

Clemens Ulrich

List of Publications by Year in descending order

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89
papers

3,489
citations

126907

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144013

57
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89
all docs

89
docs citations

89
times ranked

3836
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiferromagnetic ordering of Ru and Gd in superconducting RuSr ₂ GdCu ₂ O ₈ . Physical Review B, 2000, 61, R14964-R14967.	3.2	251
2	Magnetic Resonant Mode in the Single-Layer High-Temperature Superconductor Tl ₂ Ba ₂ CuO _{6+δ} . Science, 2002, 295, 1045-1047.	12.6	214
3	Magnetic Neutron Scattering Study of YVO ₃ : Evidence for an Orbital Peierls State. Physical Review Letters, 2003, 91, 257202.	7.8	136
4	Magnetoresistance effects in SrFeO ₃ : Dependence on phase composition and relation to magnetic and charge order. Physical Review B, 2006, 73, .	3.2	134
5	Magnetism, Charge Order, and Giant Magnetoresistance in SrFeO ₃ Single Crystals. Physical Review Letters, 2004, 92, 037202.	7.8	130
6	Antiferromagnetic Ordering in Superconducting YBa ₂ Cu ₃ O _{6.5} . Physical Review Letters, 2001, 86, 4100-4103.	7.8	109
7	Resonant Magnetic Excitations at High Energy in Superconducting YBa ₂ Cu ₃ O _{6.85} . Physical Review Letters, 2004, 93, 167001.	7.8	103
8	Magnetic Order and Dynamics in an Orbital Degenerate Ferromagnetic Insulator. Physical Review Letters, 2002, 89, 167202.	7.8	99
9	Neutron diffraction study of YVO ₃ , NdVO ₃ , and TbVO ₃ . Physical Review B, 2006, 73, .	3.2	87
10	Long-range transfer of electron-phonon coupling in oxide superlattices. Nature Materials, 2012, 11, 675-681.	27.5	82
11	Magnetic resonant excitations in High-Tc superconductors. Physica Status Solidi (B): Basic Research, 2004, 241, 1204-1210.	1.5	78
12	Lifetime of Phonons in Semiconductors under Pressure. Physical Review Letters, 1997, 78, 1283-1286.	7.8	76
13	Neutron diffraction study of spin and charge ordering in SrFeO ₃ . Physical Review B, 2012, 85, .	3.2	76
14	Phonon anomalies in pure and underdoped SrFeO ₃ . Physical Review B, 2012, 85, .		

#	ARTICLE	IF	CITATIONS
19	Momentum Dependence of Orbital Excitations in Mott-Insulating Titanates. Physical Review Letters, 2009, 103, 107205.	7.8	55
20	Strain-induced magnetic phase transition in SrCoO_{3-x} films. Physical Review B, 2015, 91, .	3.2	46
21	Visible-Light Driven Nanoscale Photoconductivity of Grain Boundaries in Self-Supported ZnO Nano- and Microstructured Platelets. Advanced Electronic Materials, 2016, 2, 1600138.	5.1	52
22	Raman Scattering in the Mott Insulators LaTiO_3 and YTiO_3 : Evidence for Orbital Excitations. Physical Review Letters, 2006, 97, 157401.	7.8	51
23	The resonant magnetic mode: A common feature of high-Tc superconductors. Physica C: Superconductivity and Its Applications, 2005, 424, 45-49.	1.2	50
24	Doping Dependence of Bilayer Resonant Spin Excitations in $(\text{Y,Ca})\text{Ba}_2\text{Cu}_3\text{O}_{6+x}$. Physical Review Letters, 2006, 96, 257001.	7.8	48
25	Dispersion of the odd magnetic resonant mode in near-optimally doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. Physical Review B, 2007, 76, .	3.2	46
26	Odd and even magnetic resonant modes in highly overdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. Physical Review B, 2007, 75, .	3.2	46
27	Pressure Dependence of Raman Linewidth in Semiconductors. Physica Status Solidi (B): Basic Research, 2001, 223, 213-223.	1.5	45
28	Pressure-Induced Disappearance of the Raman Anomaly in CuCl . Physical Review Letters, 1999, 82, 351-354.	7.8	44
29	Two Resonant Magnetic Modes in an Overdoped High-Tc Superconductor. Physical Review Letters, 2003, 91, 237002.	7.8	44
30	Spin dynamics and magnetoelectric coupling mechanism of $\text{Ca}_4\text{O}(\text{Bi}_2\text{O}_7)_2$. Physical Review B, 2016, 94, 040407.	3.2	41
31	Direct evidence for the spin cycloid in strained nanoscale bismuth ferrite thin films. Nature Communications, 2016, 7, 12664.	12.8	40
32	Structural and magnetic phase transitions of the orthovanadates RVO_2 . Physical Review B, 2016, 94, 040407.		

