Neven Biskup

List of Publications by Year
in descending order

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85 papers	1,761 citations	279701 23 h-index	302012 39 g-index
86 all docs	86 docs citations	86 times ranked	2612 citing authors

#	Article	IF	Citations
1	Insulating Ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaCoO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> A Phase Induced by Ordering of Oxygen Vacancies. Physical Review Letters, 2014, 112, .	2.9	151
2	Multiferroic behavior in the double-perovskite Lu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>MnCoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	1.1	147
3	Origin of the colossal dielectric response ofPr0.6Ca0.4MnO3. Physical Review B, 2005, 72, .	1.1	117
4	Electrochemical Intercalation of Calcium and Magnesium in TiS₂: Fundamental Studies Related to Multivalent Battery Applications. Chemistry of Materials, 2018, 30, 847-856.	3.2	105
5	A Joint Computational and Experimental Evaluation of CaMn₂O₄ Polymorphs as Cathode Materials for Ca Ion Batteries. Chemistry of Materials, 2016, 28, 6886-6893.	3.2	80
6	Long-range ferromagnetic order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaCoO</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> films due to the interplay of epitaxial strain and oxygen vacancy ordering. Physical Review B, 2015, 91, .	1.1	67
7	High-frequency resonant experiments inFe8molecular clusters. Physical Review B, 2000, 62, 3018-3021.	1.1	60
8	Argument for charge density wave sub-phases in the ground state of Î±-(BEDT-TTF)2KHg(SCN)4. Solid State Communications, 1998, 107, 503-507.	0.9	46
9	Computational and Experimental Investigation of the Transformation of V₂O₅ Under Pressure. Chemistry of Materials, 2007, 19, 5262-5271.	3.2	45
10	Enhanced figure of merit in nanostructured (Bi,Sb)2Te3 with optimized composition, prepared by a straightforward arc-melting procedure. Scientific Reports, 2017, 7, 6277.	1.6	41
11	Applications of STEM-EELS to complex oxides. Materials Science in Semiconductor Processing, 2017, 65, 49-63.	1.9	35
12	Pulsed laser deposition growth of heteroepitaxial YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	1.1	34
13	Enhanced charge localization in the organic alloys [(TMTSF)1â^'x(TMTTF)x]2ReO4. Physical Review B, 1994, 50, 7136-7139.	1.1	31
14	Unveiling the Correlation between the Crystalline Structure of Mâ€Filled CoSb₃ (M = Y, K,) Tj ETQq0 0 0 rgBT /Overlock 10 2020, 30, 2001651.	7.8	31
15	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
16	Magnetoelectric behavior in the complex CaMn7O12 perovskite. Journal of Magnetism and Magnetic Materials, 2009, 321, 1739-1742.	1.0	28
17	Evidence of nanostructuring and reduced thermal conductivity in n-type Sb-alloyed SnSe thermoelectric polycrystals. Journal of Applied Physics, 2019, 126, .	1.1	28
18	Relation between the magnetic properties and the crystal and electronic structures of manganese spinels LiNi0.5Mn1.5O4 and LiCu0.5Mn1.5O4â^'Î´ (0<Î´<0.125). Journal of Applied Physics, 2006, 100, 093908.	1.1	26

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19	Role of the magnetic ordering on the dielectric response of M2V2O7 (M = Co and Cu) divanadates. Journal of Applied Physics, 2011, 109, 054106.	1.1	25
20	Ferroelectric substrate effects on the magnetism, magnetotransport, and electroresistance of La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:m	1.1	25
21	Electrical Switching of Magnetization in the Artificial Multiferroic CoFeB/BaTiO₃. Advanced Electronic Materials, 2016, 2, 1600085.	2.6	25
22	Critical currents and differential resistance of YBa2Cu3O7-x superconducting ceramics. Solid State Communications, 1989, 72, 753-757.	0.9	24
23	Glassâ€Like Throughâ€Plane Thermal Conductivity Induced by Oxygen Vacancies in Nanoscale Epitaxial La_{0.5}Sr_{0.5}CoO_{3â^’}_{Î´}. Advanced Functional Materials, 2017, 27, 1704233.	7.8	24
24	Spin-density-wave state of tetramethyltetraselenafulvalinium phosphate (TMTSF)2PF6: Pressure and magnetic-field effects. Physical Review B, 1995, 51, 17972-17975.	1.1	23
25	Persistent photoexcited conducting states in functionalized pentacene. Journal of Applied Physics, 2004, 96, 3312-3318.	1.1	23
26	Magnetic anisotropy and low-frequency dielectric response of weak ferromagnetic phase in. European Physical Journal B, 1999, 11, 217.	0.6	23
27	Electrical Conductivity in Dynamically Orientationally Disordered Systems: ac and dc Measurements in Ferromagnetic Single Crystals of TDAE-C60. Physical Review Letters, 1996, 77, 2045-2048.	2.9	22
28	Differential resistance and critical-current distribution inYBa2Cu3O7â^’xceramics. Physical Review B, 1990, 41, 6278-6282.	1.1	21
29	Substantial thermal conductivity reduction in mischmetal skutterudites Mm_xCo₄Sb₁₂ 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
30	Gaining Insights into the Energetics of FePO₄Polymorphs. Chemistry of Materials, 2010, 22, 994-1001.	3.2	20
31	Colossal electroresistance without colossal magnetoresistance in La0.9Sr0.1MnO3. Applied Physics Letters, 2007, 90, 222502.	1.5	19
32	X-ray absorption study of the ferromagnetic Cu moment at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><mml:mi>La</mml:mi><m Physical Review B, 2016, 93, .	1.1	19
33	Enhanced stability in CH3NH3PbI3 hybrid perovskite from mechano-chemical synthesis: structural, microstructural and optoelectronic characterization. Scientific Reports, 2020, 10, 11228.	1.6	19
34	Intrinsic variation of the intergrain critical current in polycrystallineYBa2Cu3O7â^’x. Physical Review B, 1991, 43, 1162-1165.	1.1	17
35	Slow quantum oscillations in the semimetallic spin-density-wave state of tetramethyltetraselenafulvalinium nitrate (TMTSF)2NO3. Physical Review B, 1994, 50, 12721-12725.	1.1	17
36	Nonlinear electrical characteristics of the low-bandwidth manganitesR1â^’xCaxMnO3(R=Pr,Nd,Ho,Er;x=0.3â€“0.5). Physical Review B, 2006, 73, .	1.1	16

