Popis radova

2001

1. Č. Vadla, V. Horvatić and K. Niemax
   Oscillator strength of the strongly forbidden Pb 6p2 3P0 › 6p2 3P1 transition at 1278.9 nm
   Eur. Phys. J. D 14, 23-25(2001)

2. Beuc, H. Skenderović, T. Ban, D. Veža, G. Pichler and W. Meyer
   Cesium satellite band at 875.2 nm stemming from the Cs2 Og+(6p 2P1/2 +6s 2S1/2) state
   Eur. Phys. J. D 15, 209-214 (2001)

3. M.-L. Almazor, O. Dulieu, F. Masnou-Seeuws, R. Beuc and G. Pichler
   Formation of ultracold molecules via photoassociation with blue detuned laser light
   Eur. Phys. J. D 15, 355-363(2001)

4. T. Ban, H. Skenderović, R. Beuc, I. Krajcar Bronić, S. Rousseau, A. R. Allouche, M. Aubert-Frécon and G. Pichler

Pure long-range ion-pair Cs2 molecules
Chem. Phys. Lett. 345, 423-428 (2001)

5. G. Pichler, T. Ban, H. Skenderović and R. Beuc, S. Rousseau, A. R. Allouche and M. Aubert-Frecon
   Diffuse bands of Rb2 molecule: Detection of ultracold Rb2
   Eds. (AIP Conf. Proc.559, Spectral Line Shapes Vol. 11 page 290-292(2001)

6. T. Ban, H. Skenderović, R. Beuc, G. Pichler, I. Krajcar, S. Rousseau, A. R. Allouche and M. Aubert-Frecon
   Strange long-range satellite bands in the blue wing of Cs 455 nm line
   Eds. (AIP Conf. Proc.559, Spectral Line Shapes Vol. 11 page 325-327(2001)

7. H. Skenderović, R. Beuc, T. Ban, G. Pichler, S. S. Ter-Avetisyan, S. Rousseau, A. R. Allouche and M. Aubert-Frecon
   Triplet satellite bands of KRb molecule in the far blue wings of K and Rb resonance lines
   Eds. (AIP Conf. Proc.559, Spectral Line Shapes Vol. 11 page 328-330. (2001)

8. T. Ban, H. Skenderović, S. Ter-Avetisyan and G. Pichler
   Absorption measurements in dense cesium vapor using UV-violet light emitting diode
   Applied Physics B, 72 ,337 (2001)

9. D. Azinović, S. Milošević and G. Pichler
   Resonance 2s-2p excitation of lithium in the Li-Cd system
   Journal of Physics B: Atomic, Molecular and Optical Physics, 34, 2715(2001)

10. A. Knežević, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler, M. Ristic
    Degree of conversion and temperature rise during polymerization of composite resin samples with blue diodes
    Journal of Oral Rehabilitation, 28 ,586(2001)

11. T. Ban, H. Skenderović, R. Beuc, D. Veža and G. Pichler
    Cesium satellite band at 875.2 nm from the Cs2 0g+(6p 2P1/2+6s 2S1/2) state
    European Physical Journal D, 25 ,209(2001)

12. T. Ban, H. Skenderović, R. Beuc, I. Krajcar Bronić, S. Rousseau, A.R. Allouche, M. Aubert-Frécon and G. Pichler
    Pure long-range ion-pair Cs2 molecules
    Chemical Physics Letters, 345 ,423(2001)

13. M.-L. Almazor, F. Masnou-Seeuws, O. Dulieu, R. Beuc and G. Pichler
Ultracold molecules formation via intermediate long-range molecules
European Physical Journal D, 15, 355 (2001)

14. S. Krüger, G. Wernicke, W. Osten, D. Kayser, N. Demoli, H. Gruber
Fault detection and feature analysis in interferometric fringe patterns by the application of wavelet filters in convolution processors
Journal of Electronic Imaging 10 (1), 228 (2001)

15. T. Vuletić, C. Pasquier, P. Auban-Senzier, S. Tomić, D. Jérome, K. Maki and K. Bechgaard
Influence of quantum Hall effect on linear and nonlinear conductivity in the FISDW states of the organic conductor (TMTSF)2PF6
Eur. Phys. J. B 21, 53 – 60 (2001)

16. M. Pinterić, T. Vuletić, S. Tomić amd J.U. von Schütz
Complex low-frequency dielectric relaxation of the charge-density wave state in the (2,5(OCH3)2DCNQI)2Li
Eur. Phys. J. B 22, 335 – 341(2001)

17. I. Kokanović, B. Leontić, J. Lukatela
Magnetic susceptibility of (Zr80Fe20)1-xHx metallic glasses
Journal of Magnetism and Magnetic Materials. 236, 42-48 (2001)

18. M. Očko, Đ. Drobac, B. Buschinger, C. Geibel, F. Steglich
Transport properties of CexLa1-xCu2.05Si2 heavy fermion alloy system
Physical Review B. 64 ,195106(2001)

19. M. Očko, Đ. Drobac, J.L. Sarrao, Z. Fisk
Thermopower of the YbIn1-xAgxCu4 alloys (x<= 0.275)
Physical Review B. 64 ,085103(2001)

20. Kokanović, B. Leontić, J. Lukatela
Magnetic susceptibility of (Zr80Co20)1-xHx metallic glasses
Fizika A 10 ,113-120(2001)

21. E. Babić, Đ. Miljanić, K. Zadro, I. Kušević, Ž. Marohnić, Đ. Drobac, X.L. Wang, S.X. Dou
Enhancement of flux pinning in neutron irradiated MgB2 superconductor
Fizika A 10 , 86-94 (2001)

22. Aviani, M. Miljak, V. Zlatic, K.D. Schotte, C. Geibel and F. Steglich
Kondo effect in CexLa1-xCu2Si2 intermetallics
Phys. Rev. B 64 ,184438 (2001)

23. J. K. Freericks and V. Zlatić
Thermal transport in the Falicov-Kimball model
Phys. Rev. B 64 , 245118 (2001)

24. V. Zlatić, J. K. Freericks, R. Lemanski, and G. Czycholl
Exact solution of the multi-component Falicov-Kimball model in infinite dimensions
Phil. Mag. B 81 , 1443 (2001)

25. V. Zlatić and J. K. Freericks
Theory of valence transition in Ytterbium and Europium intermetallics
Acta Phys. Pol. 32 , 647(2001)

26. J. K. Freericks and V. Zlatić
Gap ratio in anharmonic charge-density-wave systems
Phys. Rev. 64 , 073109(2001)

27. V. Zlatić, B. Horvatić, B. Dolički, S. Grabowski, P. Entel and K. D. Schotte
Perturbation expansion for the two-dimensional Hubbard model
Phys. Rev. B 63 ,035104(2001)

28. M. Očko, Đ. Drobac, J.L. Sarrao, Z. Fisk
Thermopower of the YbIn1-xAgxCu4 alloy system (x? 0.25)
Phys.Rev.B 64 , 085103-1-5(2001)

29. M. Očko, Đ. Drobac, C. Geibel, F. Steglich
Transport properties of the CexLa1- xCu2.05Si2 heavy fermion alloy system
Phys.Rev.B 64 ,195106-1-10 (2001)

30. M. Očko, C. Geibel, F. Steglich
Transport properties of the CexYxCu2.05Si2 heavy fermion alloy system
Phys.Rev.B 64 , 195107-1-7 (2001)

31. M. Amara, I. Aviani, S. E. Luca, D. Dufeu, P. Lethuillier, and R. M. Galera
Dilatometric study of spontaneous magnetostriction in NdMg antiferromagnet
J. Magn. Magn. Mater 226 , 1005 (2001)

32. A. Zorko, D. Arčon, K. Biljaković, C. Carcel, J. M. Fabre, and J. Dolinšek
Spin-Peierls fluctuations in (TMTTF)2Br studied by pulsed electron spin resonance spin-lattice relaxation
Phys. Rev. B 64, 172404 (2001)

33. D. Starešinić, A. Borovac, K. Biljaković, H. Berger, F. Levy and J.W. Brill
Effects of charge-density-wave depinning on the low frequency shear compliance of NbSe3
Eur. Phys. J. B 24, 425(2001)

34. J.Odin, JC. Lasjaunias, K. Biljaković, K. Hasselbach, P. Monceau
Low temperature specific heat of blue bronze K0.3MoO3
Eur. Phys. J. B 24, 315(2001)

35. A. Bilušić, Ž. Budrović, A. Smontara
Thermal conductivity of icosahedral i- Al72Pd19.5Mn8.5 quasicrystal
Fizika A 10 , 121-128(2001)

36. M. Kralj, A. Šiber, P. Pervan, M. Milun, T. Valla, P.D. Johnson and D.P. Woodruff
Temperature dependence of photoemission from quantum-well states in Ag/V(100): moving surface-vacuum barrier effects
Phys. Rev. B 64 , 085411 (9) (2001)

37. B. Gumhalter
Single and multiphonon atom-surface scattering in the quantum regime
Physics Reports 351, 1-159(2001)

38. A. Šiber, B. Gumhalter, A.P. Graham and J.P. Toennies
A He atom scattering and theoretical study of the surface phonons of a simple benchmark system: Xe(111)
Phys. Rev. B63(14) , 115411 (2001)

39. K. Uzelac, Z. Glumac and A. Aničić
Critical behaviour of the long-range Ising chain from largest-cluster probability distribution
Phys. Rev. E 63 , 037101 (2001)

40. E. Tutiš, M. N. Bussac, B. Masenelli, M. Carrard, and L. Zuppiroli
Numerical model for organic light-emitting diodes
J. Appl. Phys. 89 , 430-439(2001)

2002.

Redovni radovi u CC časopisima:

1. K. Kunze, M. Miclea, G. Musa, J. Franzke, C. Vadla and K. Niemax
   Diode laser-aided diagnostics of a low-pressure dielectric barrier discharge applied in element-selective detection of molecular species
   Spectrochim. Acta B 57 , 137-146 (2002)

2. C. M. Dion, O. Dulieu, D. Comparat, W. de Souza Melo, N. Vanhaecke, P. Pillet, R. Beuc, S. Milošević, and G. Pichler
   Photoionization and detection of ultracold Cs2 molecules through diffuse bands
   European Physical Journal D 18 , 365-370 (2001)

3. H Skenderović, R Beuc, T Ban and G. Pichler
   Blue Near Resonant Satellite Bands of KRb Molecule
   European Physical Journal D 18 , 49-56(2002)

4. Z. Tarle, A. Meniga, A. Knežević, J. Šutalo, G. Pichler, M. Ristic
   Blue LED or plasma light as an alternative to conventional curing units
   Journal of Oral Rehabilitation 29 , 662-667 (2002)

5. A. Knežević, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler, M. Ristic
   Photopolymerization of composite resin with plasma light
   Journal of Oral Rehabilitation 29 , 782-786(2002)

6. H. Skenderović, T. Buckup, W. Wohlleben, M. Motzkus
   Determination of collisional line broadening coefficients with femtosecond time-resolved CARS
   J. Raman Spectroscopy 33, 866 (2002)

7. C.M. Dion, O. Dulieu, D. Comparat, W. de Souza Melo, N. Vanhaecke, P. Pillet, R. Beuc, S. Milošević, G. Pichler
   Photoionization and detection of ultracold Cs2 molecules through diffuse bands
   Europ. Phys. J. D 18 ,365-370 (2002)

8. I. Labazan and S. Milošević
   Observation of lithium dimers in laser induced plume by cavity ring-down spectroscopy
   Chem. Phys. Lett. 352 Issue 3-4 (2002)

9. C.M. Dion, O. Dulieu, D. Comparat, W. de Souza Melo, N. Vanhaecke, P. Pillet, R. Beuc, S. Milošević, and G. Pichler
   Photoionization and detection of ultracold Cs2 molecules through diffuse bands

Eur.Phys.J. D 18 , 365-370(2002)

10. H. Skenderović, R. Beuc, T. Ban, and G. Pichler
    Blue satellite bands of KRb molecule: Intermediate long-range states
    Eur.Phys.J. D 19 , 49-56 (2002)

11. N. Demoli, J. Kamps, S. Krüger, H. Gruber, G. Wernicke
    Recognition of cuneiform inscription signs by use of a hybrid-optoelectronic correlator device
    Applied Optics 41 , 4762-4774. (2002)

12. G. Wernicke, S. Krüger, F. Kallmeyer, W. Osten, D. Kayser, N. Demoli, H. Gruber,
    Anwendung von Wavelet-Filtern in einem optischen Prozessor zur automatischen Fehlererkennung in Interferogrammen
    Technisches Messen 69 , 236-239(2002).

13. J. Gladić, Z. Vučić, D. Lovrić
    Critical behaviour of the curved region near 111-facet edge of equilibrium shape cuprous selenide large single crystals
    Journal of Crystal Growth 242 , 517-532(2002)

14. Z. Glumac, K. Uzelac
    Complex-q zeros of the partition function of the ferromagnetic Potts model with long-range interactions
    Physica A310 , 91-108 (2002)

15. Osor S. Barišić
    Variational study of the Holstein polaron
    Phys. Rev. B 65 , 144301 (2002)

16. K. Uzelac and Z. Glumac
    The critical behavior of the long-range Potts chain from the largest-cluster probability distribution
    Physica A314 , 447-452(2002).

17. Y.Hirai, I.Živković, B.H.Frazer, A.Reginelli, L.Perfetti, D.Ariosa, G.Margaritondo, M.Prester, D.Drobac, D.T.Yiang, Y.Hu, T.K.Sham, I.Felner, M.Pederson, and M.Onellion
    Magnetic interactions and electronic states in superconducting and nonsuperconducting Ruthenocuprates
    Phys.Rev. B 65, 054417(2002)

18. I.Živković, Y.Hirai, B.H.Frazer, M.Prester, D.Drobac, D.Ariosa, H.Berger, D.Pavuna, G.Margaritondo, I.Felner, and M.Onellion
    Ruthenocuprates RuSr2 (Eu,Ce)2Cu2O10-y: Intrinsic magnetic multilayers

Phys.Rev. B 65 , 144420 (2002)

19. M.Pintarić, S.Tomić, M.Prester, Đ.Drobac and K.Maki
Influence of internal disorder on the superconducting state in the organic layered superconductor ?-(BEDTTTF) 2Cu?N(CN)2?Br
Phys.Rev.B 66 , 174521 (2002)

20. I.Živković, D.Drobac, D.Ariosa, H.Berger, D.Pavuna and M.Prester
Superconducting transition in ruthenocuprate RuSr2GdCu2O8 viewed from the studies of the imaginary part of ac susceptibility
Europhys.Lett. 60 , 917-923 (2002)

21. I.Kušević, Ž.Marohnić, E.Babić, Đ.Drobac, X.L.Wang and S.X.Dou
Flux pinning and critical currents in polycrystalline MgB2
Solid State Commun. 122 , 347-350 (2002)

22. I. Bakonyi, E. Babić, M. Miljak, R. Luck, J. Bahle, R. Hasegawa, J. Kollar
Magnetic properties of amorphous, crystalline, and liquid Ni-B alloys
Physical Review B. 65, 104423 (2002)

23. U. V. Desnica, P. Dubček, I. D. Desnica-Franković, M. Buljan, K. Salamon, O. Milat, S. Bernstorff and C. W. White
GISAXS studies of morphology and size distribution of CdS nanocrystals formed in SiO2 by ion implantation
Nuclear Instruments & Methods in Physics B 200, 191-195 (2003)

24. Dubček P, Radić N, Milat O, Bernstorff S.
Grazing incidence small angle X-ray scattering investigation of tungsten-carbon films produced by reactive magnetron sputtering
Surface & Coatings Technology 151-152, 218-21(2002)

25. P.Dubček, S.Bernstorff, U.V.Desnica, I.D.Desnica-Franković, K.Salamon
GISAXS study of cadmium sulfide quantum dots
Surface Review and Letters 9, 455-459 (2002)

26. M. Saint-Paul, J. C. Lasjaunias, A. Bilušić, A. Smontara, S. Gradečak, A. Tonejc, A. M. Tonejc and N. Kitamura
Acoustic and thermal transport properties of hard carbon formed from C60 fullerene
Phys. Rev. B 66 ,014302-1 - 0143021-1 (2002)

27. J. Dolinšek, M. Klanjšek, Z. Jagličić, A. Bilušić and A. Smontara
Origin of the maximum in the temperature-dependent electrical resistivity of quasicrystals
J. Phys.: Cond. Matter 14 , 6975-6988(2002).

