

Neven Biskup

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	SnSe:Kx intermetallic thermoelectric polycrystals prepared by arc-melting. Journal of Materials Science, 2022, 57, 8489-8503.	1.7	6
2	Electrodeposition of Hybrid Magnetostrictive/Magnetoelectric Layered Systems. Materials, 2021, 14, 6304.	1.3	0
3	Enhanced stability in CH ₃ NH ₃ PbI ₃ hybrid perovskite from mechano-chemical synthesis: structural, microstructural and optoelectronic characterization. Scientific Reports, 2020, 10, 11228.	1.6	19
4	Unveiling the Correlation between the Crystalline Structure of M-Filled CoSb ₃ (M = Y, K), Tj ETQq0 0.0 rgBT /Overlock 10 2020, 30, 2001651.	7.8	31
5	Evidence of nanostructuring and reduced thermal conductivity in n-type Sb-alloyed SnSe thermoelectric polycrystals. Journal of Applied Physics, 2019, 126, .	1.1	28
6	Substantial thermal conductivity reduction in mischmetal skutterudites Mm _x Co ₄ Sb ₁₂ prepared under high-pressure conditions, due to uneven distribution of the rare-earth elements. Journal of Materials Chemistry C, 2019, 7, 4124-4131.	2.7	21
7	$C_{2u}3$	1.1	12
8	Influence of Nanostructuring on PbTe Alloys Synthesized by Arc-Melting. Materials, 2019, 12, 3783.	1.3	9
9	Electrochemical Intercalation of Calcium and Magnesium in TiS ₂ : Fundamental Studies Related to Multivalent Battery Applications. Chemistry of Materials, 2018, 30, 847-856.	3.2	105
10	Low thermal conductivity in La-filled cobalt antimonide skutterudites with an inhomogeneous filling factor prepared under high-pressure conditions. Journal of Materials Chemistry A, 2018, 6, 118-126.	5.2	30
11	Thermal Conductivity Reduction by Fluctuation of the Filling Fraction in Filled Cobalt Antimonide Skutterudite Thermoelectrics. ACS Applied Energy Materials, 2018, 1, 6181-6189.	2.5	15
12	Investigation of the Out of Plane Component of the Magnetization of [Fe ₇₂ Ga ₂₈ (xÅnm)/Tb ₃₃ Fe ₆₇ (50Ånm)] ₂ Multilayers. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800183.	0.8	2
13	Applications of STEM-EELS to complex oxides. Materials Science in Semiconductor Processing, 2017, 65, 49-63.	1.9	35
14	Glass-Like Through-Plane Thermal Conductivity Induced by Oxygen Vacancies in Nanoscale Epitaxial La _{0.5} Sr _{0.5} CoO ₃ . Advanced Functional Materials, 2017, 27, 1704233.	7.8	24
15	Superconductivity and charge-carrier localization in ultrathin La Physical Review B, 2017, 95, .	1.85	11
16	Enhanced figure of merit in nanostructured (Bi,Sb) ₂ Te ₃ with optimized composition, prepared by a straightforward arc-melting procedure. Scientific Reports, 2017, 7, 6277.	1.6	41
17	Structural, magnetic and electronic properties of pulsed-laser-deposition grown SrFeO ₃ thin films and SrFeO ₃ /La _{2/3} Ca _{1/3} MnO ₃ multilayers. Journal of Physics Condensed Matter, 2017, 29, 495601.	0.7	3
18	Electrical Switching of Magnetization in the Artificial Multiferroic CoFeB/BaTiO ₃ . Advanced Electronic Materials, 2016, 2, 1600085.	2.6	25

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19	A Joint Computational and Experimental Evaluation of CaMn_2O_4 Polymorphs as Cathode Materials for Ca Ion Batteries. Chemistry of Materials, 2016, 28, 6886-6893.	3.2	80
20	X-ray absorption study of the ferromagnetic Cu moment at the $\text{YBa}_2\text{Cu}_3\text{O}_7$ interface. Physical Review B, 2016, 93, .	1.1	10
21	Granular superconductivity and magnetic-field-driven recovery of macroscopic coherence in a cuprate/manganite multilayer. Physical Review B, 2016, 94, .	1.1	11
22	Long-range ferromagnetic order in LaCoO_3 films due to the interplay of epitaxial strain and oxygen vacancy ordering. Physical Review B, 2015, 91, .	1.1	10
