

## Publikationsliste:

82 Originalarbeiten ( 14 als Erstautor, 30 als zweiter Autor, 15 als letzter Autor)  
darunter zwei Nature, ein Nature Physics und 21 Physical Review Letters.

1. X-Ray emission and photoelectron spectra and the electronic structure of  $Dy_{1-x}Tb_xFe_2$   
S. V. Borisenko, V. N. Uvarov, V. V. Nemoshkalenko, K. Ullakko, A.I. Senkevich  
Phys. Metals, 14, N12, p.1348-1351 (1995)
2. Spectroscopy of characteristic electron energy losses and of inverse photoemission  
of metal oxides. Review  
V. V. Nemoshkalenko, V. N. Uvarov, S. V. Borisenko  
Met. Phys. and Adv. Tech., 15, p. 421-465 (1995)
3. X-Ray emission and photoelectron spectroscopy study and the electronic structure of  
the  $Dy_{1-x}Tb_xFe_2$  ( $x=0.0, 0.5, 1.0$ )  
V. V. Nemoshkalenko, V. N. Uvarov, S. V. Borisenko  
J. Electron Spectrosc. Relat. Phenom., N76, p.641-646 (1995)
4. Electronic Structure, X-Ray Emission and Photoelectron Spectra of the  
Magnetostrictive Alloys  $Dy_{1-x}Tb_xFe_2$  ( $x=0.0, 0.5, 1.0$ ) and of Some Tb, Dy Oxides  
V. V. Nemoshkalenko, V. N. Uvarov, S. V. Borisenko, A. I. Senkevich, V. D.  
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Met. Phys. and Adv. Tech., 15, p.1015-1025 (1996)
5. Theoretical and Experimental Investigation of the Electronic Structure and X-Ray  
Emission Spectra of  $Fe_4N$  and  $Fe_4C$   
A. G. Vakhney, V. N. Antonov, A. N. Yaresko, V. V. Nemoshkalenko, V. N. Uvarov, S.  
V. Borisenko  
Met. Phys. and Adv. Tech., 16, p.723-733 (1997)
6. Salient features of the crystalline and electronic structure of  $Re_2Ti_2O_7$  Oxides  
V. V. Nemoshkalenko, S. V. Borisenko, V. N. Uvarov, T. N. Bondarenko, A. N. Yaresko  
Metallofizika i noveishie tehnologii, 19, N10, p.74-79 (1997)
7. A study of atomic charge states in oxides  $Ln_2Ti_2O_7$  ( $Ln=Eu, Gd, Tb, Dy$ )  
V. V. Nemoshkalenko, S. V. Borisenko, V. N. Uvarov, T. N. Bondarenko, A. N. Yaresko,  
A. M. Sych, Yu. A. Titov  
Metallofizika i noveishie tehnologii, 20, N3, p.15-18 (1998)
8. The Peculiarities of the Crystal and Electronic Structure of the Zirkonolite Type  
Compounds  $Ln_2Ti_2O_7$  ( $Ln=Rare\ Earth\ Elements$ )  
V. V. Nemoshkalenko, V. N. Uvarov, S. V. Borisenko, A. I. Senkevich, T. N.  
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J. Electron Spectrosc. Relat. Phenom., N88-91, p.385-390 (1998)
9. Phase Transformations in Oxides  $Sm_2Ti_2O_7$ ,  $Eu_2Ti_2O_7$  and their electronic structure  
T. N. Bondarenko, V. N. Uvarov, S. V. Borisenko, Yu. A. Teterin, V. P. Dzeganzovskii, A.  
M. Sych, Yu. A. Titov  
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10. Electronic structure of the oxides  $\text{Ln}_2\text{Ti}_2\text{O}_7$  with pyrochlore type structure  
T.N.Bondarenko, S.V.Borisenko, V.N.Uvarov et al.  
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11. Photoemissionsspektroskopie an Supraleitern  
M. S. Golden, M. Knupfer, S. V. Borisenko, J. Fink  
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12. Fermi surface mapping of Bi-2212 using high resolution angle-scanned photoemission  
M.S. Golden, S.V. Borisenko, S. Legner, T. Pichler, C. Dürr, M. Knupfer and J. Fink  
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13. The topology of the Fermi surface of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  - from angle resolved photoemission  
M. S. Golden, S. V. Borisenko, S. Legner, T. Pichler, C. Dürr, M. Knupfer, J. Fink et al.,  
Physica C: Superconductivity, Vol. 341-348 (1-4), p. 2099-2102 (2000)
14. Joys and pitfalls of fermi surface mapping in BSCCO using angle resolved photoemission  
S. V. Borisenko, M. S. Golden, S. Legner, T. Pichler, C. Dürr, M. Knupfer, J. Fink et al.  
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15. Valence-band excitations in  $\text{V}_2\text{O}_5$   
S. Atzkern, S.V. Borisenko, M. Knupfer, M.S. Golden, J. Fink et al.  
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16. Normal-state Fermi surface of pristine and Pb-doped BSCCO from ahgle-resolved photoemission measurements and its photon energy independence  
S. Legner, S. V. Borisenko, C. Dürr, T. Pichler, M. Knupfer, M. S. Golden, J. Fink et al.  
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17. Features of an electronic structure of oxide  $\text{LaNiO}_3$ , possessing metallic-type conductivity  
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18. Electronic structure of the  $\text{R}_2\text{Ti}_2\text{O}_7$  (R=Sm-Er, Yb, Lu) oxides  
V.V. Nemoshkalenko, S.V. Borisenko, V.N. Uvarov et al.  
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19. The electronic structure of cuprates from high energy spectroscopy  
M. S. Golden, C. Dürr, A. Koitzsch, S. Legner, Z. Hu, S. V. Borisenko, M. Knupfer and J. Fink  
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20. Angle-resolved photoemission spectroscopy of  $\text{Sr}_2\text{CuO}_2\text{Cl}_2$