28. D. Starešinić, K. Biljaković, Brütting, K. Hosseini, P. Monceau, H. Berger and F. Levy,
    Wide temperature range dielectric response of the charge density wave system TaS3
    Phys. Rev. B 65, 165109/1-11 (2002)

29. J. C. Lasjaunias, J. P. Brison, P. Monceau, D. Starešinić, K. Biljaković, C. Carcel and J. M. Fabre
    Low-temperature thermodynamic investigation of the sulphur organic salts (TMTTF)2PF6 and (TMTTF)2Br: I. General aspects
    J. Phys.: Condens. Matter 14, 837-847 (2002)

30. K. Biljaković, M. Kozlov, D Starešinić and M. Saint-Paul
    The amorphous nature of C60 hard carbon manifested in its specific heat, sound velocity and heat conduction
    J. Phys.:Condens. Matter 14, 6403-6412 (2002)

31. J. C. Lasjaunias, P. Monceau, D. Starešinić and K. Biljaković
    Reply to Comment on "Low temperature specific heat of blue bronze K0.30MoO3" by J. E. Lorenzo and H. Requardt
    Eur. Phys. J. B 28, 187-190(2002)

32. J. C. Lasjaunias, P. Monceau, D. Starešinić, K. Biljaković, C. Carcel and J. M. Fabre
    Lowtemperature thermodynamic investigation of the sulphur organic salts (TMTTF)2PF6 and (TMTTF)2Br: II. Dynamical aspects
    J. Phys.: Condens. Matter 14, 8583-8594(2002)

33. D. Starešinić, A. Kiš, K. Biljaković, B. Emerling, J. W. Brill, J. Souletie, H. Berger and F. Lévy
    Specific heats of the charge density wave compounds o-TaS3 and (TaSe4)2I
    Eur. Phys. J. B 29, 71-77(2002)

34. J. C. Lasjaunias, K. Biljaković, Z. Benes, J. E. Fischer, P. Monceau
    Low temperature specific heat of single-wall carbon nanotubes
    Phys. Rev. B 65, 113409/1-4(2002)

35. R. Melin, K. Biljaković, J. C. Lasjaunias and P. Monceau
    Slow relaxation experiments in disordered density wave systems: collective dynamics of randomly distributed solitons
    Eur. Phys. J. B 26, 417-430 (2002)

36. B. Korin-Hamzić, M. Basletić and K. Maki
    Unconventional Spin Density Wave in (TMTSF)2PF6 below T = 4.2 K
    Int.J.Mod.Phys. B 16, 1709 – 1712(2002).

37. M. Basletić, B. Korin-Hamzić and K. Maki
    Unconventional Spin Density Wave in (TMTSF)2PF6 below T* = 4.2 K
    Phys.Rev B 65, 235117 (1-7) (2002).

38. B. Korin-Hamzić, M. Basletić and K. Maki
    Magnetoresistance in the SDW state of (TMTSF)2PF6 above T* = 4 K; Novel effect due to the Landau quantization
    Europhys.Lett. 59 , 298 - 304(2002).

39. B.Dóra, K.Maki, B. Korin-Hamzić, M.Basletić, A. Virosztek, M.Kartsovnik and H.Müller
    The Angular Dependent Magnetoresistance in _–(BEDT-TTF)2KHg(SCN)4
    Europhys.Lett. 60 , 737-742(2002).

40. T.Vuletić, P.Auban-Senzier, C.Pasquier, S.Tomić, D. Jérome, M.Heritier and K.Bechgaard
    Coexistence of superconductivity and spin density wave orderings in the organic superconductor (TMTSF)2PF6
    Eur. Phys. J B 25 , 319-331(2002).

41. B.Gorshunov, P.Haas, T.Rôôm, M.Dressel, T.Vuletić, B.Korin-Hamzić, S.Tomić, J.Akimitsu and T.Nagata
    Charge-density wave formation in Sr14Cu24O41
    Phys.Rev.B 66 , 060508 (R) - (1-4) (2002).

42. M.Pinterić, S.Tomić, M.Prester, Đ.Drobac and K.Maki
    Influence of internal disorder on the superconducting state in the organic layered superconductor ?-(BEDTTTF) 2Cu[N(CN)2]Br
    Phys.Rev.B66 ,174521- (1-12) (2002).

43. K. Maki, B. Dóra, B. Korin-Hamzić, M. Basletić, A. Virosztek and M. V. Kartsovnik
    Brave New World of Unconventional Density Waves
    J.de Physique IV France 12, PR9- (211-214) (2002).

44. S.Tomić, T.Vuletić, M.Pinterić and B.Korin-Hamzić
    Modalities od self-organized charge response in low dimensional systems
    J.de Physique IV France 12 , PR9-(211-214) (2002).

45. C.Pasquier, P.Auban-senzier, T.Vuletić, S.Tomić, M.Héritier and D.Jérome
    Coexistence of superconductivity and spin density wave orderings in Bechgaard and Fabre salts
    J.de Physique IV France 12 , PR9-(197-200) (2002).

46. C. Becker, A Rosenhahn, A Wiltner, K von Bergmann, J Schneider, P Pervan, M Milun, M Kralj and K Wandelt
    Al2O3-films on Ni3Al(111): a template for nanostructured cluster growth

New J. Phys. 4 , 75.1 – 75.15 (2002)

47. M. Milun, P. Pervan, D.P. Woodruff
Quantum Well Structures in Metal Films: Simple Model Physics in Reality?
Rep. Prog. Phys. 65 , 99-141 (2002)

48. A. Šiber and B. Gumhalter
Zone edge focused two-phonon processes in He atom scattering from a simple prototype system: Xe(111)
Surf. Sci. 502-503 , 422-428 (2002)

49. A. Šiber, B. Gumhalter and Ch. Woll
Kinematic effects in the Debye-Waller factors and sticking probabilities in low-energy atom-surface scattering
J. Phys.: Condens. Matter 14 , 5913-5932 (2002)

50. A. Šiber and H. Buljan
Quantum states and specific heat of low-density He gas adsorbed within the carbon nanotube interstitial channels: Band structure effects and potential dependence
Phys. Rev. B 66 , 075415 (2002)

51. A.Šiber
Adsorption of He atoms in external grooves of single wall carbon nanotube bundles
Phys. Rev. B 66 , 205406 (2002)

52. A. Šiber
Phonons and specific heat of linear dense phases of atoms physisorbed in the grooves of carbon nanotube bundles
Phys. Rev. B 66 , 235414 (2002)

53. B. Gumhalter
Transient interactions and coherent motion of optically excited electron-hole pairs in the image potential states at metal surfaces
Surf. Sci. 518 , 81-103 (2002)

54. H. Buljan, A. Šiber, M. Solja_i_ and M. Segev
Propagation of incoherent ''white'' light and modulation instability in non-instantaneous nonlinear Media
Phys. Rev. E 66 ,035601(R) (2002)

2003

1. Č. Vadla, V. Horvatić, K. Niemax
   Radiative transport and collisional transfer of excitation energy in Cs vapors mixed with Ar or He
   Spectrochimica Acta Part B 58, 1235-1277 (2003)

2. D. Aumiler, T. Ban, R. Beuc and G. Pichler
   Simultaneous temperature and density determination of rubidium vapor
   Applied Physics B 76 ,859 - 867 (2003)

3. V. Margetić, T. Ban, F. Leis, K. Niemax and R. Hergenröder
   Hydrodynamic expansion of a femtosecond laser produced plasma
   Spectrochimica Acta B 58, 415 (2003).

4. I. Labazan; S. Milošević
   Laser vaporized Li2, Na2, K2 and LiNa molecules observed by cavity ring-down spectroscopy
   Physical Review A. 68, 032901; 8 str. (2003)

5. I. Labazan; N. Krstulović, S. Milošević
   Observation of C2 radicals formed by laser ablation of graphite targets using cavity ring-down spectroscopy
   Journal of Physics D: Applied Physics. 36, 20; 2465 –2470(2003)

6. D. Aumiler, T. Ban, R. Beuc, and G. Pichler
   Simultaneous determination of the temperature and density of rubidium vapor
   Appl. Phys. B 76, 859-867(2003).

7. D. Lovrić, Z. Vučić, J. Gladić, N. Demoli, S. Mitrović and M. Milas
   Refined Fouriertransform method of analysis of full two-dimensional digitized interferograms
   Applied Optics 42, 1477-1484 (2003)

8. N. Demoli, D. Vukičević and M. Torzynski
   Dynamic digital holographic interferometry with three wavelengths
   Optics Express 11 , 676-774 (2003)

9. N. Demoli, J. Meštrović and I. Sović
   Subtraction digital holography
   Applied Optics 42 , 798-804 (2003)

10. D. Lovrić, Z. Vučić, J. Gladić, N. Demoli, S. Mitrović, and M. Milas
Refined Fourier – transform method of analysis of full two – dimensional digitized interferograms
Appl. Optics 42, 1477 – 1484(2003)

11. Tutiš, E., Berner, D. Zuppiroli L.
Internal electric field and charge distribution in multilayer organic light-emitting diodes
Journal of Applied Physics. 93, 4594-4602 (2003)

12. Houili H., Tutiš E., Lutjens H. Bussac MN. Zuppiroli L.
MOLED: Simulation of multilayer organic light emitting diodes
Computer Physics Communications. 156, 108-122 (2003)

13. J. Ivkov, N. Radić, A. Tonejc, T. Car,
Structural relaxation of Al-W amorphous thin films
Jour. of Non-Cryst. Solids. 319 , 232-240 (2003)

14. M.Očko, D.Drobac, J-G Park, Z.Samardžija and K.Zadro
Investigation of the spin glass transition in a low U doped YRu2Si2 sample
J.Phys.Condens.Matter 15, 4613 (1-8) (2003)

15. M.Očko, J.L.Sarrao, I.Aviani, D.Drobac, I.Živković, and M.Prester
Anomalous properties of the YbxIY1-xInCu4 alloy system
Phys.Rev. B 68 , 075102 (1-7) (2003)

16. S.Sabolek, E.Babić, S.Popović, Ž.Marohnić
Effects of etching on the soft magnetic properties of nanocrystalline Fe73.5Cu1Nb3Si15.5B7 ribbon
Journal of Magnetism & Magnetic Materials 261 , 269 (1-7) (2003)

17. J. K. Freericks and V. Zlatić
Exact solution of the Falicov-Kimball model with dynamical mean-field theory
Review of Modern Physics 75, pp. 1333-1382 (2003)

18. J. K. Freericks and V. Zlatić
Application of the multicomponent Falicov-Kimball model to intermediate-valence materials: YbInCu(4) and EuNi(2)Si(2-x)Ge(x)
Physics Status Solidi (b) 236, pp. 265-274 (2003)

19. J. K. Freericks, D. O. Demchenko, A. V. Joura, and V. Zlatić
Optimizing thermal transport in the Falicov-Kimball model: binary alloy picture
Physical Review B68, 195120, pp. 1 - 12, (2003)

20. V. Zlatić, B. Horvatić, I. Milat, B. Coqblin, G. Czycholl and C. Grenzbach
Thermoelectric power of Cerium and Ytterbium intermetallics
Physical Review B68, 104432, pp. 1 - 11, (2003)

21. F. Simon, V.A. Atsarkin, V.V. Demidov, R. Gaal, Y. Moritomo, M. Miljak, A. Janossy, and L. Forro
Electron spin resonance and relaxation studies of double-layered manganites
Physical Review B67, 224433, pp.1-8 (2003)

22. K. Biljaković, M. Miljak, D. Starešinić, J.C. Lasjaunias, P. Monceau, H. Berger, and F. Levy
Fractional power law susceptibility and specific heat in low-temperature Insulating state of o-TaS3
Europhysics Letters. 62, pp. 554-560 (2003)

23. M. Amara, S. E. Luca, R.M. Galéra, I. Aviani , J.F. Bérar
Orbital degrees of freedom and ordering phenomena in a 4f system
J. Solid State Chem. 171 , 69-75 (2003)

24. M. Očko, J. L. Sarrao, I. Aviani, Đ. Drobac, I. Živković, M. Prester
Some anomalous properties of the YbxY1-xInCu4 alloy system
Phys. Rev. B. 68 , 075102-1-7 (2003)

25. M. Očko, J.-G.Park, Đ. Drobac, Z. Samardžija, K. Zadro
Investigations of the spin-glass transition in a U low doped YRu2Si2
J. Phys.: Condens. Matter 15 , 4613-4621 (2003)

26. M. Očko, J. L. Sarrao, N. Stubi_ar, I. Aviani, Ž. Šimek, M. Stubičar
Microhardness of the YbxY1-xInCu4 alloy system: the influence of electronic structure on hardness
J. Phys.: Condens. Matter 15 , 8719-8723 (2003)

27. B. Pivac, O. Milat, P. Dubšek, S. Bernstorff, F. Corni, C. Nobili, R. Tonini
Early stages of bubble formation in helium-implanted (100) silicon
Physica Status Solidi A-Applied Research. 198, 29-37(2003)

28. J. Dolinšek, P. Jeglić, P. McGuiness, Z. Jagličić, A. Smontara, E. Tabachnikova, V. Bengus
Magnetic and electrical investigations of Fe85-xCoxBe15 metallic glasses
Applied Physics A 78(7),1 (2003)

29. V. Sologubenko, I. L. Landau, H. R. Ott, A. Bilušić , A. Smontara, H. Berger
Unusual magnetic field-induced phase transition in the mixed state of superconducting NbSe2

Phys. Rev. Lett. 91(4), 197005 (2003)

30. S. Sahling, J. C.Lasjaunias, K. Biljaković, and P. Monceau
Magnetic field influence on the low temperature heat capacity and heat release of (TMTSF)2PF6
J. of Low Temp. Phys. 133(22), 273 (2003)

31. K. Biljaković, M. Miljak, D. Starešinić, J.C. Lasjaunias, P. Monceau, H. Berger, F. Levy
Fractional power law susceptibility and specific heat in low temperature insulating state of o-TaS3
Europhys. Lett. 62, 4; 500 (5) (2003)

32. J. C. Lasjaunias, K. Biljaković, P. Monceau, and J. L. Sauvajol
Low-energy vibrational excitations in carbon nanotubes studied by heat capacity
Nanotechnology 14(6), 998 (2003)

33. J. C. Lasjaunias, K. Biljaković, J. L. Sauvajol and P. Monceau
Evidence of 1D Behavior of He4 Confined within Carbon-Nanotube Bundles
Phys. Rev. Lett. 91(1-4); 025901 (2003)

34. J. C. Lasjaunias, S. Sahling, K. Biljaković and P. Monceau
Long-time heat release in the quasi-1D conductor (TMTSF)2PF6 at low temperatures
J. of Low Temp. Phys. 130(18), 1-2; 25 (2003)

35. T.Vuletić, B.Korin-Hamzić, S.Tomić, B.Gorshunov, P.Haas, T.Rôôm, M.Dressel, J.Akimitsu and T.Nagata
Suppression of the charge-density wave state in Sr14Cu24O41 by calcium doping
Phys.Rev.Lett.90, 257002 (1-4) (2003)

36. T.Vuletić, B.Korin-Hamzić, S.Tomić, B.Gorshunov, P.Haas, M.Dressel, J.Akimitsu, T.Sasaki and T.Nagata
Variable-range hopping conductivity in the copper-oxygen chains of La3Sr3Ca8Cu24O41
Phys.Rev.B67, 184521 (1-4) (2003)

37. M.Pinterić, T.Vuletić, M.Lončarić, K.Petukhov, B.Gorshunov, J.U.von Schütz, S.Tomić and M.Dressel
Mott-Peierls phase in deuterated copper-DCNQI systems: a comprehensive study of longitudinal and transverse conductivity and aging effects
J.of Physics, Condensed Matter 15, 7351-7364 (2003)

38. B.Korin-Hamzić, E.Tafra, M.Basletić, A.Hamzić, G.Untereiner and M.Dressel
Conduction Anisotropy, Hall Effect and Magnetoresistance of (TMTSF)2ReO4 at High

Temperature
Phys.Rev.B 67, 014513 (2003)

39. K. Maki, B.Dóra, M.Kartsovnik, A.Virosztek, B.Korin-Hamzić, M.Basletić
Unconventional charge-density wave in the organic conductor _-(BEDT-TTF)2KHg(SCN)4
Phys. Rev. Lett 90, 256402 (2003)

40. M. Kralj, P. Pervan, M. Milun, K. Wandelt, D. Mandrino, M. Jenko
HRAES, STM and ARUPS study of (5?1) reconstructed V(100) surface
Surface Sci. 526, 166-176 (2003)

41. M. Kralj, P. Pervan, M. Milun, P. Lazi_, Ž. Crljen, R. Brako, J. Schneider, A. Rosenhahn and K. Wandelt
Tetragonal silver films on V(100): experimental and ab initio studies
Phys. Rev. B 68, 195402 (8) (2003)

42. M.Kralj, P.Pervan, M.Milun, T.Valla, P.D.Johnson, D.P. Woodruff
d-quantum well states in ultra thin silver films on V(100)
Phys. Rev. B 68(8) , 245413 (2003)

43. A. Šiber and B. Gumhalter
Linear versus nonlinear coupling effects in single-and multiphonon atom-surface scattering
Phys. Rev. Lett. 90,126103-1-126103- 4(2003)

44. C.Boas, M. Kunat, U. Burghaus, B. Gumhalter and C. Wöll
Determination of the lateral Xe-Xe potential in a single xenon layer adsorbed on Cu(110) from surface phonon dispersion measurements
Phys. Rev. B 68, 075403(2003)

45. A. Šiber and B. Gumhalter
Diffraction of He atoms from Xe monolayer adsorbed on the graphite (0001) revisited: the importance of multiple scattering processes
Surf. Sci. 529, L269-L274(2003)

46. A. Šiber and B. Gumhalter
Interactions of He atoms with Xe plated graphite: unified treatment of scattering and adsorbate dynamics based on method of coupled channels
Prog. Surf. Sci. 74,375-388(2003)

47. A. Šiber
Quantum virial expansion approach to thermodynamics of He-4 adsorbates in carbon nanotube materials: Interacting Bose gas in one dimension

Phys. Rev. B 67, 165426(2003)

48. M.T. Cvitaš and A. Šiber
    Vibrations of a chain of Xe atoms in a groove in a carbon nanotube bundle
    Phys. Rev. B 67,193401(2003)

49. A. Šiber
    Coating carbon nanotubes: Geometry of incommensurate long-range-ordered physisorbed monolayers
    Phys. Rev. B 68, 033406(2003)

50. H. Buljan, A. Šiber, M. Soljačić, T. Schwartz, M. Segev and D.N. Christodoulides
    Incoherent white light solitons in logarithmically saturable noninstantaneous nonlinear media
    Phys. Rev. E 68, 036607 Part 2(2003)

2004

1. N. Demoli, A. Knežević, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler
Digital interferometry for measuring of the resin composite thickness variations during blue light Polymerization
Opt. Commun. 231, 45 (2004)

2. M. Pichler, W. C. Stwalley, R. Beuc and G. Pichler
Formation of ultracold Cs2 molecules through the double minimum Cs_2 $3\ ^1?_u^+$ state
Phys. Rev. A 69, 013403 (2004)

3. T. Ban, D. Aumiler, R. Beuc, G. Pichler
Rb_2 diffuse band emission excited by diode lasers
Eur. Phys. J. D 30, 57 (2004)

4. T. Ban, R. Beuc, H. Skenderović and G. Pichler
Rubidium pure long-range ion-pair molecules
EPL 66, 485 (2004)

5. D. Aumiler, T. Ban, G. Pichler
High-resolution measurements of the pressure broadening and shift of the rubidium $5S_{1/2}$ – $6P_{3/2}$ line by argon and helium,
Phys.Rev.A 70, 032723 (2004).