23	Atomic-resolution studies of epitaxial strain release mechanisms in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ superlattices. Physical Review B, 2015, 91, .	1.1	2
24	Mapping Chemical Disorder and Ferroelectric Distortions in the Double Perovskite Compound $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ by Atomic Resolution Electron Microscopy and Spectroscopy. Microscopy and Microanalysis, 2014, 20, 731-739.	0.2	2
25	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ superlattices. Physical Review B, 2014, 89, .	1.1	10
26	Insulating Ferromagnetic LaCoO_3 A Phase Induced by Ordering of Oxygen Vacancies. Physical Review Letters, 2014, 112, .	1.1	10
27	Oxygen Vacancy Ordering: a Degree of Freedom that can Control the Structural, Electronic and Magnetic Properties of Transition-Metal Oxide Films. Microscopy and Microanalysis, 2014, 20, 556-557.	0.2	2
28	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ superlattices. Physical Review B, 2014, 89, .	1.1	25
29	Exotic magnetic anisotropy map in epitaxial $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{CuO}$ superlattices. Physical Review B, 2014, 89, .	1.1	34
30	Room temperature electroresistance in $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ perovskites ($0 \leq x \leq 1$). Journal of Alloys and Compounds, 2011, 509, 4917-4923.	1.1	15
31	Room temperature electroresistance in $\text{Sr}_{2-x}\text{Gd}_x\text{MnTiO}_6$ perovskites ($0 \leq x \leq 1$). Journal of Alloys and Compounds, 2011, 509, 4917-4923.	2.8	12
32	Multiferroic behavior in the double-perovskite $\text{LuMn}_2\text{CoO}_6$. Physical Review B, 2011, 84, .	1.1	147
33	Role of the magnetic ordering on the dielectric response of $\text{M}_2\text{V}_2\text{O}_7$ (M = Co and Cu) divanadates. Journal of Applied Physics, 2011, 109, 054106.	1.1	25
34	Gaining Insights into the Energetics of FePO_4 Polymorphs. Chemistry of Materials, 2010, 22, 994-1001.	3.2	20
35	Anisotropy, orbital order, and colossal electroresistance in untwinned $\text{La}_{0.9}\text{Pr}_{0.1}\text{MnO}_3$ crystals. Physical Review B, 2009, 79, .	1.1	8
36	Magnetolectric behavior in the complex $\text{CaMn}_7\text{O}_{12}$ perovskite. Journal of Magnetism and Magnetic Materials, 2009, 321, 1739-1742.	1.0	28

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37	Persistent ferromagnetism in antiferromagnetic $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$. Physical Review B, 2008, 78, .	1.1	10
38	Dielectric Properties of the Charge Ordered Oxyborate $\text{Fe}_{1-x}\text{O}_{3-x}$. IEEE Transactions on Magnetics, 2008, 44, 2989-2992.	1.2	4
39	High pressure materials for energy storage: the case of V_2O_5 . Journal of Physics: Conference Series, 2008, 121, 032001.	0.3	1
40	Colossal electroresistance without colossal magnetoresistance in $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$. Applied Physics Letters, 2007, 90, 222502.	1.5	19
41	Computational and Experimental Investigation of the Transformation of V_2O_5 Under Pressure. Chemistry of Materials, 2007, 19, 5262-5271.	3.2	45
42	Low temperature colossal magnetocapacitance in. Journal of Magnetism and Magnetic Materials, 2007, 316, e677-e679.	1.0	4
43	Relation between the magnetic properties and the crystal and electronic structures of manganese spinels $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ and $\text{LiCu}_{0.5}\text{Mn}_{1.5}\text{O}_4$ ($0 < x < 0.125$). Journal of Applied Physics, 2006, 100, 093908.	1.1	26
