

# Clemens Ulrich

## List of Publications by Year in descending order

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89  
papers

3,489  
citations

126907

33  
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144013

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89  
all docs

89  
docs citations

89  
times ranked

3836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Competing Magnetic States and M-H Loop Splitting in Core-Shell NiO Nanoparticles. Nanotechnology, 2022, , .	2.6	0
2	Spin-phonon and magnetoelectric coupling in oxygen-isotope substituted $TbMnO_3$ investigated by Raman scattering. Physical Review B, 2022, 105, .	3.2	17
3	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	17
4	Temperature and magnetic field dependent Raman study of electron-phonon interactions in thin films of $Bi_2O_3$ . Physical Review B, 2020, 101, .	3.2	17
5	Scaling, rotation, and channeling behavior of helical and skyrmion spin textures in thin films of Te-doped $Cu_{2-x}OSeO_3$ . Science Advances, 2020, 6, eaax2138.	10.3	19
6	Scaling and channelling behavior of helical and skyrmion spin textures in thin films of Te-doped $Cu_2OSeO_3$ . Microscopy and Microanalysis, 2019, 25, 30-31.	0.4	0
7	Neutron diffraction and magnetic properties of $Co_2MnSi$ Heusler alloys. Physical Review B, 2019, 100, .	3.2	17
8	Manipulation of charge carrier concentration and phonon scattering via spin-entropy and size effects: Investigation of thermoelectric transport properties in La-doped $Ca_3Co_4O_9$ . Journal of Alloys and Compounds, 2019, 801, 60-69.	5.5	19
9	Expansion of the spin cycloid in multiferroic $BiFeO_3$ thin films. Npj Quantum Materials, 2019, 4, .	5.2	33
10	Large easy-plane anisotropy induced spin reorientation in magnetoelectric materials $(Co_{4-x}Mn_x)Nb_2O_9$ . Journal of Physics Condensed Matter, 2019, 31, 235801.	1.8	8
11	Investigation of the structural, electronic, transport and magnetic properties of $Co_2FeGa$ Heusler alloy nanoparticles. Journal of Alloys and Compounds, 2019, 776, 379-386.	5.5	33
12	Spin dynamics and magnetoelectric coupling mechanism of $C_4O_4N_2B_2$ . Physical Review B, 2018, 98, .	3.2	41
13	Spin dynamics of edge-sharing spin chains in $SrCa_{13}Cu_{24}O_{41}$ . Physical Review B, 2018, 98, .	3.2	5
14	Strain Control of Giant Magnetic Anisotropy in Metallic Perovskite $SrCoO_3$ Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 22348-22355.	8.0	19
15	Subpicometer-scale atomic displacements and magnetic properties in the oxygen-isotope substituted multiferroic $DyMnO_3$ . Physical Review B, 2017, 95, .	3.2	5
16	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
17	Spin and orbital ordering by non-stoichiometry in $Ca_4P_2O_{14}$ . Physical Review B, 2016, 94, .	3.2	17
18	Direct evidence for the spin cycloid in strained nanoscale bismuth ferrite thin films. Nature Communications, 2016, 7, 12664.	12.8	40

#	ARTICLE	IF	CITATIONS
19	Strain-induced magnetic phase transition in $\text{SrCoO}_{3-x}$ thin films. <i>Physical Review B</i> , 2015, 91, .	3.7	24
20	Spin-Orbital Excitation Continuum and Anomalous Electron-Phonon Interaction in the Mott Insulator $\text{LaTiO}_3$ . <i>Physical Review Letters</i> , 2015, 115, 156403.	7.8	19
21	Growth and Properties of Fully Strained $\text{SrCoO}_{3-x}$ ( $x \approx 2.8$ ) Thin Films on $\text{DyScO}_3$ . <i>Advanced Materials Interfaces</i> , 2015, 2, 1500012.	3.7	24
22	Competing Exchange Interactions on the Verge of a Metal-Insulator Transition in the Two-Dimensional Spiral Magnet $\text{Sr}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2014, 113, 147206.	7.3	18
23	Spin-cycloid instability as the origin of weak ferromagnetism in the disordered perovskite $\text{BiO}_x$ . <i>Physical Review B</i> , 2014, 89, .	0.8	18
24	Oxygen Nonstoichiometry in $(\text{Ca}_{2-x}\text{Co}_{3-x})_{0.62}$ ( $\text{CoO}_{2-x}$ ): A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18899-18907.	3.1	24
25	Atom-specific depth profile of magnetism and stoichiometry at the $\text{LaSrMnO}_3$ interface. <i>Physical Review B</i> , 2014, 90, 040407.	3.2	16
26	$\text{FeCr}_2\text{S}_4$ in magnetic fields: possible evidence for a multiferroic ground state. <i>Scientific Reports</i> , 2014, 4, 6079.	3.3	36
27	Magnetic phase diagram of $\text{SrFeO}_3$ . <i>Physical Review B</i> , 2014, 90, 040407.	3.2	20
28	TAIPAN: First Results from the Thermal Triple-axis Spectrometer at OPAL Research Reactor. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012003.	0.4	8
29	Immobilization of Na Ions for Substantial Power Factor Enhancement: Site-Specific Defect Engineering in $\text{Na}_{0.8}\text{CoO}_2$ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 4324-4329.	3.1	12
30	Neutron diffraction study of spin and charge ordering in $\text{SrFeO}_3$ . <i>Physical Review B</i> , 2012, 85, .	3.2	76
31	Long-range transfer of electron-phonon coupling in oxide superlattices. <i>Nature Materials</i> , 2012, 11, 675-681.	27.5	82
32	Structural and magnetic phase transitions of the orthovanadates $\text{RVO}$ .		