6. T. Hornung, H. Skenderović, K.-L. Kompa, M. Motzkus
Prospect of temperature determination using degenerate four-wave mixing with sub-20 fs pulses
J. Raman Spectrosc. 35, 934 (2004)

7. B. Lavorel, H. Tran, E. Hertz, O. Faucher, P. Joubert, M. Motzkus, T. Buckup, T. Lang, H. Skenderović, G. Knopp, P. Beaud, H. M. Frey
Femtosecond Raman timeresolved molecular spectroscopy
C. R. Phys. 5, 215 (2004)

8. V. Margetić, T. Ban, O. Šamek, F. Leis, K. Niemax and R. Hergenroder
Shock-wave velocity of a femtosecond-laser-produced plasma
Czech. J. Phys. 54, 5493C (2004).

9. I. Labazan and S. Milošević
Determination of electron density in laser induced lithium plume using cavity ring-down spectroscopy
J. Phys. D-Appl. Phys. 37, 2975 (2004)

10. I. Labazan, E. Vrbanek, S. Milošević, R. Düren
Laser ablation of lithium and lithium cadmium alloy studied by time-of-flight mass spectrometry.
Appl. Phys. A-Mater. Sci. Process. 80, 569 (2005).

11. N. Demoli, D. Vukičević
Detection of hidden stationary deformations of vibrating surfaces by use of time-averaged digital holographic interferometry
Opt. Lett. 29, 2423 (2004).

12. N. Demoli, K. Šariri, Z. Stanić, V. Maštruko, O. Milat
Toolmarks identification using SEM images in an optoelectronic correlator device
Optik 115, 487 (2004).

13. N. Demoli, A. Knežević, Z. Tarle, A. Meniga, J. Šutalo and G. Pichler
Digital interferometry for measuring of the resin composite thickness variation during blue light polymerization
Opt. Commun. 231, 45 (2004).

14. G. Wernicke, S. Krüger, J. Kamps, H. Gruber, N. Demoli, M. Dürr, S. Teiwes
Application of a Liquid Crystal Display Spatial Light Modulator System as Dynamic Diffractive Element and in Optical Image Processing
J. Opt.Commun. 25, 141 (2004).

15. Z. Vučić, D. Lovrić, J. Gladić, B. Etlinger
Copper and silver selenide crystal growth rate measurements as a method for determination of ionic conductivity
J. Cryst. Growth 263, 590 (2004)

16. O.S. Barišić
Calculation of excited polaron states in the Holstein model,
Phys. Rev. B 69, 064302 (2004)

17. D. Berner, F. Nuesch, E. Tutiš, C. Ma, X. Wang, B. Zhang, L. Zuppiroli
Splitting of the recombination zone in organic light emitting diodes by dye doping
J. Appl. Phys. 95, 3749 (2004)

18. E. Tutiš, I. Batistić, D. Berner
Injection and strong current channeling in organic disordered media
Phys. Rev. B 70, 161202 (2004)

19. I. Kokanović, B. Leontić, J. Lukatela
Transport properties of hydrogen-doped ($Zr_80_3d_{20}$)1-XHX (3d = Co, Ni) metallic glasses
Phys. Status Solidi B-Basic Solid State Phys. 241, 908 (2004)

20. J. Ivkov, N. Radić, A. Tonejc
Hall effect in Al-W thin films
Solid State Commun. 129, 369 (2004)

21. T. Car, N. Radić, J. Ivkov, A. Tonejc
Resistivity models of the phase-transformation of amorphous Al78W22 thin films under isothermal and isochronal conditions
Appl. Phys. A-Mater. Sci. Process. 80, 1087 (2004)

22. M. Prester, A. Smontara, I. Živković, A. Bilušić, Đ. Drobac, H. Berger, F. Bussy
Ground state order and spin-lattice coupling in tetrahedral spin systems $Cu_2Te_2O_5X_2$
Phys.Rev. B 69, 180401(R) (2004)

23. M. Očko, I. Živković, M. Prester, H. Berger, D. Ariosa, D. Pavuna
Consistent behaviour of ac susceptibility and transport properties in magnetic superconductor $RuSr_2GdCu_2O_8$
J. Magn. Magn.Mater. 269, 231 (2004)

24. M. Očko, J. L. Sarrao, Ž. Šimek
Thermopower of the $YbAg_yIn_{1-y}Cu_4$ alloy system: What does minimum in the $YbAg_xIn_{1-x}Cu_4$ alloy system reflect?
J. Magn. Magn. Mater. 284, 43 (2004)

25. M. Stubičar, M. Očko, N. Stubičar
Microhardness study of some novel compounds and alloys
J. Mater.Sci. 39, 1 (2004)

26. P. Dubček, B. Pivac, O. Milat, S. Bernstorff, I. Zulim
Study of structural changes in Krypton implanted silicon
Nucl. Instrum. Methods Phys. Res. Sect. B-Beam Interact. Mater. Atoms. 215, 122 (2004)

27. N. Demoli, K. Šariri, Z. Stanić, V. Maštruko, O. Milat
Toolmarks identification using SEM images in an optoelectronic correlator device
Optik 115, 487 (2004)

28. J. Dolinšek, P. Jeglič, P. McGuiness, Z. Jagličić, A. Smontara, E. Tabachnikova, V. Bengus
Magnetic and electrical investigations of $Fe_{85-x}Co_xBe_{15}$ metallic glasses
Appl. Phys. A-Mater. Sci. Process. 79, 1947 (2004)

29. D. Starešinić, K. Hosseini, W. Bruetting, , K. Biljaković, E.Riedel, S van Smaalen
Glass transition and secondary relaxation in the charge density wave system $K_{0.3}MoO_3$
Phys. Rev. B 69, 113102 (2004)

30. J. Dumas, J.C.Lasjaunias, K.Biljaković, M.Miljak, H.Berger, F.levy
EPR study of the low temperature charge density wave state of o-TaS_3
Solid State Commun.132, 661(2004)

31. M. Basletić, B. Korin-Hamzić, A.Hamzić and K. Maki
Hall resistivity in unconventional spin density wave in $(TMTSF)_2PF_6$ below T* = 4.2 K
Synth. Met. 141, 99 (2004)

32. Marko Kralj, Milorad Milun, Petar Pervan
Surface waves on Ag/V(100)
Surf. Sci. 557, 208 (2004)

33. V. Mikšić-Trontl, M. Kralj, M. Milun and P. Pervan
Spin-orbit splitting in ultra thin Ag films on Cu(100)
Surf. Sci. 551, 125 (2004)

34. W. Brenig, B. Gumhalter
Inelastic atom-surface scattering by phonons: A comparison of different approaches
J. Phys. Chem. B 108, 14549 (2004)

35. F. El-Shaer, B. Gumhalter
Entangled and disentangled decoherence of intermediate electron-hole pairs in twophoton-photoemission from surface bands: beyond the adiabatic approximation
Phys. Rev. Lett. 93, 236804 (2004)

36. B. Gumhalter, T. Matsushima
Energy dissipation during desorption of reaction products: the role of substrate phonons.
Surf. Sci. 561, 183 (2004)

37. D. Sunko, B. Gumhalter
Perturbations of the excited quantum oscillator: From number states to statistical distributions.
Am. J. Phys. 72, 231 (2004)

38. A. Šiber
Vibrations of closed-shell Lennard-Jones icosahedral and cuboctahedral clusters and their effect on the cluster ground-state energy

Phys. Rev. B 70, 075407 (2004)

39. A. Šiber
Reply to "Comment on 'Quantum virial expansion approach to thermodynamics of ^{4}He adsorbates in carbon nanotube materials: Interacting Bose gas in one dimension'"
Phys. Rev. B 70, 016502 (2004)

40. I.L. Landau, H.R. Ott, A. Bilušić A, A. Smontara, H. Berger
Temperature dependencies of the upper critical field and the Ginzburg-Landau parameter for single-crystalline $NbSe_2$
J. Magn. Magn. Mater 272-276, 1095 (2004)

41. A. Fioretti, M. Fazzi, M. Mazzon, T. Ban, C. Gabbanini
Ultra-cold molecules
Phys. Scr. T112, 13 (2004)

42. M. Pinterič, S. Tomić, K. Maki
Gossamer superconductivity in kappa-$(BEDT\text{-}TTF)_{(2)}X$?
Physica C 408, 75 (2004)

43. J.C. Lasjaunias, S. Sahling, K. Bijakovicć, P. Monceau
Unusual magnetic field-induced transition in the low temperature (T < 1 K) SDW ground state of $(TMTSF)_{(2)}PF_6$
J. Phys. IV 114, 113 (2004)

44. B. Korin-Hamzić, E. Tafra, M. Basletić, A. Hamzić, L.K. Montgomery, M. Dressel
Hall effect in the normal phase of the organic conductors: $(TMTSF)_{(2)}ReO_4$ vs. $(TMTTF)_{(2)}AsF_6$
J. Phys. IV 114, 73 (2004)

45- M. Radić, A. Tonejc, J. Ivkov, P. Dubček, S. Bernstorff, Z. Medunić
Sputter-deposited amorphous-like tungsten
Surf. Coat. Technol. 180, 66 (2004)

2005

1. T. L. Corell, V. Horvatić, N. Omenetto, C. Vadla, J. D. Winefordner
Quantum efficiency improvement of a cesium based resonance fluorescence detector by helium-induced colisional excitation energy transfer
Spectroc. Acta Pt. B-Atom. Spectr. 60, 765 (2005)

2. D. Aumiler, T. Ban, H. Skenderović, G. Pichler
Velocity selective optical pumping of Rb hyperfine lines induced by a train of femtosecond pulses
Phys. Rev. Lett. 95, 233001 (2005)

3. S. Vdović, R. Beuc, D. Aumiler, T. Ban, G. Pichler
Absorption spectrum of Na-K-He mixture: experiment and theory
J. Phys. B-At. Mol. Opt. Phys. 38, 3107 (2005).

4. D. Aumiler, T. Ban, G. Pichler
Femtosecond laser-induced cone emission in dense cesium vapor
Phys. Rev. A 71, 063803 (2005)

5. T. Ban, D. Aumiler, G. Pichler
Rubidium dimer destruction by a diode laser
Phys. Rev. A 71, 022711 (2005)

5. T. Hornung, H. Skenderović, M. Motzkus
Observation of all-trans-beta-carotene wavepacket motion on the electronic ground and excited dark state using degenerate four-wave mixing (DFWM) and pump-DFWM
Chem. Phys. Lett. 402, 283 (2005)

6. A. Knežević, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler
Influence of light intensity from different curing units upon composite temperature rise
J. Oral Rehabil. 32, 362 (2005)

7. A. Knežević, N. Demoli, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler
Measurement of Linear Polymerization Contraction Using Digital Laser Interferometry
Oper. Dent. 30, 346 (2005)

8. I. Labazan; E. Reinhold; W. Ubachs; VV. Flambaum
Wavelength calibration of the CI line at 94.5 nm for comparison with quasar data
Phys. Rev. A 71, 040501 (2005)

9. S. Vdović, R. Beuc, D. Aumiler, T. Ban, and G. Pichler
Absorption spectrum of NaKHe mixture: experiment and theory
J. Phys. B-At. Mol. Opt. Phys. 38, 3107 (2005)

10. N. Demoli, I. Demoli
Dynamic modal characterization of musical instruments using digital holography
Opt. Express 13, 4812 (2005)

11. N. Demoli, I. Demoli
Measuring surface vibrations of musical instruments using an inexpensive digital holography device
Opt. Eng. 44, 090502 (2005)

12. Z. Vučić and J. Gladić

Phase retrieval errors in standrd Fourier fringe analysis of digitally sampled model interferograms
Appl.Optics 44, 6940 (2005)

13. F. Nüesch, D. Berner, E. Tutiš, M. Schaer, C. Ma, X. Wang; B. Zhang, L. Zuppiroli
Doping-Induced Charge Trapping in Organic Light-Emitting Devices
Adv. Funct. Mater. 15, 175 (2005)

14. T. Car, N. Radić, J. Ivkov, A. Tonejc
Resistivity models of the phase-transformation of amorphous $Al_{78}W_{22}$ thin films under isothermal and isochronal conditions
Appl. Phys. A-Mater. Sci. Process. 80, 1087 (2005)

15. M. Herak, H. Berger, M. Prester, M. Miljak, I. Živković, O. Milat, Đ. Drobac, S. Popović, O. Zaharko
Novel spin lattice in Cu_3TeO_6: an antiferromagnetic order and domain dynamics
J. Phys-Condes. Matter 17, 7667 (2005.)

16. I. Živković, Đ. Drobac, M. Prester
Time relaxation of ac susceptibility on very short time scales
Rev. Sci. Instrum. 76, 096101 (2005)

17. J. K. Freericks, V. M. Turkowski, and V. Zlatić
F-electron spectral function of the Falicov-Kimball model in infinite dimensions: the half-filled case
Phys.Revi. B 71, 115111 (2005)

18. H. Wilhelm, D. Jaccard, V. Zlatic, R. Monnier, B. Delley, B. Coqblin
High-pressure transport properties of $CeRu_2Ge_2$
J. Phys.-Condes. Matter 17, S823 (2005)

19. V. Zlatić and R. Monnier
Theory of the thermoelectricity of intermetallic compounds with Ce or Yb ions
Phys. Re. B 71, 165109 (2005)

20. M. Miljak, M. Herak, M. Revcolevschi, A. Dhalenne G.
Anisotropic spin-Peierls state in the inorganic compound $CuGeO_3$
EPL 70, 369(2005)

21. M. Očko, J. L. Sarrao, N. Stubičar, I. Aviani, Ž. Šimek, M. Stubičar
Microhardness of the YbAgxIn1-xCu4 alloy system
J. Mater. Sci. 40 (2005) 4181-4183

22. M. Stubičar, M. Očko, J.L. Sarrao, N. Stubičar, Ž. Šimek

Influence of the electronic structure on plastic properties of the single crystal $Yb_xY_{1-x}InCu_4$ and $Yb_xY_{1-x}InCu_4$ systems
Croat. Chem. Acta 78, 627 (2005)

23. U.V, Desnica., P.Dubček, K. Salamon, I.D. Desnica-Franković., M. Buljan, S. Bernstoff, U. Serincan, Reactant .Turan
The evolution of the morphology of Ge nanocrystals formed by ion implantation in SiO_2
Nucl. Instrum. Methods Phys. Res. Sect. B-Beam Interact. Mater. Atoms. 238, 272 (2005)

24. A. Smontara, A. Bilušić, Z. Jagličić, A. Zorko, J. Dolinšek, H. Berger
Anomalous thermal conductivity of single crystal $Cu_2Te_2O_5Cl_2$
Appl. Magn. Reson. 29, 261 (2005)

25. J. Dolinšek, P. Jeglič, P. McGuiness, Z. Jagličić, A. Bilušić, Ž. Bihar, A. Smontara,C. Landauro, M. Feuerbacher, B. Grushko, K. Urban.
Magnetic, electrical, thermal transport, and thermoelectric properties of the ?' and ? complex metallic alloy phases in the Al-Pd-Mn system
Phys. Rev. B. 72, 064208 (2005)

26. J.C. Lasjaunias, S. Sahling, K. Biljaković, P. Monceau, J. Marcus
Magnetic field influence on the low temperature heat capacity of the CDW compound blue bronze $Rb_{0.3}MoO_3$
J. Magn. Magn. Mater. 290, 989 (2005)

27. R. Melin, K. Biljaković, J.C. Lasjaunias
Energy relaxation in disordered charge and spin density waves
Eur. Phys. J. B 43, 489 (2005)

28. J. C. Lasjaunias, R. Melin, D. Starešinić, K. Biljaković, J. Soulietie
Bimodal energy relaxations in quasi-one-dimensional systems
Phys. Rev. Lett. 94, 245701 (2005)