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37	Expansion of the spin cycloid in multiferroic BiFeO ₃ thin films. Npj Quantum Materials, 2019, 4, .	5.2	33
38	Investigation of the structural, electronic, transport and magnetic properties of Co ₂ FeGa Heusler alloy nanoparticles. Journal of Alloys and Compounds, 2019, 776, 379-386.	5.5	33
39	Orbital excitations in YTiO ₃ and LaTiO ₃ probed by resonant inelastic soft x-ray scattering. Physical Review B, 2008, 77, .	3.2	32
40	Effect of Pressure on Direct Optical Transitions of β -InSe. Physica Status Solidi (B): Basic Research, 2000, 221, 777-787.	1.5	30
41	Effect of pressure on structural properties and energy band gaps of β -InSe. Physica Status Solidi (B): Basic Research, 2003, 235, 456-463.	1.5	30
42	Electronic and phononic Raman scattering in detwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physical Review B, 2009, 80, .	3.2	30
43	Single crystals of RuSr ₂ GdCu ₂ O ₈ . Physica C: Superconductivity and Its Applications, 2001, 364-365, 373-375.	1.2	29
44	Crystal and magnetic structure of CeVO ₃ . European Physical Journal B, 2008, 64, 27-34.	1.5	29
45	Anomalous oxygen-isotope effect on the in-plane far-infrared conductivity of detwinned YBa ₂ Cu ₃ O _{6.9} . Physical Review B, 2004, 69, .	3.2	28
46	Rolling up SiGe on insulator. Applied Physics Letters, 2007, 90, 193120.	3.3	27
47	Raman Linewidths of Phonons in Si, Ge, and SiC under Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 293-300.	1.5	26
48	Inelastic neutron scattering study of spin excitations in the superconducting state of high temperature superconductors. Comptes Rendus Physique, 2007, 8, 745-762.	0.9	25
49	Oxygen Nonstoichiometry in (Ca ₂ CoO ₃) _{0.62} (CoO ₂): A Combined Experimental and Computational Study. Journal of Physical Chemistry C, 2014, 118, 18899-18907.	3.1	24
50	Growth and Properties of Fully Strained SrCo _x ($x \approx 2.8$) Thin Films on DyScO ₃ . Advanced Materials Interfaces, 2015, 2, 1500012.	3.7	24
51	Electronic subband structure of InP/InGa _x P quantum islands from high-pressure photoluminescence and photoreflectance. Physical Review B, 1995, 52, 12212-12217.	3.2	22
52	The Effect of Yttrium and Sulfur on the Oxidation of FeCrAl. Materials Science Forum, 1997, 251-254, 389-396.	0.3	21
53	Structural and optical characterization of InP/GaN islands grown by solid-source MBE. Journal of Electronic Materials, 1996, 25, 395-400.	2.2	20
54	Growth and characterization of high-quality SrFeO _x single crystals. Journal of Crystal Growth, 2003, 257, 427-431.	1.5	20

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55	Phase diagram of $\text{Sr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_7$ and $\text{Sr}_{1-x}\text{Ca}_x\text{Cu}_2\text{O}_6$. <i>Physical Review B</i> , 2000, 62, 080407. http://www.w3.org/1998/Math/MathML FeO	3.2	20
56	Spin-Orbital Excitation Continuum and Anomalous Electron-Phonon Interaction in the Mott Insulator LaTiO_3 . <i>Physical Review Letters</i> , 2015, 115, 156403. http://www.w3.org/1998/Math/MathML LaTiO_3	7.8	19
57	Strain Control of Giant Magnetic Anisotropy in Metallic Perovskite SrCoO_3 Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22348-22355.	8.0	19
58	Manipulation of charge carrier concentration and phonon scattering via spin-entropy and size effects: Investigation of thermoelectric transport properties in La-doped $\text{Ca}_3\text{Co}_4\text{O}_9$. <i>Journal of Alloys and Compounds</i> , 2019, 801, 60-69.	5.5	19
59	Scaling, rotation, and channeling behavior of helical and skyrmion spin textures in thin films of Te-doped CuOSeO_3 . <i>Science Advances</i> , 2020, 6, eaax2138.	10.3	19
60	Spin-cycloid instability as the origin of weak ferromagnetism in the disordered perovskite BiO . <i>Physical Review B</i> , 2014, 89, . http://www.w3.org/1998/Math/MathML BiO	10.8	18
61	Neutron diffraction and magnetic properties of Co Heusler alloys. <i>Physical Review B</i> , 2019, 100, 080407. http://www.w3.org/1998/Math/MathML Co	3.2	17
62	Temperature and magnetic field dependent Raman study of electron-phonon interactions in thin films of BiO and BiFeO_3 . <i>Physical Review B</i> , 2020, 101, 040407. http://www.w3.org/1998/Math/MathML BiO	3.2	17
63	Temperature and magnetic field dependent Raman study of electron-phonon interactions in thin films of BiFeO_3 . <i>Physical Review B</i> , 2020, 101, 040407. http://www.w3.org/1998/Math/MathML BiFeO_3	3.0	16
64	Effect of pressure on lattice modes and electronic excitations of 9,10-diidoanthracene crystals. <i>Journal of Chemical Physics</i> , 1997, 107, 4628-4634.	3.0	14
65	Growth of $\text{Sr}_3\text{Fe}_2\text{O}_7$ single crystals by the floating zone method. <i>Journal of Crystal Growth</i> , 2004, 273, 207-212.	1.5	14
66	Spin and orbital disordering by hole doping in $\text{Pn} \cdot \text{CuO}$. <i>Physical Review B</i> , 2000, 62, 080407. http://www.w3.org/1998/Math/MathML $\text{Pn} \cdot \text{CuO}$	3.2	13
67	Electric-field-induced Raman scattering in GaAs: Franz-Keldysh oscillations. <i>Physical Review B</i> , 1995, 51, 7353-7356.	3.2	12
68	Immobilization of Na Ions for Substantial Power Factor Enhancement: Site-Specific Defect Engineering in $\text{Na}_{0.8}\text{Co}_2$. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4324-4329.	3.1	12
69	Structural and magnetic instabilities of $\text{La}_{2-x}\text{Sr}_x\text{CaCu}_2\text{O}_6$. <i>Physical Review B</i> , 2002, 65, .	3.2	10
70	Oxygen isotope effect in $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+4}$ ($n=1,2,3$) single crystals. <i>Physical Review B</i> , 2007, 76, .	3.2	10
71	Lattice phonon modes of the high-pressure phase CuCl-IV . <i>Physical Review B</i> , 1999, 60, 9410-9415.	3.2	9
72	Raman Scattering in CuCl under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 287-292.	1.5	9