44	Nonlinear electrical characteristics of the low-bandwidth manganites $\text{R}_{1-x}\text{Ca}_x\text{MnO}_3$ ($\text{R}=\text{Pr}, \text{Nd}, \text{Ho}, \text{Er}; x=0.3-0.5$). Physical Review B, 2006, 73, .	1.1	16
45	Electroelasticity in charge ordered $\text{Pr}_{5-x}\text{Ca}_{3-x}\text{MnO}_3$. Physical Review B, 2006, 74, .	1.1	8
46	Anisotropy and field-dependence of the spin-density-wave dynamics in the quasi one-dimensional conductor $(\text{TMTSF})_2\text{PF}_6$. European Physical Journal B, 2005, 46, 223-230.	0.6	7
47	Persistent photo-excited conducting states in functionalized pentacene. Synthetic Metals, 2005, 152, 449-452.	2.1	5
48	Origin of the colossal dielectric response of $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$. Physical Review B, 2005, 72, .	1.1	117
49	Persistent photoexcited conducting states in functionalized pentacene. Journal of Applied Physics, 2004, 96, 3312-3318.	1.1	23
50	Spin polarization of xenon films at low-temperature induced by. Physica B: Condensed Matter, 2003, 329-333, 437-438.	1.3	8
51	FERROMAGNETIC RESONANCES IN POLYCRYSTALLINE $\text{La}_{0.8}\text{Li}_{0.2}\text{MnO}_3$. International Journal of Modern Physics B, 2002, 16, 3351-3354.	1.0	2
52	Origin of the split quantum oscillation wave form in $\text{BEDT-TTF}_2\text{KHg}(\text{SCN})_4$. Physical Review B, 2001, 63, .	1.1	11
53	High-frequency resonant experiments in Fe_8 molecular clusters. Physical Review B, 2000, 62, 3018-3021.	1.1	60
54	Angular magnetoresistance in the $(\text{DMET-TSeF})_2\text{X}$ family: ($\text{X}=\text{AuCl}_2, \text{AuI}_2$): Field-induced spin-density waves and commensurability effects. Physical Review B, 2000, 62, 21-24.	1.1	12

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55	Quantum oscillations in $(\text{DMET}^{\wedge}\text{TSeF})_2\text{AuCl}_2$. Physical Review B, 1999, 60, R15005-R15008.	1.1	15
56	Microscopic evidence for a partially gapped density wave state in $\hat{I}^{\pm}\text{-(BEDT}^{\wedge}\text{TTF)}_2\text{KHg(SCN)}_4$ in high magnetic fields. Solid State Communications, 1999, 109, 637-642.	0.9	11
57	Isotropic character of the metal to density wave transition in $\hat{I}^{\pm}\text{-(BEDT-TTF)}_2\text{KHg(SCN)}_4$. Synthetic Metals, 1999, 103, 2050-2051.	2.1	1
58	Low frequency dielectric response in spin density wave phase of bechgaard salts. Synthetic Metals, 1999, 103, 2052-2053.	2.1	0
59	Collective charge response in the weak ferromagnetic phase of $\hat{I}^{\pm}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N(CN)}_2]\text{Cl}$. Synthetic Metals, 1999, 103, 1937.	2.1	0
60	Non-ohmic electrical transport in the charge-density wave state of $(2,5(\text{OCH}_3)_2\text{DCNQI})_2\text{Li}$. Synthetic Metals, 1999, 103, 2185-2186.	2.1	4
61	Magnetic anisotropy and low-frequency dielectric response of weak ferromagnetic phase in. European Physical Journal B, 1999, 11, 217.	0.6	23
62	Single-particle and spin-density wave charge dynamics in $(\text{TMTSF})_2\text{PF}_6$ and $(\text{TMTSF})_2\text{AsF}_6$: A comparative overview. European Physical Journal Special Topics, 1999, 09, Pr10-275-Pr10-277.	0.2	1
63	Argument for charge density wave sub-phases in the ground state of $\hat{I}^{\pm}\text{-(BEDT-TTF)}_2\text{KHg(SCN)}_4$. Solid State Communications, 1998, 107, 503-507.	0.9	46
64	Low-frequency dielectric response of charge-density wave pinned by commensurability in $(2,5(\text{OCH}_3)_2\text{ET})_2\text{I}^{\pm}\text{-(BEDT-TTF)}_2\text{Hg(SCN)}_4$. Overlock 10	0.7	10
65	Low frequency dielectric relaxation of spin density wave in the Bechgaard salt $(\text{TMTSF})_2\text{PF}_6$. Synthetic Metals, 1997, 85, 1597-1598.	2.1	3