29. B. Podobnik, P. Ivanov, K. Biljaković, D. Horvatić, E.H. Stanley, I. Grosse
Fractionally integrated process with power-law correlations in variables and magnitudes
Phys. Rev. E 72, 026121 (2005)

30. T. Vuletić, T. Ivek, B. Korin-Hamzić, S. Tomić, B. Gorshunov, P. Haas, M. Dressel, J. Akimitsu, T. Sasaki and T. Nagata
Anisotropic Charge Modulation in the Ladder Planes of $Sr_{14-x}Ca_xCu_{24}O_{41}$
Phys. Rev.B 71, 012508 (2005)

31. P. Zornoza, K. Petukhov, M. Dressel, T. Vuletić, N. Biškup and S. Tomić
Anisotropy and field-dependence of the spin-density wave dynamics in the quasi one-dimensional conductor $TMTSF_2PF_6$

Eur. Phys. J. B 46, 223–230 (2005)

32. V. Mikšić Trontl, I. Pletikosić, M. Milun, P. Pervan P. Lazić, D. Šokčević, and R. Brako
Experimental and theoretical study of structural and electronic properties of subnanometer silver films on Pd(111)
Phys. Rev. B 72, 235418 (2005)

33. V. Ilakovac, M. Kralj, P. Pervan, M.C. Richter, A. Goldoni, R. Larciprete, L. Petaccia, K. Hricovini
Final-state screening dynamics in resonant Auger decay at the 2p edge of vanadium
Phys. Rev. B 71 (2005) 085413

34. S. Degen, A Krupski, M Kralj; A. Langner, C. Becker, M. Sokolowski, K..Wandelt
Determination of the coincidence lattice of an ultra thin alumina films on $Ni_3Al(111)$.
Surf. Sci. 576, L557 (2005)

35. M. Kralj
Hybridization schemes for Ag films on V(100)
Surf. Sci. 599, 150 (2005)

36. A. Šiber and B. Gumhalter:
Suppression of inelastic bound state resonance effects by the dimensionality of an atom-surface scattering event
Phys. Rev. B 71, 081401 (2005)

37. B. Gumhalter
Ultrafast dynamics and decoherence of quasiparticles in surface bands: Development of the formalism
Phys. Rev. B 72, 165406 (2005)

38. P. Lazić, Ž. Crljen, R. Brako and B. Gumhalter
The role of van der Waals interactions in adsorption of Xe on Cu(111) and Pt(111)
Phys. Rev. B 72, 245407 (2005)

2006

1. A. Šiber
Energies of sp2 carbon shapes with pentagonal disclinations and elasticity theory
Nanotechnology 17, 3598 (2006)

2. A. Šiber
Shapes and energies of giant icosahedral fullerenes: Onset of ridge sharpening transition
Eur. Phys. J. B 53, 395 (2006)

3. A.Šiber
Buckling transition in icosahedral shells subjected to volume conservation constraint and pressure: Relations to virus maturation
Phys. Rev. E 73, 061915 (2006)

4. Č. Vadla, V. Horvatić, K. Niemax
Accurate determination of the atomic number density in dense Cs vapors by absorption measurements of Cs2 triplet bands
Appl. Phys. B-Lasers Opt. 84, 523 (2006)

5. V. Horvatić, T. L. Correll, N. Omenetto, Č. Vadla, J. D. Winefordner
The effects of saturationand velocity selective population in two-step $6S_{1/2} \rightarrow 6P_{3/2} \rightarrow 6D_{5/2}$ laser excitation in cesium
Spectroc. Acta Pt. B-Arom. Spectr. 61, 1260 (2006)

6. C. H. Greene, E. L. Hamilton, H. Crowell, Č. Vadla, K. Niemax
Experimental verifcation of minima in excited long-range Rydberg states of Rb_2
Phys. Rev. Lett. 97, 233002 (2006)

7. Č. Vadla, R. Beuc, V. Horvatic, M. Movre, A. Quentmeier, K. Niemax
Comparison of theoretical and experimental red and near infrared absorption spectra in overheated potassium vapour.
Eur. Phys. J. D 37, 37(2006)

8. M. Laškarin, H. Brkić, G. Pichler, D. Buković
The influence of age on tooth root colour changes
Coll. Antropol. 30, 315 (2006)

9. S. Vdović, D. Sarkisyan, G. Pichler
Absorption spectrum of rubidium and cesium dimmers by compact computer operated spectrometer
Opt. Commun. 268, 58 (2006)

10. R. Beuc, M. Movre, T. Ban, G. Pichler, M. Aymar, O. Dulieu, W. E. Ernst
Predictions for the observation of KRb spectra under cold conditions
J. Phys. B-At. Mol. Opt. Phys. 39, S1191 (2006).

11. M. C. Castex, C. Olivero, G. Pichler, D. Ades, A. Siove
Fluorescence, room temperature phosphorescence and photodegradation of carbazole compounds in irradiated poly(methyl methacrylate) matrices

Synth. Met. 156, 699 (2006)

12. T. Ban, D. Aumiler, H. Skenderović, G. Pichler
Mapping of the optical frequency comb to the atom velocity comb
Phys. Rev. A 73, 043407 (2006)

13. J. Hauer, H. Skenderović, K.-L. Kompa, M. Motzkus
Enhancement of Raman modes by coherent control in ß-carotene
Chem. Phys. Lett. 421, 523 (2006)

14. M. Pichler, J. Qi, W. C. Stwalley, R. Beuc, G. Pichler
Observation of blue satellite bands and photoassociation at ultracold temperatures
Phys. Rev. A 73, 021403(R) (2006)

15. Z. Tarle, A. Knežević, N. Demoli, A. Meniga, J. Šutalo, G. Unterbrink, M. Ristić, G. Pichler
Comparison of Composite Curing Parameters: Effect of Light Source and Curing Mode on Conversion, Temperature Rise and Polymerization Shrinkage
Oper. Dent. 31, 219 (2006)

16. N. Vujičić, H. Skenderović, T. Ban, D. Aumiler, G. Pichler
Low-density plasma channels generated by femtosecond pulses
Appl. Phys. B-Lasers Opt. 82, 377 (2006)

17. W. E. Ernst, R. Hauber, S. Jiang, R. Beuc, M. Movre, G. Pichler
Cesium dimer spectroscopy on helium droplets
J. Chem. Phys. 124, 024313 (2006)

18. Krstulović, Nikša; Labazan, Irena; Milošević, Slobodan
Study of Mn laser ablation in methane atmosphere
Eur. Phys. J. D 37 209 (2006)

19. I. Labazan, N. Krstulović, S.Milošević
Laser vaporization of LiAlH4 solid samples
Chem. Phys. Lett. 428, 13 (2006)

20. N. Krstulović, I.Labazan, S.Milošević, U. Cvelbar, A. Vesel, M. Mozetič
Optical emission spectroscopy characterization of oxygen plasma during treatment of a PET Foil
J. Phys. D-Appl. Phys. 39, 3799 (2006)

21. A. Vesel, M. Mozetič, A. Drenik, S. Milošević, N. Krstulović, M. Balat-Pichelin, I. Poberaj, D.Babić
Cleaning of porous aluminium titanate by oxygen plasma
Plasma Chem. Plasma Process. 26, 577 (2006)

.

22. S.Y.T. van de Meerakker, I. Labazan, S.Hoekstra, J. Kupper, G. Meijer
Production and deceleration of a pulsed beam of metastable NH (a1?) radicals
J. Phys. B-At. Mol. Opt. Phys. 39 S1077 (2006)

23. N. Demoli
Real-time monitoring of vibration fringe patterns by optical reconstruction of digital holograms: mode beating detection
Opt. Express 14, 2117 (2006)

24. J. Szavits-Nossan, K. Uzelac
Totally asymmetric exclusion process with long-range hopping.
Phys. Rev. E 74, 051104 (2006)

25. O.S. Barišić
Holstein light quantum polarons on the one-dimensional lattice.
Phys. Rev. B 73, 214304 (2006)

26. O.S. Barišić, S. Barišić
Quantum adiabatic polarons by translationally invariant perturbation theory.
Eur. Phys. J. B 54, 1 (2006)

27. F.A. Castro, H. Benmansour, C.F.O. Graeff, F. Nueesch, E. Tutiš, R. Hany
Nanostructured Organic Layers via Polymer Demixing for Interface-Enhanced Photovoltaic Cells
Chem. Mat. 18, 5504 (2006)

28. H. Houili, E. Tutiš, I. Batistić, L. Zuppiroli
Investigation of the charge transport through disordered organic molecular heterojunctions
J.Appl.Phys. 100, 033702 (2006)

29. H. Houili, E. Tutiš, L. Zuppiroli
Charge transport across organic-organic interfaces in organic light-emitting diodes
Synth. Met. 156, 1256 (2006)

30. R. Becker, H. Berger, M. Johnsson, M. Prester, Ž. Marohnić, M. Miljak, M.Herak
Crystal structure and magnetic properties of $Co_2TeO_3Cl_2$ and $Co_2TeO_3Br_2$
J. Solid State Chem. 179, 836 (2006)

31. R. Becker, H. Berger, M. Prester, I. Živković, Đ. Drobac, M. Miljak, M. Herak
Crystal structure and magnetic properties of $Co_7(TeO_3)_4Br_6$ -a new cobalt tellurite bromide
Solid State Sci. 8, 836 (2006)

32. O. Zaharko, H. Ronnow, J. Mesot, S.J. Crowe, D.McK. Paul, P.J. Brown, A. Daoud-Aladine,

A. Meents, A. Wagner, M. Prester, H. Berger
Incommensurate magnetic ordering in $Cu_2Te_2O_5X_2$ (X=Cl, Br) studied by single crystal neutron diffraction
Phys. Rev. B. 73, 1 (2006)

33. I. Živković, Đ. Drobac, M. Prester
Two components butterfly hysteresis in $RuSr_2EuCeCu_2O_{10}$ ruthnenocuprate
Physica C 433, 234 (2006)

34. J.K. Freericks and V. Zlatić
Nonlinear Peltier effect and the nonequilibrium Jonson-Mahan theorem
Condens. Matter Phys. 9, 603 (2006)

35. J.K. Freericks, V.M. Turkowski, and V. Zlatić
Nonequilibrium dynamical mean-field theory
Phys. Rev. Lett. 97, 266408 (2006)

36. Ž. Bihar, A. Bilušić, J. Lukatela, A. Smontara, P. Jeglič, P. McGuiness, J. Dolinšek, Z. Jagličić, J. Janovec, V. Demange, J.M. Dubois
Magnetic, transport and thermoelectric properties of Al-Cr-Fe quasicrystalline approximants
J. Alloy. Compd. 407, 65 (2006)

37. J. Dolinšek, Z. Jagličić, A. Smontara
Physical properties of the complex metallic alloy phases in the Al-Pd-Mn system
Philos. Mag. Lett. 86, 671 (2006)

38. J. Dolinšek, P.J. McGuiness, M. Klanjšek, I. Smiljanić, A. Smontara, E.S. Zijlstra, S.K. Bose, I.R. Fisher, M.J. Kramer, P.C. Canfield
Extrinsic origin of the insulating behavior of polygrain icosahedral Al-Pd-Re quasicrystals
Phys. Rev. B 74 (2006); 134201-1 do 134201-7

39. Z. Jagličić, S.El. Shawish, A. Jeromen, A. Bilušić, A. Smontara, Z. Trontelj, J. Bonča, J. Dolinšek, H.Berger
Magnetic ordering and ergodicity in the $Cu_2Te_2O_5X_2$ family of frustrated quantum magnets
Phys. Rev. B 73, 214408 (2006)

40. Z. Jagličić, J. Dolinšek, A. Bilušić, A. Smontara, Z. Trontelj, H. Berger
Searching for magnetic frustration-like properties in tetrahedral spin systems $Cu_2Te_2O_5(Br_{1-x}Cl_x)_2$
Physica B 382, 208 (2006)

41. D. Starešinić, K. Biljaković, P. Lunkenheimer, A. Loidl
Slowing down of the relaxational dynamics at the ferroelectric phase transition in one-dimensional $(TMTTF)_2AsF_6$

Solid State Commun. 137, 241 (2006)

42. D. Starešinić, P. Lunkenheimer, J. Hemberger, K. Biljaković, A. Loidl
Charge-Density-Wave analogous behavior in the one-dimensional charge-ordered semiconductor $(NbSe_4)_3I$
Phys. Rev. Lett. 96, 046402 (2006)

43. K. Biljaković
Comment on "Explanation of the Glasslike Anomaly in the Low-Temperature Specific Heat of Incommensurate Phases"
Phys. Rev. Lett. 56, 039603 (2006)

44. L. Ladino, J. W. Brill, M. Freamat, M. Uddin, D. Dominko
Dynamics of the electro-optic response of blue bronze $K_{0.3}MoO_3$
Phys. Rev. B 74, 115104 (2006)

45. R. Melin, J.C. Lasiaunias, S. Sahling, G. Remenyi, K. Biljaković
Interplay between phase defects and spin polarization in the specifc heat of the spin density wave compound $(TMTTF)_2Br$ in a magnetic field
Phys. Rev. Lett. 97, 227203 (2006)

46. D. Dvoršek, V. Kabanov, K. Biljaković, D. Mihailovič
Nonequilibrium electronic and structural Jahn-Teller dynamics in $(NbSe_4)_3I$
Phys. Rev. B 74, 085211 (2006)

47. T. Vuletić, B. Korin-Hamzić, T. Ivek, S. Tomić, B. Gorshunov, M. Dressel, and J. Akimitsu
The spin-ladder and spin-chain system $(La,Y,Sr,Ca)_{12}Cu_{24}O_{41}$: electronic phases, charge and spin dynamics
Phys. Rep.-Rev. Sec. Phys. Lett. 428, 169 (2006)

48. B.Korin-Hamzić, E.Tafra; M.Basletić, A.Hamzić and M.Dressel
Conduction anisotropy and Hall effect in the organic conductor $(TMTTF)_2 AsF_6$: Evidence for Luttinger liquid behavior and charge ordering
Phys. Rev. B 73, 115102 (2006)

49. S. Tomić, T. Vuletic, S. Dolanski Babić, S. Krča, D. Ivanković, L. Griparić and R. Podgornik
Screening and Fundamental Length Scales in Semidilute Na-DNA Aqueous Solutions
Phys. Rev. Lett 97, 098303 (2006)

50. V. Mikšić Trontl, I. Pletikosić, P. Pervan, M. Milun
Atomic structure of surfaces and ultrathin films
Croat. Chem. Acta 79, 311 (2006)

51. M. Kralj, Marko, A. Bailly, M.-C. Saint-Lager, S. Degen, A. Krupski, C. Becker, P. Dolle, M.

De Santis, K. Wandelt
Temperature- and coverage-dependent evolution of the Au/Pd(110) surface structure
Surf. Sci. 600, 2614 (2006)

52. D. Steiner-Petrovič, Darja, Đ. Mandrino, S. Krajinović, M. Jenko, M. Milun, V. Doleček, M. Jeram
The Surface Segregation of Copper in Non-Oriented Electrical Steels.
ISIJ Int. 46, 1452 (2006)

53. A. Lehnert, A. Krupski, S. Degen, K. Franke, S. Decker, S. Rusponi, M. Kralj, C. Becker, H. Brune, K. Wandelt
Nucleation of ordered Fe islands on $Al_2O_3/Ni_3Al(111)$.
Surf. Sci. 600, 1804 (2006)

54. P. Lazić, V.M. Silkin, E.V. Chulkov, P.M. Echenique, B. Gumhalter
Extreme ultrafast dynamics of quasiparticles excited in surface electronic bands.
Phys. Rev. Lett. 97, 086801 (2006)

55. A. Šiber
Dynamics and (de)localization in a one-dimensional tight-binding chain.
Am. J. Phys. 74, 692 (2006)

56. A. Šiber, Ch. Boas, M.W. Cole, Ch. Wöll
Anomalously low probabilities for rotational excitations in HD-surface scattering.
ChemPhysChem. 7, 1015 (2006)

57. M. Kralj, C. Becker, K. Wandelt
The initial stages of the hydrogen-induced reconstruction of Pd(110) studied with STM
Surf. Sci. 600, 4113 (2006)

58. T.L. Correll, V. Horvatić V, N. Omenetto, J.D. Winefordner, Č. Vadla
Experimental evaluation of the cross-sections for the Cs(6D)-> Cs(7P(J)) and $Cs(6D_{(5/2)})$-> $Cs(6D_{(3/2)})$ collisional transfer processes induced by He and Ar
Spectroc. Acta Pt. B-Atom. Spectr. 61, 623 (2006)

59. V. Zlatić, R. Monnier, J. Freericks
Thermoelectricity of $EuCu_2(Ge_{1-x}Si_x)(2)$ intermetallics
Physica B 378-80, 661 (2006)

2007

1.B.P.Gorshunov, A.A.Volkov, A.S.Prokhorov, I.E.Spektor, J.Akimitsu, M.Dressel, G.J.Nieuwenhuys, S.Tomić and S.Uchida
Terahertz BWO spectroscopy of conductors and superconductors
Quantum Electron. 37, 916 (2007)

2. A. Akrap, E. Tutiš, S.M. Kazakov, N.D. Zhigadlo, J. Karpinski, L. Forro
Manifestations of fine features of the density of states in the transport properties of KOs_2O_6.
Phys. Rev. B 75, 172501 (2007)