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37	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
38	Quantum oscillations in(DMETâˆ'TSeF)2AuCl2. Physical Review B, 1999, 60, R15005-R15008.	1.1	15
39	Exotic magnetic anisotropy map in epitaxial La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	15
40	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
41	Angular magnetoresistance in the(DMETâˆ'TSeF)2Xfamily:(X=AuCl2,AuI2):Field-induced spin-density waves and commensurability effects. Physical Review B, 2000, 62, 21-24.	1.1	12
42	Room temperature electroresistance in Sr2âˆ'xGdxMnTiO6 perovskites (0â‰xâ‰1). Journal of Alloys and Compounds, 2011, 509, 4917-4923.	2.8	12
43	Controlling the strength of ferromagnetic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi ma	1.1	12
44	Microscopic evidence for a partially gapped density wave state in Î±-(BEDTâ€"TTF)2KHg(SCN)4 in high magnetic fields. Solid State Communications, 1999, 109, 637-642.	0.9	11
45	Origin of the split quantum oscillation wave form inÎ±âˆ'(BEDTâˆ'TTF)2KHg(SCN)4. Physical Review B, 2001, 63, .	1.1	11
46	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>La</mml:mtext><mml:mrow><mml:mn>1.85</mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Sr</mml:mtext><mml:mrow><mml:mn>0.15</mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>CuO</mml:mtext><mml:mn>4</mml:mn></mm. Physical Review B, 2014, 89, .	1.1	11
47	Granular superconductivity and magnetic-field-driven recovery of macroscopic coherence in a cuprate/manganite multilayer. Physical Review B, 2016, 94, .	1.1	11
48	Low-frequency dielectric response of charge-density wave pinned by commensurability in (2,5(OCH 3) 2) Tj ETQq0 0 0 rgBT /Overlock 1	0.7	10
49	Persistent ferromagnetism in antiferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.6</mm Physical Review B, 2008, 78, .	1.1	10
50	Magnetic-field dependence of the phase-coherence length in the spin-density-wave state of tetramethyltetraselenafulvalinium nitrate, (TMTSF)2NO3. Physical Review B, 1993, 47, 8289-8292.	1.1	9
51	Anisotropy, orbital order, and colossal electroresistance in untwinned<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.9</mm crystals. Physical Review B, 2009, 79, .	1.1	9
52	Influence of Nanostructuration on PbTe Alloys Synthesized by Arc-Melting. Materials, 2019, 12, 3783.	1.3	9
53	Commensurate Spin-Density Wave State in (TMTTF) 2 Br: Single-Particle and Collective Charge Dynamics. Europhysics Letters, 1994, 26, 295-301.	0.7	8
54	Spin polarization of xenon films at low-temperature induced by. Physica B: Condensed Matter, 2003, 329-333, 437-438.	1.3	8