- C. Dürr, S. Legner, R. Hayn, S. V. Borisenko, Z. Hu, A. Theresiak, M. Knupfer, M. S. Golden, J. Fink et al.  
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21. Estimation of matrix element effects and determination of the Fermi surface in BSCCO systems using angle-resolved photoemission spectroscopy  
S.V. Borisenko, A. Kordyuk, S. Legner, C. Dürr, M. Knupfer, M.S. Golden, J. Fink et al.  
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22. Doping dependence of the Fermi surface in  $(\text{Bi, Pb})_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$   
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23. Origin of the Peak-Dip-Hump Line Shape in the Superconducting-State  $(\delta, 0)$  Photoemission Spectra of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$   
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24. Superconducting gap in the presence of bilayer splitting in underdoped  $(\text{Pb,Bi})_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+d}$   
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25. Spin states of atoms in oxides  $\text{Ln}_2\text{Ti}_2\text{O}_7$  (Ln=Sm-Lu)  
V. N. Uvarov, V. V. Nemoshkalenko, S. V. Borisenko, et al.  
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26. Measuring the gap in ARPES experiments  
A. A. Kordyuk, S. V. Borisenko, M. Knupfer, J. Fink  
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27. Anomalous Enhancement of the Coupling to the Magnetic Resonance Mode in Underdoped Pb-Bi2212  
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T. K. Kim, A. A. Kordyuk, S.V. Borisenko, A. Koitzsch, M. Knupfer, H. Berger, J. Fink  
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A. Koitzsch, S. V. Borisenko, A. A. Kordyuk, T. K. Kim, M. Knupfer, J. Fink, H. Berger, and R. Follath  
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30. Manifestation of the magnetic resonance mode in the nodal quasiparticle lifetime in superconducting cuprates  
A. Kordyuk, S. V. Borisenko, A. Koitzsch, J. Fink, M. Knupfer, B. Buechner, H. Berger, G. Margaritondo, C. T. Lin, B. Keimer, S. Ono, and Yoichi Ando  
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31. Origin of the shadow Fermi surface in Bi-based cuprates  
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32. Circular dichroism and bilayer splitting in the normal state of underdoped (Pb,Bi)<sub>2</sub>Sr<sub>2</sub>(Ca<sub>x</sub>Y<sub>[1-x]</sub>)Cu<sub>2</sub>O(8+d) and overdoped (Pb,Bi)<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O(8+d)  
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33. Circular dichroism in angle-resolved photoemission spectra of under- and overdoped Pb-Bi<sub>2</sub>212  
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36. Excitation energy dependence of the ARPES intensity in Pb-doped and pristine Bi-2212  
S. V. Borisenko, T. K. Kim, A. A. Kordyuk, M. Knupfer, J. Fink, J. E. Gayone, Ph. Hofmann, H. Berger, B. Liang, A. Maljuk, C. T. Lin  
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37. Change of quasiparticle dispersion in crossing T<sub>c</sub> in the underdoped cuprates  
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39. Evidence against a charge density wave on Bi(111)