3. J. Dolinšek, Jeglič P., Komelj M., Vrtnik S., Smontara, A., Smiljanić I., Bilušić A., Ivkov J., Stanić., Zijlstra ES., Bauer B., Gille P.
Origin of anisotropic nonmetallic transport in the $Al_{80}Cr_{15}Fe_5$ decagonal approximant
Phys. Rev. B 76, 174207 (2007)

4. R. Beuc, M. Movre, B. Horvatić, G. Pichler
Predictions of absorption bands for RbCs on helium clusters
Chem. Phys. Lett. 435, 236 (2007)

5. R. Beuc, M. Movre, B. Horvatić, M. Čopor, S. Vdović, A. Nevsesyan, T. Varzhapetyan, D. Sarkisyan, G. Pichler
RbCs bands observation and interpretation
Appl. Phys. B-Lasers Opt. 88, 111 (2007)

6. J. Dolinšek, S. Vrtnik, M. Klanjšek, Z. Jagličić, A.Smontara, I. Smiljanić, A. Bilušić, Y. Yokoyama, A. Inoue, C.V.Landauro
Intrinsic electrical, magnetic, and thermal properties of single-crystalline $Al_{64}Cu_{23}Fe_{13}$ icosahedral quasicrystal: experiment and modeling
Phys. Rev. B 76, 054201 (2007)

7. A. Smontara, I. Smiljanić, A. Bilušić, Z. Jagličić, M. Klanjšek, J. Dolinšek, S. Roitsch, M. Feuerbacher
Electrical, magnetic, thermal transport and thermoelectric properties of the "Bergman phase" $Mg_{32}(Al, Zn)_{49}$ complex metallic alloy
J. Alloy. Compd. 430, 29 (2007)

8. A. Bilušić, A. Smontara, J. Dolinšek, P.J. McGuiness, H.R. Ott H. R
Phonon scattering in quasicrystalline i-$Al_{72}Pd_{19.5}Mn_{8.5}$: A study of the low-temperature thermal conductivity
J. Alloy. Compd. 432, 1 (2007)

9. J. Dolinšek, T. Apih, P. Jeglič, I. Smiljanić, Ž. Bihar, A. Bilušić, A. Smontara, Z. Jagličić, M.

Feuerbacher
Magnetic and transport properties of the giant-unit-cell beta-$Al_{3.26}Mg_2$ complex metallic alloy
Intermetallics. 15, 1367 (2007)

10. J. Dolinšek, P.J. McGuiness, M. Klanjšek, I. Smiljanić, A. Smontara, E.S. Zijlstra, S.K. Bose, I.R. Fisher, M.J. Kramer, P.C. Canfield
Reply to Comment on "Extrinsic origin of the insulating behavior of polygrain icosahedral AlPdRe quasicrystals"
Phys. Rev. B 76, 216202 (2007)

11. J. C. Lasjaunias, A. Sulpice, K. Biljaković, D. Vengust, D. Mihailovič
Low-energy vibrational excitations of $Mo_6S_3I_6$ nanowires revealed by low- temperature specific heat
Nanotehnology 18, 355704 (2007)

12. O. S. Barišić
Relevant coherent states method for the quantum adiabatic dynamics of lattice-coupled charge carriers,
EPL 77, 57004 (2007)

13. O. S. Barišić
Comment on "Green's Function of a Dressed Particle"
Phys. Rev. Lett. 98, 209701 (2007)

14. O. S. Barišić,
Diagrammatic content of the DMFT for the Holstein polaron problem in finite dimensions,
Phys. Rev. B 76, 193106 (2007)

15. I. Balog, K. Uzelac:
Invaded cluster algorithm for a tricritical point in a diluted Potts model
Phys. Rev. E 76, 011103 (2007)

16. A. Šiber and B. Gumhalter
Reply to “Comment on‘ Suppression of inelastic bound-state resonance effects by the dimensionality of an atom-surface scattering event’ ”
Phys. Rev. B 75, 046402 (2007)

17. A. Šiber
Continuum and all-atom description of the energetics of graphene nanocones
Nanotechnology 18, 375705 (2007)

18. A. Šiber and R. Podgornik,
Role of electrostatic interactions in the assembly of empty spherical viral capsids

Phys. Rev. E 76 061908 (2007)

19. P. Lazić, V.M. Silkin, E.V. Chulkov, P.M. Echenique, B. Gumhalter
Extreme ultrafast dynamics of quasiparticles excited in surface electronic bands
Phys.Rev. B 76, 045420 (2007)

20. H. Ueba, B. Gumhalter
Theory of two-photon photoemission from surfaces (review)
Prog. Surf. Sci. 82, 193 (2007)

21. P. Lazić, R. Brako, B. Gumhalter:
Structure and dynamics of Xe monolayers adsorbed on Cu(111) and Pt(111) surfaces studied in the density functional approach (topical review)
J. Phys.-Condes. Matter 19, 305004 (2007)

22. Jurczyszyn, L. Krupski, A. Degen, S. Pieczyrak, B. Kralj, M. Becker, C. Wandelt, K.
Atomic structure and electronic properties of Ni_3Al(111) and (011) surfaces
Phys. Rev. B 76, 045101 (2006)

23. Gracin D, Juraic K, Gajovic A, Dubcek, P. Djerdj, I. Tomasic, N. Krajinovic, S. Milun, M. Bernstorff, S.
The influence of post deposition plasma treatment on SnO_x structural properties
Vacuum 82, 266 (2007)

24. I. Živković, D. Pajić, K. Zadro
Low temperature magnetic transition in $RuSr_2EuCeCu_2O_{10}$ ruthenocuprate
Physica C 452, 16 (2007)

25. D. Pajić, K. Zadro, R. Ristić, I. Živković, Ž. Skoko, E. Babić,
Thermal relaxation of magnetic clusters in amorphous $Hf_{57}Fe_{43}$ alloy
J. Phys.-Condes. Matter 19, 296207 (2007)

26. M. Miljak, R Becker, M Herak, M Prester, O Milat, M Johnsson and H. Berger
A new modification of nickel selenite $NiSeO_3$ crystal structure and magnetic properties
J. Phys.-Condes. Matter 19, 196203 (2007)

27. Richard Becker, Mladen Prester, Helmuth Berger, Mats Johnsson, Djuro Drobac, Ivica Zivkovic
Crystal structure and magnetic properties of the new cobalt tellurite halide $Co_5(TeO_3)4X_2$ (X=Cl, Br)
Solid State Sci. 9, 223 (2007)

28. C. Battaglia, H. Cercellier, L.Despont, C. Monney, M.Prester, H.Berger, L. Forro, M.G.Garnier, and P. Aebi,

Non-uniform doping across the Fermi surface of NbS_2 intercalates
Eur. Phys. J. B 57, 385 (2007)

29. D. Lovrić, Z. Vučić, J. Gladić
Model study of local enhancement of chemical potential gradient after facet formation on growing spherical Cu2-?Se crystals
J. Cryst. Growth, 304, 497 (2007)

30. J. Gladić, Z. Vučić, D. Lovrić
Reducing of phase retrieval errors in Fourier analysis of 2-dimensional digital model interferograms
Opt. Lasers Eng. 45, 868 (2007)

31. R. Becker, M. Prester, H. Berger, P.H. Lin, M. Johnsson, Dj. Drobac, I. Zivkovic
Crystal structure and magnetic properties of two new cobalt selenite halides: $Co_5(SeO_3)_4X_2$ (X=Cl, Br)
J. Solid State Chem. 180, 1051 (2007)

32. J. K. Freericks, V. Zlatic, and A. M. Shvaika
Electronic thermal transport in strongly correlated multilayered nanostructures
Phys. Rev. B 75, 035133 (2007)

33. K.W. Becker, S. Sykora, and V. Zlatic
Static and dynamic properties of the spinless Falicov-Kimball model
Phys. Rev. B 75, 075101 (2007)

34. V. Zlatic, R. Monnier, J.K. Freericks, and K.W. Becker
Relationship between the thermopower and entropy of strongly correlated electron systems
Phys. Rev. B 76, 085122 (2007)

35. J.K. Freericks and V. Zlatic
Enhancement of thermoelectric performance in strongly correlated multilayered nanostructures
Phys. Status Solidi B-Basic Solid State Phys. 244, 2351 (2007)

36. R. Beuc, M. Movre, V. Horvatic, C. Vadla, O. Dulieu, M. Aymar
Absorption spectroscopy of the rubidium dimer in an overheated vapor: An accurate check of molecular structure and dynamics
Phys. Rev. A 75, 032512 (2007)

37. D. Boecker, A. Zybin, V. Horvatic, C. Grunwald, K. Niemax
Differential surface plasmon resonance imaging for high throughput bio-analyses
Anal. Chem. 79, 702 (2007)

38. N. Demoli, M. Torzynski, and D. Vukičević
Enhanced sensitivity digital holographic interferometry
Opt. Express 15, 10672 (2007)

39. A. Knežević, M. Ristić, N. Demoli, Z. Tarle, S. Musić, V. Negovetić Mandić
Composite photopolymerization with diode laser
Oper. Dent. 32, 279 (2007)

40. V. Pandurić, N. Demoli, Z. Tarle, K. Šariri, V. Negovetić Mandić, A. Knežević, J. Šutalo
Visualization of marginal integrity of resin-enamel interface by holographic interferometry
Oper. Dent. 32, 266 (2007)

41. M. Pichler, D. Azinović, S. Milošević, G. Pichler
Complex resonance energy transfer in the LiH-Li system
Chem. Phys. Lett. 438, 178 (2007)

42. A. Vesel, M. Mozetič, A. Hladnik, J. Dolenc, J. Zule, S. Milošević, N. Krstulović, M. Klanjšek-Gunde, N. Hauptmann
Modification of ink-jet paper by oxygen-plasma treatment
J. Phys. D-Appl. Phys. 40, 3689 (2007)

43. D. Vujošević, M. Mozetič, U. Cvelbar, N. Krstulović, S. Milošević
Optical emission spectroscopy characterization of oxygen plasma during degradation of Escherichia coli
J. Appl. Phys. 101, 1033051 (2007)

44. U. Cvelbar, M. Mozetič, I. Junkar, A. Vesel, J. Kovač, A. Drenik, T. Vrlinič, N. Hauptman, M. Klanjšek-Gunde, B. Markoli, N. Krstulović, S Milošević, F. Gaboriau, T. Belmonte
Oxygen plasma functionalization of poly(p-phenilene sulphide)
Appl. Surf. Sci. 253, 8669 (2007)

45. T. Ban, D. Aumiler, H. Skenderović, S. Vdović, N. Vujičić, G. Pichler
Cancellation of the coherent accumulation in rubidium atoms excited by a train of femtosecond pulses
Phys. Rev. A 76, 043410 (2007)

46. N. Vujičić, S. Vdović, D. Aumiler, T. Ban, H. Skenderović, G. Pichler
Femtosecond laser pulse train effect on Doppler profile of cesium resonance lines
Eur. Phys. J. D 41, 447 (2007)

47. S. Vdović, T. Ban, D. Aumiler, G. Pichler
EIT at 5 $2S_{1/2}$ - 6 $2P_{3/2}$ transition in a mismatched V-type rubidium system
Opt. Commun. 272, 407 (2007)

48. Cvelbar U, Krstulovic N, Milosevic S, et al.
Inductively coupled RF oxygen plasma characterization by optical emission spectroscopy
Vacuum 82, 224 (2007)

49. I. Živković, V.P.S. Awana, H. Kishan, S. Balamurugan, E. Takayama-Muromachi, I. Felner
Nonlinear magnetic response from the $Ru_{0.9}Sr_2YCu_{2.1}O_{7.9}$ magnetosuperconductor and its resultant phase separation
J. Appl. Phys. 101, 09G112 (2007)

50. M. Basletić M, B. Korin-Hamzić, K. Maki, S. Tomic
Unconventional spin-density wave in Bechgaard salt $(TMTSF)_{(2)}NO_3$
Phys. Rev. B 75, 052409 (2007)

51. S. Tomić, S. Dolanski Babić, T. Vuletić, S. Krča, D. Ivanković, L. Griparić and R. Podgornik
Dielectric relaxation of DNA aqueous solutions
Phys.Rev.E 75, 021905, (2007)

2008

1. E. Tafra, B. Korin-Hamzić, M. Basletić, A. Hamzić, M. Dressel and J. Akimitsu
Influence of doping on the Hall coefficient in $Sr_{14-x}Ca_xCu_{24}O_{41}$
Phys. Rev. B 78, 155122 (2008).

2. T. Ivek, T. Vuletić, B. Korin-Hamzić, O. Milat, S. Tomić, B. Gorshunov, M. Dressel, J. Akimitsu, Y. Sugiyama, C. Hess and B. Büchner
Crossover in charge transport from one-dimensional copper-oxygen chains to two-dimensional ladders in $(La,Y)_y(Sr,Ca)_{14-y}Cu_{24}O_{41}$
Phys. Rev. B 78, 205105 (2008).

3. S.Tomić, S.Dolanski Babić, T.Ivek, T. Vuletić, S. Krča, F.Livolant and R. Podgornik
Short-fragment Na-DNA dilute aqueous solutions: fundamental length scales and screening,
EPL 81, 68003 (2008).

4. T. Ivek, T.Vuletić, S.Tomić, A.Akrap, H,Berger and L.Forro
Collective charge excitations below the metal-to-insulator transition in $BaVS_3$
Phys.Rev.B 78, 035110 (2008).

5. Jurić, I. Batistić, E. Tutiš
Recombination at heterojunctions in disordered organic media:, Modeling and numerical

simulations
Phys. Rev. B, 77, 165304 (2008).

6. B. Sipos, A. Kusmartseva, A. Akrap, H. Berger, L. Forró, E. Tutiš
From Mott state to superconductivity in 1T-TaS
Nat. Mater. 7, 960 (2008).

7. Smontara, Ana; Smiljanić, Igor; Bilušić, Ante; Grushko, B.; Balanetskyy, S.; Jagličić, Z.; Vrtnik, S.; Dolinšek, J.
Complex epsilon-phases in the Al-Pd-transition-metal systems: towards a combination of an electrical conductor with a thermal insulator
J. Alloy. Compd. 450, 92 (2008).

8. Smiljanić, Igor; Smontara, Ana; Bilušić, Ante; Lukatela, Jagoda; Stanić, Denis; Barišić,, Neven; Dolinšek, J.; Feuerbacher, M.; Grushko, B.
Thermal and electrical conductivities in Al-based complex metallic alloys
Philos. Mag. 78, 2155 (2008).

9. Smontara, Ana; Smiljanić, Igor; Ivkov, Jovica; Stanić, Denis; Barišić, Osor-Slaven; Jagličić, Z.; Gille, P.; Komelj, M.; Jeglič, P.; Dolinšek, J.
Anisotropic magnetic, electrical and thermal transport properties of Y-Al-Ni-Co decagonal approximant
Phys. Rev. B 78, 104204 (2008).

10. Barišić, Neven; Li, Yuan; Zhao, Xudong; Cho, Yong-Chan; Chabot-Couture, Guillaume; Yu, Guichuan; Greven, Martin
Demonstrating the model nature of the high-temperature superconductor $HgBa_2CuO_{4+?}$
Phys. Rev. B 78, 054518 (2008).

11. Popčević, Petar, E. Babić, S. Sabolek
Effects of Surface Abrasion on Magnetization of VITROVAC 6025Z Ribbons
IEEE Trans. Magn. 44, 2005 (2008).

12. Dolinšek, J.; Vrtnik, S.; Smontara, Ana; M. Jagodič, M.; Jagličić, Z.; Bauer, B.; Gille, P.
Anisotropic electrical, magnetic and thermal transport properties of the $Al_{80}Cr_{15}Fe_5$ decagonal approximant
Philos. Mag. 78, 2145 (2008).

13. Smiljanić, Igor; Smontara, Ana; Bilušić, Ante; Lukatela, Jagoda; Stanić, Denis; Barišić, Neven; Dolinšek, J.; Feuerbacher, M.; Grushko, B.
Thermal and electrical conductivities in Al-based complex metallic alloys
Philos. Mag. 78, 2155 (2008).

14. Smontara, Ana; Smiljanić, Igor; Bilušić, Ante; Grushko, B.; Balanetskyy, S.; Jagličić, Z.; Vrtnik, S.; Dolinšek, J.,
Complex epsilon-phases in the Al-Pd-transition-metal systems: towards a combination of an electrical conductor with a thermal insulator
J. Alloy. and Compd. 450, 92 (2008).

15. S. Žonja, M. Očko, M. Ivanda, P. Biljanović
Low temperature resistivity of the heavily boron doped LPVCD polysilicon thin films
J. Phys. D-Appl. Phys. 41, 162002 (2008).

16. D. Starešinić, S. V. Zaitsev-Zotov, N. I. Baklanov, K. Biljaković
Freezing of low energy excitations in charge density wave glasses
J. Chem. Phys. 128, 094501 (2008).

17. D. Lovrić, Z. Vučić, J. Gladić
Possible burst-like facet growth mode at high temperatures
J. Cryst. Growth, 310, 3391 (2008).

18. D. Starešinić, D. Dominko, P. Lunkenheimer, A. Loidl
Thermal hysteresis in the dielectric response of charge density wave system o-TaS_3
J. Phys.-Condes. Matter 20, 445231 (2008).

19. Šiber, Antonio; Dragar, Miran; Parsegian, V. Adrian, Podgornik, Rudolf
Packing nanomechanics of viral genomes
Eur. Phys. J. E 26, 317 (2008).