66	Electrical transport measurements on $\text{t}_{\text{d}}\text{-c}_{60}$ single crystals. Synthetic Metals, 1997, 85, 1723-1724.	2.1	1
67	Electrical Conductivity in Dynamically Orientationally Disordered Systems: ac and dc Measurements in Ferromagnetic Single Crystals of TDAE-C_{60} . Physical Review Letters, 1996, 77, 2045-2048.	2.9	22
68	Spin-density-wave state of tetramethyltetraselenafulvalinium phosphate $(\text{TMTSF})_2\text{PF}_6$: Pressure and magnetic-field effects. Physical Review B, 1995, 51, 17972-17975.	1.1	23
69	Enhanced charge localization in the organic alloys $[(\text{TMTSF})_1\hat{I}^{\wedge}(\text{TMTTF})_x]_2\text{ReO}_4$. Synthetic Metals, 1995, 70, 753-754.	2.1	1
70	Commensurate Spin-Density Wave State in $(\text{TMTTF})_2\text{Br}$: Single-Particle and Collective Charge Dynamics. Europhysics Letters, 1994, 26, 295-301.	0.7	8
71	Slow quantum oscillations in the semimetallic spin-density-wave state of tetramethyltetraselenafulvalinium nitrate $(\text{TMTSF})_2\text{NO}_3$. Physical Review B, 1994, 50, 12721-12725.	1.1	17
72	Enhanced charge localization in the organic alloys $[(\text{TMTSF})_1\hat{I}^{\wedge}(\text{TMTTF})_x]_2\text{ReO}_4$. Physical Review B, 1994, 50, 7136-7139.	1.1	31

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73	Non-linear electrical transport effects in the anion induced charge-density wave state of the organic conductors (TMTSF) ₂ ReO ₄ and (TMTSF) ₂ FSO ₃ . Synthetic Metals, 1993, 56, 2611-2616.	2.1	0
74	Electrical transport in the organic superconductor \tilde{A}^{\vee} -(BEDT-TTF) ₂ AuI ₂ : Influence of X-ray induced defects on the normal phase and superconducting ground state. Synthetic Metals, 1993, 56, 2821-2826.	2.1	0
75	Magnetic field influence on the low and high electric field transport in the spin-density wave state of the organic conductor (TMTSF) ₂ NO ₃ . Synthetic Metals, 1993, 56, 2593-2598.	2.1	1
76	Influence of electron-electron scattering on the electrical conductivity in organic conductors. Synthetic Metals, 1993, 56, 1762-1767.	2.1	0
77	Anomalous Magnetoresistance in the Spin Density Wave State of Tetramethyltetraselenafulvalinium Nitrate, (TMTSF) ₂ NO ₃ : Imperfect-Nesting Effects. Europhysics Letters, 1993, 22, 279-285.	0.7	15
78	Magnetic-field dependence of the phase-coherence length in the spin-density-wave state of tetramethyltetraselenafulvalinium nitrate, (TMTSF) ₂ NO ₃ . Physical Review B, 1993, 47, 8289-8292.	1.1	9
79	Nonlinear Hall effect in the field-induced spin-density wave states of (TMTSF) ₂ PF ₆ . European Physical Journal Special Topics, 1993, 03, C2-319-C2-322.	0.2	1
80	Magnetotransport effects in spin-density wave state of the organic conductor (TMTSF) ₂ NO ₃ . European Physical Journal Special Topics, 1993, 03, C2-315-C2-318.	0.2	0
81	Magnetic field influence on the spin-density wave of the organic conductor (TMTSF) ₂ NO ₃ . European Physical Journal Special Topics, 1993, 03, C2-293-C2-298.	0.2	0
82	Critical current distributions in YBa ₂ Cu ₃ O _{7-x} ceramics. Solid State Communications, 1991, 77, 849-852.	0.9	6
83	Intrinsic variation of the intergrain critical current in polycrystalline YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 1991, 43, 1162-1165.	1.1	17
84	Differential resistance and critical-current distribution in YBa ₂ Cu ₃ O _{7-x} ceramics. Physical Review B, 1990, 41, 6278-6282.	1.1	21
85	Critical currents and differential resistance of YBa ₂ Cu ₃ O _{7-x} superconducting ceramics. Solid State Communications, 1989, 72, 753-757.	0.9	24