- T.K. Kim, J. Wells, C. Kirkegaard, Z. Li, S.V. Hoffmann, J.E. Gayone, I. Fernandez-Torrente, P. Haberle, J.I. Pascual, K.T. Moore, A.J. Schwartz, H. He, J.C.H. Spence, K.H. Downing, S. Lazar, F.D. Tichelaar, S.V. Borisenko, M. Knupfer, Ph.Hofmann, Phys. Rev. B 72, 085440 (2005).
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A. A. Kordyuk, S. V. Borisenko, A. Koitzsch, J. Fink, M. Knupfer, B. Buechner, H. Berger  
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41. Parity of the Pairing Bosons in a High-Temperature Superconductor  
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46. Current spinon-holon description of the one-dimensional charge-transfer insulator SrCuO<sub>2</sub>: Angle-resolved photoemission measurements  
A. Koitzsch, S. V. Borisenko, J. Geck, V. B. Zabolotnyy, M. Knupfer, J. Fink, P. Ribeiro, B. Buchner, and R. Follath  
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47. Stripe Correlations in Na<sub>0.75</sub>CoO<sub>2</sub>  
J. Geck, M. v. Zimmermann, H. Berger, S. V. Borisenko, H. Eschrig, K. Koepernik, M. Knupfer, and B. Buchner  
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48. Unadulterated spectral function of low-energy quasiparticles in Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+ $\delta$</sub>   
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50. Anomalous surface overdoping as a clue to the puzzling electronic structure of YBCO-123  
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51. Effect of Zn and Ni impurities on the quasiparticle renormalization in Bi2Sr2CaCu2O8+ $\delta$   
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52. About the relation between the quasiparticle Green's function in cuprates obtained from ARPES data and the magnetic susceptibility  
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53. From tunneling to photoemission: Correlating two spaces  
A. A. Kordyuk, V. B. Zabolotnyy, D.S. Inosov, S.V. Borisenko  
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55. Anomalous Quasiparticle Renormalization in Na0.73CoO2: Role of Interorbital Interactions and Magnetic Correlations  
J. Geck, S. V. Borisenko, H. Berger, H. Eschrig, J. Fink, M. Knupfer, K. Koepernik, A. Koitzsch, A. A. Kordyuk, V. B. Zabolotnyy, and B. Büchner  
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56. Momentum and temperature dependence of renormalization effects in the high-temperature superconductor YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>   
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57. Momentum and excitation energy dependence of the "waterfalls" in cuprates  
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V. Arpiainen, V. Zabolotnyy, A. A. Kordyuk, S. V. Borisenko, and M. Lindroos  
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59. Pseudogap and charge density waves in two dimensions  
S.V. Borisenko, A.A. Kordyuk, A.N. Yaresko, V. B. Zabolotnyy, D. S. Inosov, R. Schuster, B. Buechner, R. Follath, R. Weber, L. Patthey, H. Berger  
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60. Hybridization effects in  $\text{CeCoIn}_5$  observed by angle-resolved photoemission  
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61. Fermi surface nesting in several transition metal dichalcogenides  
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63. Excitation energy map of high-energy dispersion anomalies in cuprates  
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64. Valence band and core level spectroscopy of  $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$   
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65.  $(\pi, \pi)$ -electronic order in iron arsenide superconductors.  
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66. Strength of the spin-fluctuation-mediated pairing interaction in a high-temperature superconductor.  
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68. Momentum dependence of the superconducting gap in  $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$

D. V. Evtushinsky, D. S. Inosov, V. B. Zabolotnyy, A. Koitzsch, M. Knupfer, B. Büchner, M. S. Viazovska, G. L. Sun, V. Hinkov, A. V. Boris, C. T. Lin, B. Keimer, A. Varykhalov, A. A. Kordyuk, and S. V. Borisenko

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Darüber hinaus bin ich Mitautor von 8 „Highlights“ (3 als Erstautor) in Jahresberichten vom IFW-Dresden und Synchrotronen und Erstautor von mehr als 20 erfolgreichen Messzeitanträgen.