20. Šiber, Antonio; Podgornik, Rudolf
Nonspecific interactions in spontaneous assembly of empty versus functional single-stranded RNA viruses
Phys. Rev. E 78, 051915 (2008).

21.Šiber, Antonio; Gumhalter, Branko
Phonon-mediated bound state resonances in inelastic atom– surface scattering
J. Phys.-Condes. Matter 20, 224002 (2008).

22.Gumhalter, Branko; Šiber, Antonio; Buljan, Hrvoje; Fauster, Thomas
Nonadiabatic dynamics of electron scattering from adsorbates in surface bands
Phys. Rev. B 78, 155410 (2008).

23. I. Pletikosić , V.M. Trontl, M. Milun, R. Brako, D. Šokčević, P. Pervan
d-band quantum well states in Ag(111) monolayer films; substrate-induced shifts
J. Phys.-Condes. Matter 20, 355004 (2008).

24. M. Kralj, T. Pertram, A. Krupski, C. Becker, K. Wandelt, N. Seriani, and F. Mittendorfer

The Pd(110) surface oxide structures investigated by STM and DFT
Surf. Sci. 602, 3706 (2008).

25. M. Moors, A. Krupski, S. Degen, M. Kralj, C. Becker, and K. Wandelt
Scanning tunneling microscopy and spectroscopy investigations of copper phthalocyanine adsorbed on $Al_2O_3/Ni_3Al(111)$
Appl. Surf. Sci. 254, 4251 (2008).

26. U.V. Desnica, K. Salamon, M. Buljan, P. Dubček, N. Radić, I.D. Desnica-Franković, Z. Siketić, I. Bogdanović-Radović, M. Ivanda, S. Bernstorff
Formation of Ge-nanocrystals in SiO_2 matrix by magnetron sputtering and post-deposition thermal treatment
Superlattices Microstruct. 44, 323 (2008).

27. T. Ivek, T. Vuletić, B. Korin-Hamzić, O. Milat, S. Tomić, B. Gorshunov, M. Dressel, J. Akimitsu, Y. Sugiyama, C. Hess, B. Büchner
Crossover in charge transport from one-dimensional copper-oxygen chains to two-dimensional ladders in $(La,Y)_y(Sr,Ca)_{14-y}Cu_{24}O_{41}$
Phys. Rev. B 78, 205105 (2008).

28. M. Miljak, M. Herak, O. Milat, N. Tomačić, and H. Berger
Magnetic state of low dimensional $CuTe_2O_5$ compound below 20 K temperature
J. Phys.-Condes. Matter 20, 505210 (2008).

29. Mirta Herak, Marko Miljak, Ana Akrap, Laszlo Forro, and Helmuth Berger
Magnetic Anisotropy of Paramagnetic and Ferromagnetically Ordered State of Single Crystal $BaVSe_3$
J. Phys.Soc. Jpn. 77, 093701 (2008).

30. O. S. Barišić, S. Barišić
Phase diagram of the Holstein polaron in one dimension,
Eur. Phys. J. B. 64, 1 (2008).

31. Ana Akrap, Vladan Stojanović, Mirta Herak, Marko Miljak, Neven Barišić, Helmuth Berger and Laszlo Forro
Transport and magnetic properties of $BaVSe_3$
Phys. Rev. B 78, 235111 (2008).

32. V. Zlatić, R. Monnier, and J. K. Freericks
Enhancement of thermal transport in the degenerate Anderson Model
Phys. Rev. B 78, 045113 (2008).

33. V. Horvatić, D. Veža, K. Niemax, C. Vadla
Determination of the Rb atomic number density in dense rubidium vapors by absorption

measurements of Rb-2 triplet bands
Spectroc. Acta Pt. B-Atom. Spectr. 63, 210 (2008).

34. V. Horvatić, D. Veža, M. Movre, K. Niemax, C. Vadla
Foreign gas broadening and shift of the strongly "forbidden" lead line at 1278.9 nm
Spectroc. Acta Pt. B-Atom. Spectr. 63, 652 (2008).

35. C. C. Garcia, H. Lindner, A. von Bohlen, C. Vadla, K. Niemax
Elemental fractionation and stoichiometric sampling in femtosecond laser ablation
J. Anal. At. Spectrom. 23, 470 (2008).

36. N. Krstulović, N. Čutić, S. Milošević
Spatial and temporal probing of laser induced plasma plume by cavity ring-down spectroscopy
Spectroc. Acta Pt. B-Atom. Spectr., 63, 1233 (2008).

37. H. Skenderović, T. Ban, N. Vujičić, D. Aumiler, S. Vdović, and G. Pichler
Cone emission induced by femtosecond excitation in rubidium vapor
Phys. Rev. A 77, 063816 (2008).

38. T. Varzhapetyan, A. Nersisyan, V. Babushkin, D. Sarkisyan, S. Vdović, G. Pichler
Study of atomic transition self-broadening and shift with the help of a nano-cell
J. Phys. B-At. Mol. Opt. Phys. 41, 185004 (2008).

39. K. Uzelac, Z. Glumac, O.S. Barišić
Short-time dynamics in the 1D long-range Potts model
Eur. Phys. J. B 63, 101 (2008).

40. J. Szavits-Nossan, K. Uzelac
Scaling properties of the asymmetric exclusion process with long-range hopping
Phys. Rev. E 77, 051116 (2008).

41. I. Balog, K. Uzelac
Equilibrium-like extension of the Invaded Cluster algorithm
Phys. Rev. E 77, 050101 (2008).

42. M. Mozetič, U. Cvelbar, A. Vesel, N. Krstulović and S. Milošević
Interaction of oxygen plasma with aluminium substrates
IEEE Trans. Plasma Sci. 36, 868 (2008).

43. N. Krstulović, N. Čutić and S. Milošević
Modeling of cavity ring-down spectroscopy characterization of laser induced plasma plume
IEEE Trans. Plasma Sci. 36, 1130 (2008).

44. Z. Kregar, N. Krstulović, S. Milošević, K.Kenda, U. Cvelbar and M. Mozetič
Inductively coupled rf oxygen plasma studied by spatially resolved optical emission spectroscopy
IEEE Trans. Plasma Sci. 36, 1368 (2008).

2009

1. I. Aviani, M. Očko, D. Starešinić, K. Biljaković, A. Loidl, J. Hemberger, J.L. Sarrao
Understanding the energy scales relevant for the valence transition in $YbInCu_4$
Phys. Rev. B 79, 165112 (2009).

2. K. Biljaković, D. Starešinić, D. Dominko, J.C. Lasjaunias
Charge density glass from fictions to facts
Physica B 404, 456 (2009).

3. A. Tomeljak, B. Kavčič, H. Schafer, V.V. Kabanov, D. Mihailovič, D. Starešinić, K. Biljaković, J. Demšar
Femtosecond nonequilibrium dynamics in quasi-1D CDW systems $K_{0.3}MoO_3$ and $Rb_{0.3}MoO_3$
Physica B 404, 548 (2009).

4. A. Tomeljak, H. Schafer, D. Stadter, M. Beyer, K. Biljaković, J. Demšar
Dynamics of Photoinduced Charge-Density-Wave to Metal Phase Transition in $K_{0.3}MoO_3$
Phys. Rev. Lett. 102, 066404 (2009).

5. D. Modrić, S. Bolanča, R. Beuc
Monte Carlo Modeling of Light Scattering in Paper
J. Imaging Sci. Technol. 53, 020201 (2009).

6. E. Tafra, B. Korin-Hamzić, M. Basletić, A. Hamzić, M. Dressel, J. Akimitsu
Hall effect in $Sr_{14-x}Ca_xCu_{24}O_{41}$
Physica B 404, 385 (2009).

7. N. Krstulović, N. Čutić, S. Milošević
Cavity ringdown spectroscopy of collinear dual-pulse laser plasmas in vacuum
Spectrochim. Acta Pt. B-Atom. Spectros. 64, 271 (2009).

8. Z. Petrović, M. Metikoš-Huković, R. Babić, J. Katić, M. Milun
A multi-technique study of gold oxidation and semiconducting properties of the compact alpha-oxide layer
J. Electroanal. Chem. 629, 43 (2009).

9. V.M. Trontl, P. Pervan, M. Milun
Growth and electronic properties of ultra-thin Ag films on Ni(111)

Surf. Sci. 603, 125 (2009).

10. I. Pletikosić, M. Kralj, P. Pervan, R. Brako, J. Coraux, A.T. N'Diaye, C. Busse, T. Michely
Dirac Cones and Minigaps for Graphene on Ir(111)
Phys. Rev. Lett. 102, 056808 (2009).

11. K. Prša, H.M. Ronnow, O. Zaharko, N.B. Christensen, J. Jensen, J. Chang, S. Streule, M. Jimenez-Ruiz, H. Berger, M. Prester, J. Mesot
Anomalous Magnetic Excitations of Cooperative Tetrahedral Spin Clusters
Phys. Rev. Lett. 102, 177202 (2009).

12. M. Prester, I. Živković, O. Zaharko, D. Pajić, P. Tregenna-Piggott, H. Berger
Ferromagnetism in $Co_7(TeO_3)_4Br_6$: A byproduct of complex antiferromagnetic order and single-ion anisotropy
Phys. Rev. B 79, 144433 (2009).

13. D. Stanić, J. Ivkov, A. Smontara, Z. Jagličič, J. Dolinšek, M. Heggen, M. Feuerbacher
Hall effect in Taylor-phase and decagonal Al_3(Mn,Fe) complex intermetallics
Z.Kristallogr 224, 49 (2009).

14. A. Smontara, D. Stanić, I. Smiljanić, J. Dolinšek, P. Gille
Anisotropic electrical and thermal conductivities of the $Al_{76}Co_{22}Ni_2$ decagonal approximant
Z.Kristallogr 224, 56 (2009).

15. J. Dolinšek, A. Smontara, O.S: Barišić, P. Gille
Phonon-enhanced thermoelectric power of Y-Al-Ni-Co decagonal approximant
Z.Kristallogr 224, 64 (2009).

16. M. Komelj, J. Ivkov, A. Smontara, P. Gille, P. Jeglič, J. Dolinšek
Origin of the Hall-coefficient anisotropy in the Y-Al-Ni-Co periodic approximant to the decagonal phase
Solid State Commun. 149, 515 (2009).

17. A. Šiber, R. Podgornik
Stability of elastic icosadeltahedral shells under uniform external pressure: Application to viruses under osmotic pressure
Phys. Rev. E 79, 011919 (2009).

18. S. Burdin, V. Zlatić
Multiple temperature scales of the periodic Anderson model: Slave boson approach
Phys. Rev. B 79, 115139 (2009).

19. G. Školnik, N. Vujičić, T. Ban
Optical pumping of the Zeeman components in the rubidium vapor

Optics Commun. 282, 1326 (2009).

20. S. Groh, C.C. Garcia, A. Murtazin, V. Horvatić, K. Niemax
Local effects of atomizing analyte droplets on the plasma parameters of the inductively coupled plasma
Spectrochim. Acta Pt. B-Atom. Spectros. 64, 247 (2009).

21. M. Očko
The texture of zinc alloys obtained by the ultra-rapid quenching mill device
J. Phys. D-Appl. Phys. 42, 045416 (2009).

22. M. Lebental, H. Choukri, S. Chenais, S. Forget, A. Siove, B. Geffroy, E. Tutiš
Diffusion of triplet excitons in an operational organic light-emitting diode
Phys. Rev. B 79, 165318 (2009).

23. D. Aumiler, S.F. Wang, X.D. Chen, A.D. Xia
Excited State Localization and Delocalization of Internal Charge Transfer in Branched Push-Pull Chromophores Studied by Single-Molecule Spectroscopy
J. Am. Chem. Soc. 131, 5742 (2009).

24. S. Barišić, O.S. Barišić
Comparative study of organic metals and high-Tc cuprates
Physica B 404, 370 (2009).

25. D. Aumiler, T. Ban, G. Pichler
Time dynamics of a multilevel system excited by a train of ultrashort pulses
Phys. Rev. A 79, 063403 (2009).

26. P. Lazić, D. Aumiler, B. Gumhalter
Nonadiabatic quasiparticle dynamics in tome resolved electron spectroscopies of surface bands
Surf. Sci. 603, 1571 (2009).

27. G. Školnik, N. Vujičić, T. Ban
Optycal pumping of Zereman components in rubidium vapor
Opt. Commun. 282, 1326(2009).

28. Buljan M, Desnica UV, Dražić G, Ivanda M, Radić N, Dubček P, Salamon K, Bernstorff S, Holy V
The influence of deposition temperature on the correlation of Ge quantum dot positions in amorphous silica matrix
Nanotechnology 20, 085612 (2009).

29. Hineva T, Szekeres A, Petkov P, Anastasescu M, Gartner M, Salamon K
Vacuum thermal evaporated $(AsSe)_{(1-x)}(AgI)_{(x)}$ films: studies by spectroscopic ellipsometry and atomic-force microscopy
J. Optoelectron. Adv. Mater. 11, 1265 (2009).

30. Barišić OS, Prelovšek P, Metavitsiadis A, Zotos X
Incoherent transport induced by a single static impurity in a Heisenberg chain
Phys. Rev. B 80,125118 (2009).

31. Šiber A, Majdandžić A)
Spontaneous curvature as a regulator of the size of virus capsids
Phys. Rev. E 80, 021910 (2009).

32. Skenderović H
Four-wave mixing with femtosecond pulses
Phys. Scr. T135, 014037(2009).

33. Demoli N, Halaq H, Šariri K, Torzynski M, Vukičević D
Undersampled digital holography
Opt. Express 18, 15842 (2009).

34. Ban T, Aumiler D, Vdović S, Vujičić N, Skenderović H, Pichler G
Coherent population dynamics in rubidium atoms excited by resonant 0 ? pulses
Phys. Rev. A 80,023425 (2009).

35. Buljan M, Bogdanović-Radović I, Karlušić M, Desnica UV, Dražić G, Radić N, Dubček P, Salamon K, Bernstorff S, Holy V
Formation of long-range ordered quantum dots arrays in amorphous matrix by ion beam irradiation
Appl. Phys. Lett. 95, 063104 (2009).

36. Očko M, Zonja S, Stubicar M, Stubicar N, Bauer ED, Sarrao JL
Why $Yb_xLu_{1-x}Al_3$ and $Yb_xY_{1-x}InCu_4$ have quite opposite concentration dependence of the Vickers microhardness
Solid State Commun. 149, 1313 (2009).

37. Lu W, Chen XD, Aumiler D, Xia AD
Single molecule fluorescence fluctuations of the cyanine dyes linked covalently to DNA
Sci. China Ser. B-Chem. 52, 1148 (2009).

38. Nichols J, Dominko D, Ladino L, Zhou J, Brill JW
Characterization of the torsional piezoelectriclike response of tantalum trisulfide associated with charge-density-wave depinning

Opt. Express 18, 15842 (2009).

39. Kregar Z, Krstulović N, Vukelic NG, Milošević S
Space and time resolved optical emission spectroscopy characterization of inductively coupled RF water vapour plasma
J. Phys. D-Appl. Phys 14, 145201 (2009).

40. Očko M
Transport properties of the $Ce_xLa_{1-x}Pt$ alloy system
J. Alloy. Compd. 482, 43 (2009).

41. Pervan P, Milun M
Photoemission from 2D metallic quantum wells
Surf. Sci. 603, 1378 (2009).

42. Dolinšek J, Komelj M, Jeglič P, Vrtnik S, Stanić D, Popčević P, Ivkov J, Smontara A, Jagličič Z, Gille P, Grin Y
Anisotropic magnetic and transport properties of orthorhombic $Al_{13}Co_4$
Phys. Rev. B 79, 184201 (2009).

43. Akrap A, Stevanović V, Herak M, Miljak M, Barišić N, Berger H, Forro L
Transport and magnetic properties of $BaVSe_3$
Phys. Rev. B 78, 235111 (2009).

44. Prlić I, Surić Mihić M, Vučić Z
Active electronic personal dosemeter in interventional radiology
Radiat. Prot. Dosim. 132, 308 (2009).

45. Salamon K, Milat O, Buljan M, Desnica UV, Radić N, Dubček P, Bernstorff S
Grazing incidence X-ray study of Ge-nanoparticle formation in $(Ge:SiO_2)/SiO_2$ multilayers
Thin Solid Films 517, 1899 (2009).

46. Buljan M, Desnica UV, Ivanda M, Radić N, Dubček P, Dražić G, Salamon K, Bernstorff S, Holy V
Formation of three-dimensional quantum-dot superlattices in amorphous systems: Experiments and Monte Carlo simulations
Phys. Rev. B 79, 035310 (2009).

47. C. Vadla, V. Horvatić, K. Niemax
Line broadening studies of excited diatomic homo- and hetero-Rydberg molecules formed by potassium, rubidium and cesium atoms
Phys. Rev. A 80, 052506 (2009)

48.. D. Aumiler, T. Ban, N. Vujičić, S. Vdović, H. Skenderović, G. Pichler
Characterization of the optical frequency comb using modifed direct frequency comb spectroscopy
Appl. Phys. B 97, 553 (2009).