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73	Growth and oxygen treatment of SrFeO _{3-δ} single crystals. Journal of Crystal Growth, 2006, 291, 412-415.	1.5	9
74	TAIPAN: First Results from the Thermal Triple-axis Spectrometer at OPAL Research Reactor. Journal of Physics: Conference Series, 2012, 340, 012003.	0.4	8
75	Large easy-plane anisotropy induced spin reorientation in magnetoelectric materials (Co ₄ MnNb ₂ O ₉). Journal of Physics Condensed Matter, 2019, 31, 235801.	1.8	8
76	Effects of Conduction Band Structure and Dimensionality of the Electron Gas on Transport Properties of InSe under Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 129-134.	1.5	7
77	Band-to-Band and Band-to-Acceptor Photoluminescence Studies in InSe under Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 105-110.	1.5	6
78	Subpicometer-scale atomic displacements and magnetic properties in the oxygen-isotope substituted multiferroic DyMnO ₃ . Physical Review B, 2017, 95, .	3.2	5
79	Spin dynamics of edge-sharing spin chains in SrCa ₁₃ Cu ₂₄ O ₄₁ . Physical Review B, 2018, 98, .	3.2	5
80	Raman light scattering study and microstructural analysis of epitaxial films of the electron-doped superconductor La _{2-x} Ce _x CuO ₄ . European Physical Journal B, 2010, 75, 461-467.	1.5	4
81	Reduced crystal symmetry as the origin of the ferroelectric polarization within the incommensurate magnetic phase of TbMnO ₂ . Physical Review B, 2022, 105, .	3.2	2
82	Raman scattering study of Ru(Sr,La) ₂ GdCu ₂ O ₈ . Physical Review B, 2006, 73, .	3.2	2
83	Isotope effect on the optical phonons of YBa ₂ Cu ₄ O ₈ studied by far-infrared ellipsometry and Raman scattering. Physical Review B, 2006, 74, .	3.2	2
84	Spin-phonon and magnetoelectric coupling in oxygen-isotope substituted TbMnO ₃ investigated by Raman scattering. Physical Review B, 2022, 105, .	3.2	2
85	Inelastic neutron scattering study of Tl ₂ Ba ₂ CuO _{6+δ} . Journal of Physics and Chemistry of Solids, 2002, 63, 2243-2246.	4.0	1
86	Magnetic Resonant Excitations in High-Tc Superconductors. ChemInform, 2004, 35, no.	0.0	0
87	Strain effects on the polaron binding energy in PrBa ₂ Cu ₃ O _{7-δ} thin films. Physica C: Superconductivity and Its Applications, 2004, 403, 269-275.	1.2	0
88	Scaling and channelling behavior of helical and skyrmion spin textures in thin films of Te-doped Cu ₂ OSeO ₃ . Microscopy and Microanalysis, 2019, 25, 30-31.	0.4	0
89	Competing Magnetic States and M-H Loop Splitting in Core-Shell NiO Nanoparticles. Nanotechnology, 2022, .	2.6	0