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55	Electroelasticity in charge orderedPr5âˆ•8Ca3âˆ•8MnO3. Physical Review B, 2006, 74, .	1.1	8
56	Anisotropy and field-dependence of the spin-density-wave dynamics in the quasi one-dimensional conductor (TMTSF)2PF6. European Physical Journal B, 2005, 46, 223-230.	0.6	7
57	Critical current distributions in YBa2Cu3O7âˆ’x ceramics. Solid State Communications, 1991, 77, 849-852.	0.9	6
58	Superconductivity and charge-carrier localization in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow> Physical Review B, 2017, 95, .	1.1	6
59	SnSe:Kx intermetallic thermoelectric polycrystals prepared by arc-melting. Journal of Materials Science, 2022, 57, 8489-8503.	1.7	6
60	Persistent photo-excited conducting states in functionalized pentacene. Synthetic Metals, 2005, 152, 449-452.	2.1	5
61	Non-ohmic electrical transport in the charge-density wave state of (2,5(OCH3)2DCNQI)2Li. Synthetic Metals, 1999, 103, 2185-2186.	2.1	4
62	Low temperature colossal magnetocapacitance in. Journal of Magnetism and Magnetic Materials, 2007, 316, e677-e679.	1.0	4
63	Dielectric Properties of the Charge Ordered Oxyborate Fe$_{2}$OBO$_{3}$. IEEE Transactions on Magnetics, 2008, 44, 2989-2992.	1.2	4
64	Low frequency dielectric relaxation of spin density wave in the Bechgaard salt (TMTSF)2PF6. Synthetic Metals, 1997, 85, 1597-1598.	2.1	3
65	Structural, magnetic and electronic properties of pulsed-laser-deposition grown SrFeO_{3âÎ´}thin films and SrFeO_{3âÎ´}/La_{2/3}Ca_{1/3}MnO₃multilayers. Journal of Physics Condensed Matter, 2017, 29, 495601.	0.7	3
66	FERROMAGNETIC RESONANCES IN POLYCRYSTALLINE La0.8Li0.2MnO3. International Journal of Modern Physics B, 2002, 16, 3351-3354.	1.0	2
67	Mapping Chemical Disorder and Ferroelectric Distortions in the Double Perovskite Compound Sr2-xGdxMnTiO6 by Atomic Resolution Electron Microscopy and Spectroscopy. Microscopy and Microanalysis, 2014, 20, 731-739.	0.2	2
68	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
69	Atomic-resolution studies of epitaxial strain release mechanisms inLa1.85Sr0.15CuO4/La0.67Ca0.33MnO3superlattices. Physical Review B, 2015, 91, .	1.1	2
70	Investigation of the Out of Plane Component of the Magnetization of [Fe₇₂Ga₂₈(xâ€‰nm)/Tb₃₃Fe₆₇(50â€‰nm)]₂ Multilayers. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800183.	0.8	2
71	Magnetic field influence on the low and high electric field transport in the spin-density wave state of the organic conductor (TMTSF)2NO3. Synthetic Metals, 1993, 56, 2593-2598.	2.1	1
72	Enhanced charge localization in the organic alloys [(TMTSF)1âˆ’x(TMTTF)x]2ReO4. Synthetic Metals, 1995, 70, 753-754.	2.1	1

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73	Electrical transport measurements on tdae-c60 single crystals. Synthetic Metals, 1997, 85, 1723-1724.	2.1	1
74	Isotropic character of the metal to density wave transition in Î±-(BEDT-TTF)2KHg(SCN)4. Synthetic Metals, 1999, 103, 2050-2051.	2.1	1
75	High pressure materials for energy storage: the case of V₂O₅. Journal of Physics: Conference Series, 2008, 121, 032001.	0.3	1
76	Nonlinear Hall effect in the field-induced spin-density wave states of (TMTSF)₂PF₆. European Physical Journal Special Topics, 1993, 03, C2-319-C2-322.	0.2	1
77	Single-particle and spin-density wave charge dynamics in (TMTSF)₂PF₆ and (TMTSF)₂AsF₆ : A comparative overview. European Physical Journal Special Topics, 1999, 09, Pr10-275-Pr10-277.	0.2	1
78	Non-linear electrical transport effects in the anion induced charge-density wave state of the organic conductors (TMTSF)2ReO4 and (TMTSF)2FSO3. Synthetic Metals, 1993, 56, 2611-2616.	2.1	0
79	Electrical transport in the organic superconductor ÃŸ-(BEDT-TTF)2AuI2: Influence of X-ray induced defects on the normal phase and superconducting ground state. Synthetic Metals, 1993, 56, 2821-2826.	2.1	0
80	Influence of electron-electron scattering on the electrical conductivity in organic conductors. Synthetic Metals, 1993, 56, 1762-1767.	2.1	0
81	Low frequency dielectric response in spin density wave phase of bechgaard salts. Synthetic Metals, 1999, 103, 2052-2053.	2.1	0
82	Collective charge response in the weak ferromagnetic phase of Îº-(BEDT-TTF)2Cu[N(CN)2]Cl. Synthetic Metals, 1999, 103, 1937.	2.1	0
83	Electrodeposition of Hybrid Magnetostrictive/Magnetoelectric Layered Systems. Materials, 2021, 14, 6304.	1.3	0
84	Magnetotransport effects in spin-density wave state of the organic conductor (TMTSF)2NO3. European Physical Journal Special Topics, 1993, 03, C2-315-C2-318.	0.2	0
85	Magnetic field influence on the spin-density wave of the organic conductor (TMTSF)₂NO₃. European Physical Journal Special Topics, 1993, 03, C2-293-C2-298.	0.2	0