49. J. Szavits-Nossan, K. Uzelac
Impurity-induced shocks in the asymmetric exclusion process with long-range hopping
J. Stat. Mech. Theor. Exp. P12019 (2009)

50. Kusmartseva A. F., Sipos B., Berger H.; Forro L., Tutiš E.
Pressure Induced Superconductivity in Pristine 1T-$TiSe_2$.
Phys. Rev. Lett. 103, 236401 (2009)

51. J. Nichols, D. Dominko, L. Ladino, J. Zhou, J.W. Brill
Characterization of the torsional piezoelectriclike response of tantalum trisulfide
Phys. Rev. B 79, 241110 (2009

52. K. Biljaković, J.C. Lasjaunias, R. Mélin, P. Monceau, G. Reményi, S. Sahling, D. Starešinić
Exploring low-energy landscape of quasi-one-dimensional conductors by heat relaxation and magnetic field
Synth. Met. 159, 2402 (2009)

53. A. Šiber, R.F. Rajter, R.H. French, W.Y. Ching, V.A. Parsegian, R. Podgornik
Dispersion interactions between optically anisotropic cylinders at all separations: Retardation effects for insulating and semiconducting single-wall carbon nanotubes
Phys. Rev. B 80, 165414 (2009)

2010.

1. I. Živković, K. Prša, O. Zaharko, H. Berger
Ni_3TeO_6-a collinear antiferromagnet with ferromagnetic honeycomb planes
J. Phys.-Condes. Matter 22, 056002 (2010).

2. D. Dominko, D. Starešinić
The influence of temperature and electric field history on the conductivity of the charge density wave system o-TaS_3
J. Phys.-Condes. Matter 22, 055603 (2010).

3. Č. Vadla, V. Horvatić, D. Veža, L. Niemax
Resonantly laser induced plasmas in gases: The role of energy pooling and exothermic collisions in plasma breakdown and heating
Spectroc. Acra Pt. B-Atom. Spectr. 65, 33 (2010).

4. T. Tolinski, V. Zlatić, A. Kowalczyk
Thermoelectric power in CeT_4M (T = Cu, Ni; M = In, Ga) compounds
J. Alloy. Compd. 490, 15 (2010).

5. J. Ivkov, D. Stanić, P. Popčević, A. Smontara, J. Dolinšek , P. Gille
Hall Effect in the Crystalline Orthorombic O-$Al_{13}Co_4$ Approximant To The Decagonal Quasicrystals
Materiali in tehnologije 44, 9 (2010).

6. D. Stanić, P. Popčević, I. Smiljanić, Ž. Bihar, J. Lukatela, B. Leontić, A. Bilušić. I. Batistić, A. Smontara
The Thermal Conductivity of $Al_{73}Mn_{27-X}Fe_x$ Taylor Phases
Materiali in tehnologije 44, 3 (2010).

7. H. Houili, E. Tutiš, R. Izquierdo
Modeling nanoparticle embedded organic memory devices
Org. Electron. 11, 514 (2010).

8. N. Krstulović, S. Milošević
Drilling enhancement by nanosecond-nanosecond collinear dual-pulse laser ablation of titanium in vacuumr
Appl. Surf. Sci. 256, 4142 (2010).

9. Mirta Herak, Marko Miljak, Guy Dhalenne and Alexandre Revcolevschi
Easy plane anisotropy in Bi_2CuO_4
Journal of Physics: Condens. Matter 22, page 026006, 2010

10. I. Balog, K. Uzelac
Equilibriumlike invaded cluster algorithm: Critical exponents and dynamical properties
Phys. Rev. E 81, 041111 (2010).

11. A. Bilić, Ž. Crljen, B. Gumhalter , J.D. Gale, I. Rungger, S. Sanvito
Conductance of a phenylene-vinylene molecular wire: Contact gap and tilt angle dependence
Phys. Rev. B 81, 155101 (2010).

12. C.C. Garcia, A. Murtazin, S. Groh, V. Horvatić, K. Niemax
Characterization of single Au and SiO_2 nano- and microparticles by ICP-OES using monodisperse droplets of standard solutions for calibration
J. Anal. At. Spectrom. 25, 645 (2010).

13. I. Pletikosić, M. Kralj, D. Šokčević, R. Brako, P. Lazić, P. Pervan
Photoemission and density functional theory study of Ir(111); energy band gap mapping
J. Phys.-Condes. Matter 22, 135006 (2010).

14. P. Popčević, A. Smontara, J. Ivkov, M. Wencka, M. Komelj, P. Jeglič, S. Vrtnik, M. Bobnar, Z. Jagličić, B. Bauer, P. Gille, H. Borrmann, U. Burkhardt, Yu. Grin and J. Dolinšek
Anisotropic physical properties of the $Al_{13}Fe_4$ complex intermetallic and its ternary derivative $Al_{13}(Fe,Ni)_4$
Phys. Rev. B 81, 184203 (2010)

15. M. Heggen, M. Feuerbacher, J. Ivkov, P. Popčević, I. Batistić, A. Smontara, M. Jagodič, Z. Jagličić, J. Janovec, M. Wencka and J. Dolinšek
Anisotropic physical properties of the Taylor-phase T-$Al_{72.5}Mn_{21.5}Fe_{6.0}$ complex intermetallic
Phys. Rev. B 81, 184204 (2010)

16. T. Ivek, B. Korin-Hamzić, O. Milat, S. Tomić, C. Clauss, N. Drichko, D. Schweitzer and M. Dressel
Collective Excitations in the Charge-Ordered Phase of ?-$(BEDT\text{-}TTF)_2I_3$
Phys. Rev. Lett. 104, 206406 (2010)

17. I. Batistić, D. Stanić, E. Tutiš,.
Transport and spectral properties of Taylor-phase T-$Al_{73}Mn_{27}$ complex intermetallic.
Croat. Chem. Acta 83, 47 (2010)

18. A. Bilušić, I. Smiljanić, Ž. Bihar, D. Stanić, A. Smontara
Heat Conduction in Complex Metallic Alloys
Croat. Chem. Acta. 83, 21 (2010)

19. J. Ivkov, P. Popčević, J. Dolinšek, P. Gille, P.
Hall effect of the $Al_{13}Fe_4$ decagonal approximant and its ternary extension $Al_{13}(Fe, Ni)_4$
Croat. Chem. Acta. 83, 107 (2010)

20. J. Ivkov, D. Stanić, Z. Jagličić, J. Dolinšek, M. Heggen, M. Feuerbacher
Hall effect of the triclinic $Al_{73}Mn_{27}$ and T-$Al_{73}Mn_{27-x}Pd_x$ (0 ? x ? 6) complex metallic alloys
Croat. Chem. Acta. 83, 11 (2010)

21. J. Lukatela, D. Stanić, P. Popčević, J. Ivkov, J. Dolinšek, P. Gille
Anisotropic transport properties of the orthorombic $Al_{13}Co_4$ decagonal approximant
Croat. Chem. Acta. 83, 27 (2010)

22. P. Popčević, I. Batistić, E. Tutiš, K. Velebit, M. Heggen, M. Feuerbacher
The Generalization of the Kinetic Equations and the Spectral Conductivity Function to Anisotropic Systems: Case T-$Al_{72.5}Mn_{21.5}Fe_6$ Complex Metallic Alloy
Croat. Chem. Acta. 83, 95 (2010)

23. P. Popčević, I. Smiljanić, N. Barišić, A. Smontara, J. Dolinšek, S. Gottlieb-Schönmeyer
Transport properties of $YbCu_{4.4}$ giant-unit-cell metallic compound
Croat. Chem. Acta. 83, 69 (2010)

24. P. Popčević, A. Smontara, J. Dolinšek, P. Gille
Anisotropic transport properties of the $Al_{13}Fe_4$ decagonal approximant
Croat. Chem. Acta. 83, 101 (2010)

25. A. Smontara, J. Dolinšek
Anisotropic Transport Properties of Complex Metallic Alloys
Croat. Chem. Acta. 83, 75 (2010)

26. D. Stanić, J. Ivkov, J. Dolinšek, P. Gille.
Hall coefficient of the Y-Al-Ni-Co decagonal approximant
Croat. Chem. Acta. 83, 7 (2010)

27. D. Stanić, P. Popčević, I. Smiljanić, Ž. Bihar, A. Bilušić, I. Batistić, J. Ivkov, M.Hegen, M. Feurerbacher,
Thermal Conductivity of Taylor Phase Al_3 (Mn, Pd) Complex Metalic Alloys
Croat. Chem. Acta. 83, 81 (2010)

28. E. Tutiš, I. Jurić, I. Batistić
Particle-Energy Distribution and Effective Temperature for the Hopping Transport in One-dimensional Disordered System
Croat. Chem. Acta. 83, 37 (2010)

29. A. Metavitsiadis, X. Zotos, O.S. Barišić, P. Prelovšek P
Thermal transport in a spin-1/2 Heisenberg chain coupled to a magnetic or nonmagnetic impurity
Phys. Rev. B 81, 205101 (2010)

30. B. Gumhalter, P. Lazić, N. Došlić
Excitonic precursor states in ultrafast pump-probe spectroscopies of surface bands
Phys. Status Solidi B - Basic Solid State Phys. 247, 1907 (2010)

31. M. Stipčević, H. Skenderović, D. Gracin
Title: Characterization of a novel avalanche photodiode for single photon detection in VIS-NIR range
Opt. Express 18, 17448 (2010)

32. A. Knežević, K. Šariri K, I. Sović, N. Demoli, Z. Tarle
Shrinkage evaluation of composite polymerized with LED units using laser interferometry
Quintessence Int. 41, 417 (2010)

33. T.A. Costi, V. Zlatić
Thermoelectric transport through strongly correlated quantum dots
Phys. Rev. B 81, 235127 (2010)

34. J. Lago, I. Živković, B.Z. Malkin, J.R. Fernandez, P. Ghigna. P.D:de Reotier, A: Yaouanc, T. Rojo
$CdEr_2Se_4$: A New Erbium Spin Ice System in a Spinel Structure
Phys. Rev. Lett. 104, 247203 (2010)

35. N. Demoli, H. Halaq, D. Vukičević
White light reconstruction of image plane digital holograms
Opt. Express 18, 12675 (2010)

36. P. Popčević, A. Smontara, J. Ivkov, M. Wencka, M. Komelj, P. Jeglil, S. Vrtnik, M. Bobnar, Z. Jagličič, B. Bauer, P. Gille, H. Borrmann, U. Burkhardt, Y. Grin, J. Dolinšek J Anisotropic physical properties of the Al13Fe4 complex intermetallic and its ternary derivative Al-13(Fe, Ni)(4)
Phys. Rev. B 81, 184203 (2010)

37. M. Heggen, M. Feuerbacher, J. Ivkov, P. Popčević, I. Batistić, A. Smontara, M. Jagodič, Z. Jagličić, J. Janovec, M. Wencka, and J. Dolinšek
Anisotropic physical properties of the Taylor-phase T-$Al_{72.5}$ $Mn_{21.5}Fe_{6.0}$ complex intermetallic
Phys. Rev. B 81, 184204 (2010)

38. A. Šiber, R.F. Rajter, RH French, W.Y: Ching, V.A: Parsegian, R. Podgornik
Optically anisotropic infinite cylinder above an optically anisotropic half space: Dispersion interaction of a single-walled carbon nanotube with a substrate
J. Vac. Sci. Technol. B 28, 3416904 (2010)

39. M. Bišćan, Z. Kreg, N. Krstulović, S. Milošević
Time Resolved Spectroscopic Characterization of a-C:H Deposition by Methane and Removal by Oxygen Inductively Coupled RF Plasma
Plasma Chem. Plasma Process. 30, 401 (2010)

40. T. Ivek, B. Korin-Hamzić, O. Milat, S. Tomić, C. Clauss, N. Drichko, D. Schweitzer, M. Dressel M Collective
Excitations in the Charge-Ordered Phase of alpha-(BEDT-TTF)(2)I-3
Phys. Rev. Lett. 104, 206406 (2010)

41. A. Šiber, R. Zandi, R. Podgornik
Thermodynamics of nanospheres encapsulated in virus capsids
Phys. Rev. E 81, 051919 (2010)

41. Miroslav Očko, Sanja Žonja, G. L. Nelson, J. K. Freericks. Lei Yu, N. Newman
Low temperature transport properties of TaxN thin films ($0.72 \leq x \leq 0.83$)
J. Phys. D: Appl. Phys. 43, 445405 (2010)

2011.

1. I. Biljan, M. Kralj, T.M. Radić, V. Svetlicic, H. Vancik.
Dimerization of Nitrosobenzene Derivatives on an Au(111)
J. Phy. Chem. C 115 , 20267 (2011).

2. M. Prester, I. Živković, Đ. Drobac, V. Surija, D. Pajić, H. Berger
Slow magnetic dynamics and hysteresis loops of the bulk ferromagnet Co7(TeO3))4Br6
Phys. Rev. B 84, 064441 (2011).

3. N. Barišić. I. Smiljanić, P. Popčević. A. Bilušić, E. Tutiš, A. Smontara, H. Berger, J. Jačimović, O. Yuli, L. Forro
High-pressure study of transport properties in Co(0.33)NbS(2)
Phys. Rev. B 84, 075157 (2011).

4. M. Kralj, I. Pletikosić, M. Petrović, P. Pervan. M. Milun, A.T. N'Diaye, C. Busse, T. Michely, J. Fujii, I. Vobornik
Graphene on Ir(111) characterized by angle-resolved photoemission
Phys. Rev. B 84, 075427, 15 (2011).

5. D. Dominko, D. Starešnić, K. Salamon, K. Biljaković, A. Tomeljak, H. Schafer, J. Demsar, G. Socol, C. Ristoscu, J.N.. Mihailescu, Z. Siketić, I.B. Radović, G. Pletikapić, V. Svetličić, M. Dekic, H. Samic, J. Marcus
Detection of charge density wave ground state in granular thin films of blue bronze K(0.3)MoO(3) by femtosecond spectroscopy
J. Appl. Phys. 014907 (2011).

6. M. Očko, S. Zonja, I. Aviani, E.D. Bauer, J.L. Sarrao
Transport properties of the YbAl(3) compound: On the energy scales of YbAl(3) from thermopower data
J. Alloys Comp. 25, 6999 (2011).

7. A. Leforestier, A. Šiber, F. Livolant, R. Podgornik
Protein-DNA Interactions Determine the Shapes of DNA Toroids Condensed in Virus Capsids
Biophys. Journal 100, 2209 (2011).

8. T. Ivek, B. Korin-Hamzić, O. Milat, S. Tomić, C. Clauss, N. Drichko, D. Schweitzer, M. Dressel
Electrodynamic response of the charge ordering phase: Dielectric and optical studies of alpha-(BEDT-TTF)2
Phys. Rev. B 83, 165128 (2011).

9. A.L. Božič, A. Šiber, R. Podgornik
Electrostatic self-energy of a partially formed spherical shell in salt solution: Application to

stability of tethered and fluid shells as models for viruses and vesicles
Phys. Rev. E 83, 041916, (2011).

10. J. Szavits-Nossan, K. Uzelac
Absence of phase coexistence in disordered exclusion processes with bypassing
J. Statistical Mechanics-Theory and Experiment , P05030 (2011).

11. P. Dubček, B. Pivac, S. Milošević, N. Krstulović, Z. Kregar, S. Bernstorff
Pulsed laser ablation of GaAs using nano pulse length
Appl. Surface Sci. 257, 5358 (2011).

12. P. Gille, B. Bauer, M. Hahne, A. Smontara, J.; Dolinsek
Single crystal growth of Al-based intermetallic phases being approximants to quasicrystals
J. Anal. At. Spectrom. 25, 645 (2011).

13. A. Foltynowicz, P. Maslowski, T. Ban, F. Adler, K.C. Cossel, T.C: Briles, J. Ye
Optical frequency comb spectroscopy
Faraday Disc 150, 23 (2011).

14.A. Das Arulsamy, Z. Kregar, K. Eleršić, M. Modić, U.S . Subramani
Polarization induced water molecule dissociation below the first-order electronic-phase transition temperature
Phys. Chem. Chem. Phys. 13, 15175(2011)

15. J. Ivkov, P. Popčević, D. Stanić, B. Bauer, P. Gille, J. Dolinšek, A. Smontara
Anisotropic Hall effect in Al13TM4 approximants
Phylosophical Mag. 91, 2739 (2011)

16. A. Smontara, P. Popčević, D. Stanić, K. Velebit, J. Dolinšek
Anisotropic transport properties of the Al13TM4 and T-Al-Mn-Fe complex metallic alloys
Phylosophical Mag 91, 2746 (2011)

17. A. Šiber, H. Buljan
Theoretical and experimental analysis of a thin elastic cylindrical tube acting as a non-Hookean spring
Phys. Rev. E 83, 067601 (2011)

18. S.B. Olenici-Craciunescu, S. Muller, A. Michels, V. Horvatic, Č. Vadla, J. Franzke
Spatially resolved spectroscopic measurements of a dielectric barrier discharge plasma jet applicable for soft ionization
Spect. Acta Part B-Atomic Spectroscopy 66, 268 (2011)

19. T. Vuletić, S.D. Babić, D. Grgičin, D. Aumiler, J. Raedler, F. Livolant, S. Tomić
Manning free counterion fraction for a rodlike polyion: Aqueous solutions of short DNA

fragments in presence of very low added salt
Phys. Rev. E 83, 041803 (2011)

20. T. Muramatsu, T . Kanemasa, T. Kagayama, N. Shimizu, Y. Aoki, H. Sato, M. Giovannini, P. Bonville, V. Zlatić, I. Aviani, R. Khasanov, C. Rusu, A. Amato, K. Mydeen, M. Nicklas, H. Michor, E. Bauer
Reentrant quantum criticality in Yb2Pd2Sn
Phys. Rev. B 83, 180404 (2011)

21. M. Herak
Cubic magnetic anisotropy of the antiferromagnetically ordered Cu3TeO6
Solid State Comm. 151, 1588 (2011)

22. Y. Wang, X. Ma, S. Vdović, L. Yan, X. Wang, Q. Guo, A. Xia
Photophysical Property of Photoactive Molecules with Multibranched Push-Pull Structures
Chinese journal of chemical physics 24, 563 (2011)

23. V. Schoeps, V. Zlatic, T. A. Costi
Thermoelectric effects in correlated quantum dots and molecules'
J. Phys. ConF. Series 273, 012155 (2011)

24. M. Rakić, G. Pichler
Comparison of visible and infrared spectrum of light sources
Optics Commun. 284, 2881 (2011)

25. P. Popčević, D. Stanić, Ž. Bihar, A. Bilušić, A. Smontara
Heat transport in aluminum based quasicrystals i-AlPdMn, i-AlCuFe, and d-AlCoNi.
Israel journal of chemistry 51, 11-12 (2011)

26. S.Tomić, D. Grgicin, T. Ivek, S. Dolanski Babič, T.Vuletić, G. Pabst, R. Podgornik
Dynamics and Structure of Biopolyelectrolytes characterized by Dielectric Spectroscopy
Macromolecular Symposia 305, 43 (2011).

27. A. Foltynowicz,T. Ban,P. Masłowski,F. Adler and J. Ye
Quantum-Noise-Limited Optical Frequency Comb Spectroscopy
Phys. Rev. Lett. 107, 233002 (2011).

28. M. Herak, A. Zorko, D. Arčon, A. Potočnik, J. van Tol, A. Ozarowski, H. Berger
Symmetric and antisymmetric exchange anisotropies in quasi-one-dimensional CuSe2O5 as revealed by ESR
Phys. Rev. B 84, 184436 (2011)

29. Z. Kregar, M. Bišćan, S. Milošević, A. Vesel
Monitoring Oxygen Plasma Treatment of Polypropylene With Optical Emission Spectroscopy.

IEEE Trans. Plasma Sci. 39, 1239 (2011).

30. Z. Kregar, S. Milošević, A. Vesel
Optical Emission From Oxygen Plasma in E and H Modes
IEEE Trans. Plasma Sci. 39, 2502 (2011)

31. J. Dolinšek, A. Smontara
Decagonal Quasicrystals and Approximants: Two-Dimensional or Three-Dimensional Solids?
Israel journal of chemistry 51, 11-12 (2011) ¸

32. M. Buljan, I. Bogdanovic-Radović, M. Karlušić, U.V. Desnica, N. Radic, M. Jakšić, K. Salamon, G. Dražić, S. Bernstorff, V. Holy,
Design of quantum dot lattices in amorphous matrices by ion beam irradiation
Phys. Rev. B 84, 155312 (2011)

33. A. Turković, P. Dubček, K. Juraić, M. Rakić, S. Bernstorff
SAXS/DSC/WAXD Study of γ -irradiated Polymer Electrolyte for Zn Rechargeable Nanostructured Galvanic Cells
Journal of Inorganic and organometallic polymers and materials 21, 706 (2011)

2012

WEB OF SCIENCE

1. D. Aumiler and T. Ban,
Simultaneous laser cooling of multiple atomic species using an optical frequency comb,
Phys. Rev. A **85**, 063412 (7pp) (2012).

2. Balog and K. Uzelac,
Inhomogeneities on all scales at a phase transition altered by disorder,
Phys. Rev. E **85**, 030101 (5pp) (2012).

3. Balog and K. Uzelac,
Quenched disorder: Demixing thermal and disorder fluctuations,
Phys. Rev E **86**, 061124 (14pp) (2012).

4. O. S. Barišić and O. Barišić,
Bipolarons and polarons in the Holstein-Hubbard model: analogies and differences,
Eur. Phys. J. B **85**, 111 (12pp) (2012).

5. S. Barišić and O. S. Barišić,
Approaching Large U-d High-T-c Cuprates from the Covalent Side,
J. Supercond. Nov. Magn. **25**, 669-676 (2012).

6. K. Biljaković, D. Starešinić, J. C. Lasjaunias, G. Remenyi, R. Melin, P. Monceau, and S. Sahling,
Charge density glass dynamics - Soft potentials and soft modes,
Physica B **407**, 1741-1745 (2012).

7. M. Bišćan and S. Milošević,
Expansion and backscattering of laser produced Fe plasma plume for soft ionization,
Spect. Acta Part B-Atomic Spectroscopy **68**, 34-39 (2012).

8. M. Bobnar, P. Jeglič, A. Klanjšek, Z. Jagličič, M. Wencka, P. Popčević, J. Ivkov, D. Stanić, A. Smontara, P. Gille, and J. Dolinšek,
Intrinsic anisotropic magnetic, electrical, and thermal transport properties of d-Al-Co-Ni decagonal quasicrystals,
Phys. Rev. E **85**, 024205 (11pp) (2012).

9. L. Božič, A. Šiber, and R. Podgornik
How simple can a model of an empty viral capsid be ? Charge distributions in viral capsids,
J. Biol. Phys. **30**, 657-671 (2012).

10. M. Buljan, M. Karlušić, I. Bogdanović-Radović, M. Jakšić, K. Salamon, S. Bernstorff, and N. Radić,
Determination of ion track radii in amorphous matrices via formation of nano-clusters by ion-beam irradiation,
Appl. Phys. Lett. **101**, 103112 (4pp) (2012).

11. T. A. Costi and V. Zlatić,
Charge Kondo Anomalies in PbTe Doped with Tl Impurities,
Phys. Rev. Lett. **108**, 036402 (5pp) (2012).

12. O. Grulich, Z. Kregar, M. Modic, A. Vesel, U. Cvelbar, A. Mracek, and P. Ponizil,
Treatment and Stability of Sodium Hyaluronate Films in Low Temperature Inductively Coupled Ammonia Plasma,
Plasma Chem. Plasma Process. **32**, 1075-1091 (2012).

13. B. Gumhalter,
Multiphonon atom-surface scattering from corrugated surfaces: derivation of the inelastic scattering spectrum for diffraction states,
J. Phys.-Condes. Matter **24**, 104015 (10pp) (2012).

14. B. Gumhalter,
Stages of hot electron dynamics in multiexcitation processes at surfaces: General properties and benchmark examples,
Prog. Surface Sci. **87**, 163-188 (2012).

15. C. R. S. Haines, N. Marcano, R. P. Smith, I. Aviani, J. L. Espeso, J. C. Gómez Sal, and S. S. Saxena,

Complex magnetic states of the heavy fermion compound CeGe,
Low Temp. Phys. **38**, 821-827 (2012).

16. V. Ilakovac, C. Gougoussis, M. Calandra, N. B. Brookes, V. Bisogni, S. G. Chiuzbaian, J. Akimitsu, O. Milat, S. Tomić, and C. F. Hague,
Hole depletion of ladders in Sr14Cu24O41 induced by correlation effects,
Phys. Rev. B **85**, 075108 (6pp) (2012).

17. T. Ivek, I. Kovačević, M. Pinterić, B. Korin-Hamzić, S.Tomić, T. Knoblauch, D. Schweitzer, and M. Dressel,
Cooperative dynamics in charge-ordered state of alpha-(BEDT-TTF)(2)I-3,
Phys. Rev. B **86**, 245125 (6pp) (2012).

18. S. Jazbec, P. Koželj, S. Vrtnik, Z. Jagličić, P. Popčević, J. Ivkov, D. Stanić, A. Smontara, M. Feuerbacher, and J. Dolinšek,
Electrical, magnetic, and thermal properties of the delta-FeZn10 complex intermetallic phase,
Phys. Rev. B **86**, 064205 (8pp) (2012).

19. M. Klanjšek, A. Gradišek, A. Kocjan, M. Bobnar, P. Jeglič, M. Wencka, Z. Jagličić, P. Popčević, J. Ivkov, A. Smontara, P. Gille, M. Armbrüester, Yu Grin, and J. Dolinšek,
PdGa intermetallic hydrogenation catalyst: an NMR and physical property study,
J. Phys.-Condes. Matter **24**, 085703 (9pp) (2012).

20. Z. Kregar, M. Bišćan, S. Milošević, K. Eleršič, R. Zaplotnik, G. Primc, and U. Cvelbar,
Optical emission characterization of extremely reactive oxygen plasma during treatment of graphite samples,
Mater. Tehnol. **46**, 25-30 (2012).

21. Z. Kregar, M. Bišćan, S. Milošević, M. Mozetič, and A. Vesel,
Interaction of Argon, Hydrogen and Oxygen Plasma Early Afterglow with Polyvinyl Chloride (PVC) Materials,
Plasma Process. Polym. **9**, 1020-1027 (2012).

22. P. Lazić, N. Atodiresei, V. Caciuc, R. Brako, B. Gumhalter, and S. Blügel,
Rationale for switching to nonlocal functionals in density functional theory,
J. Phys.-Condes. Matter **24**, 424215 (8pp) (2012).

23. S. Marion and B. Gumhalter,
Electron scattering by random adsorbates: A tunable decoherence mechanism in surface bands,
Phys. Status Solidi B-Basic Solid State Phys. **249** (6), 1218-1223 (2012).

24. D. Niesner, Th. Fauster, J. I. Dadap, N. Zaki, K. R. Knox, , P. -C. Yeh, R. Bhandari, R. M. Osgood, M. Petrović, and M. Kralj,
Trapping surface electrons on graphene layers and islands,
Phys. Rev. B **85**, 081402 (5pp) (2012).

25. G. Nikšić, O. S. Barišić, I. Kupčić, D. K. Sunko, and S. Barišić,
Effects of in-plane oxygens on the magnetic response in cuprates,
Physica B **407**, 1831-1834 (2012).

26. M. Očko, Z. Samardžija, S. Žonja, and I. Aviani,
Structural and electronic properties of the highly concentrated UxY1-xRu2Si2 alloy system,
J. Alloy. Compd. **512**, 79-84 (2012).

27. D. Pajić, Ž. Marohnić, Đ. Drobac, K. Zadro, R. Ristić, and E. Babić,
Evolution of magnetism in Hf-Fe metallic glasses,
J. Alloy. Compd. **536**, S370-S373 (2012).

28. Pletikosić, M. Kralj, M. Milun, and P. Pervan,
Finding the bare band: Electron coupling to two phonon modes in potassium-doped graphene on Ir(111),
Phys. Rev. B **85**, 155447 (7pp) (2012).

29. M. M. Ristova, A. Gligorova, I. Nasov, D. Gracin, M. Milun, H. Kostadinova-Boskova, and R. Popeski-Dimovski,
TiO2 Coating for SnO2:F Films Produced by Filtered Cathodic Arc Evaporation for Improved Resistance to H+ Radical Exposure,
J. Electron. Mater. **41**

30. K. Sedlmeier, S. Elsässer, D. Neubauer, R. Beyer, D. Wu, T. Ivek, S. Tomić, J. A. Schlueter, and M. Dressel,
Absence of charge order in the dimerized kappa-phase BEDT-TTF salts,
Phys. Rev. B **86**, 245103 (10pp) (2012).

31. D. Starešinić, D. Dominko, K. Salamon, K. Biljaković, A. Tomeljak, H. Schäfer, T. Huber, J. Demšar, G. Socol, C. Ristoscu, I. N. Mihailescu, Z. Siketić, I. Bogdanović Radović, G. Pletikapić, V. Svetličić, M. Đekić, , H. Šamić, and J. Marcus,
Charge density waves in nanocrystalline thin films of blue bronze K0.3MoO3,
Physica B **407**, 1889-1893 (2012).

32. M. S. Surić, Z. Vučić, I. Prlić, I. Lulić, and T. Meštrović,
Radiation measurements around X-ray cabinet systems,
Radiat. Prot. Dosim. **150**, 375-380 (2012).

33. Šiber, A. L. Božič, and R. Podgornik,
Energies and pressures in viruses: contribution of nonspecific electrostatic interactions,
Phys. Chem. Chem. Phys. **14**, 3746-3765 (2012).

34. E. Tafra, M. Čulo, M. Basletić, B. Korin-Hamzić, A. Hamzić, and C. S. Jacobsen,
The Hall effect in the organic conductor TTF-TCNQ: choice of geometry for accurate

measurements of a highly anisotropic system,
J. Phys.-Condes. Matter **24**, 045602 (6pp) (2012).

35. S. Tomić, D. Grgicin, T. Ivek, T. Vuletić, S. D. Babić, and R. Podgornik,
Dynamics and structure of biopolyelectrolytes in repulsion regime characterized by dielectric spectroscopy,
Physica B **407**, 1958-1963 (2012).

36. V. M. Trontl, I. Pletikosić, M. Milun, and P. Pervan,
Temperature dependence of photo-hole decay in 4d derived Quantum Well States in monolayer Ag(111) films on Pd(111), Ni(111), Mo(110) and Cu(100),
Surface Sci. **506**, 840-845 (2012).

37. Turković, P. Dubček, M. Rakić, M. Lončarić, B. Etlinger, and S. Bernstorff
SAXS/DSC/WAXD study of TiO2 nanoparticles and the effect of gamma-radiation on nanopolymer electrolyte,
Vacuum **86**, 750-753 (2012).

38. M. Vrankić, B. Gržeta, V. Mandić, E. Tkalčec, S. Milošević, M. Čeh, and B. Rakvin,
Structure, microstructure and photoluminescence of nanocrystalline ti-doped gahnite,
J. Alloy. Compd. **543**, 213-220 (2012).

39. J. S. White, I. Levatić, A. A. Omrani, N. Egetenmeyer, K. Prša, I. Živković, J. L. Gavilano, J. Kohlbrecher, H. Berger, and H. M. Ronnow,
Electric field control of the skyrmion lattice in Cu2OSeO3,
J. Phys.-Condes. Matter **24**, 432201 (7pp) (2012).

40. L. Yan, X. Chen, Q. He, Y. Wang, X. Wang, Q. Guo, F. Bai, A. Xia, D. Aumiler, S. Vdović, and S. Lin,
Localized Emitting State and Energy Transfer Properties of Quadrupolar Chromophores and (Multi)Branched Derivatives,
J. Phys. Chem. **116**, 8693-8705 (2012).

41. V. Zlatić and J. K. Freericks,
Strongly Enhanced Thermal Transport in a Lightly Doped Mott Insulator at Low Temperature,
Phys. Rev. Lett. **109**, 266601 (5pp) (2012).

42. Živković, D. M. Djokić, M. Herak, D. Pajić, K. Prša, P. Pattison, D. Dominko, Z Micković, D. Cinčić, L. Forro, H. Berger, and H. M. Ronnow,
Site-selective quantum correlations revealed by magnetic anisotropy in the tetramer system SeCuO,
Phys. Rev. B **86**, 054405 (9pp) (2012).

43. Živković, D. Pajić, T. Ivek, and H. Berger,
Two-step transition in a magnetoelectric ferrimagnet Cu2OSeO3,
Phys. Rev. B **85**, 224402 (7pp) (2012).

SCOPUS

1. S. Milošević,
   Laser produced plasma diagnostics by cavity ringdown spectroscopy and applications,
   in AIP Con. Proc.1438 (2012), pp. 149-154.

2. M. Očko, S. Žonja, and M. Ivanda,
   Role of the substrate and the temperature of deposition on the properties of the Ta xN thin films,
   in MIPRO 2012 - 35th International Convention on Information and Communication Technology, Electronics and Microelectronics – Proceedings (2012), pp. 17-18.

3. S. Žonja, M. Očko, M. Ivanda, T. Suligoj, and P. Biljanović,
   On the application of boron and phosphorus heavily doped LPCVD polycrystalline silicon thin films as thermoelectric materials,
   in MIPRO 2012 - 35th International Convention on Information and Communication Technology, Electronics and Microelectronics – Proceedings (2012), pp. 19-20.

PATENTI

1. M. Prester and Đ. Drobac,
   Cryostat with PTR cooling and two stage sample holder thermalization,
   HR. Patent No. WO 212/127255 A3 (27 September, 2012).

UREDNIČKE KNJIGE

1. Balog, O. S. Barišić, and A. Smontara,
   editors in *Physics of Low-dimensional Conductors: Problem and Perspectives: Program and Abstracts*,
   March 25-28, 2012. (Institute of Physics, Zagreb, 2012)

2. Smontara,
   editor in *Modulation & Nanostructuring in Layered Materials: Program and Abstracts*,
   March 25-28, 2012. (Institute of Physics, Zagreb, 2012)

3. Hozić and T. Vuletić,
   editors in *Book of Abstracts of the 11th Greta Pifat Mrzljak International School of Biophysics: Biomolecular Complexes and Assemblies*,
   Primošten, Croatia, 30.9. – 9.10.2012. (Ruđer Bošković Institute and Croatian Biophysical Society, Zagreb, 2012)

POGLAVLJE U KNJIZI

1. M. Kralj and K. Wandelt,
   in *Surface and Interface Science. Volume 1 : Concepts and Methods*,
   edited by K. Wandelt (Wiley-VCH, Weinheim, 2012), pp. 73-92.

UDŽBENICI I SKIRIPTE

1. Šiber,
Molekularna biozika