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37	Momentum Dependence of Orbital Excitations in Mott-Insulating Titanates. Physical Review Letters, 2009, 103, 107205.	7.8	55
38	Crystal and magnetic structure of CeVO <sub>3</sub> . European Physical Journal B, 2008, 64, 27-34.	1.5	29
39	Orbital excitations in YTiO <sub>3</sub> and LaTiO <sub>3</sub> probed by resonant inelastic soft x-ray scattering. Physical Review B, 2008, 77, .	3.2	32
40	Oxygen isotope effect in Bi <sub>2</sub> Sr <sub>2</sub> Ca <sup>n</sup> 1Cu <sub>n</sub> O <sub>2n+4</sub> + $\delta$ (n=1,2,3) single crystals. Physical Review B, 2007, 76, .	3.2	10
41	Rolling up SiGe on insulator. Applied Physics Letters, 2007, 90, 193120.	3.3	27
42	Dispersion of the odd magnetic resonant mode in near-optimally doped $\text{Bi}_{2-x}\text{Sr}_x\text{CuO}_8$ . Physical Review B, 2007, 76, .	3.2	46
43	Odd and even magnetic resonant modes in highly overdoped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . Physical Review B, 2007, 75, .	3.2	46
44	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
45	Neutron diffraction study of YVO <sub>3</sub> , NdVO <sub>3</sub> , and TbVO <sub>3</sub> . Physical Review B, 2006, 73, .	3.2	87
46	Crystal structure and high-field magnetism of La <sub>2</sub> CuO <sub>4</sub> . Physical Review B, 2006, 73, .	3.2	59
47	Magnetoresistance effects in SrFeO <sub>3</sub> + $\delta$ : Dependence on phase composition and relation to magnetic and charge order. Physical Review B, 2006, 73, .	3.2	134
48	Growth and oxygen treatment of SrFeO <sub>3</sub> + $\delta$ single crystals. Journal of Crystal Growth, 2006, 291, 412-415.	1.5	9
49	Raman scattering study of Ru(Sr,La) <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> . Physical Review B, 2006, 73, .	3.2	2
50	Raman Scattering in the Mott Insulators LaTiO <sub>3</sub> and YTiO <sub>3</sub> : Evidence for Orbital Excitations. Physical Review Letters, 2006, 97, 157401.	7.8	51
51	Doping Dependence of Bilayer Resonant Spin Excitations in (Y,Ca)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Physical Review Letters, 2006, 96, 257001.	7.8	48
52	Isotope effect on the optical phonons of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> studied by far-infrared ellipsometry and Raman scattering. Physical Review B, 2006, 74, .	3.2	2
53	The resonant magnetic mode: A common feature of high-T <sub>c</sub> superconductors. Physica C: Superconductivity and Its Applications, 2005, 424, 45-49.	1.2	50
54	Magnetism, Charge Order, and Giant Magnetoresistance in SrFeO <sub>3</sub> + $\delta$ Single Crystals. Physical Review Letters, 2004, 92, 037202.	7.8	130

#	ARTICLE	IF	CITATIONS
55	Resonant Magnetic Excitations at High Energy in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.85}$ . <i>Physical Review Letters</i> , 2004, 93, 167001.	7.8	103
56	Anomalous oxygen-isotope effect on the in-plane far-infrared conductivity of detwinned $\text{YBa}_2\text{Cu}_3\text{O}_{6.9}$ . <i>Physical Review B</i> , 2004, 69, .	3.2	28
57	c-axis lattice dynamics in Bi-based cuprate superconductors. <i>Physical Review B</i> , 2004, 69, .	3.2	55
58	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
59	Magnetic resonant excitations in High-Tc superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1204-1210.	1.5	78
60	Magnetic Resonant Excitations in High-Tc Superconductors. <i>ChemInform</i> , 2004, 35, no.	0.0	0
61	Strain effects on the polaron binding energy in $\text{PrBa}_2\text{Cu}_3\text{O}_7$ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 403, 269-275.	1.2	0
62	Effect of pressure on structural properties and energy band gaps of $\text{In}_2\text{Se}_3$ . <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 456-463.	1.5	30
63	Growth and characterization of high-quality $\text{SrFeO}_x$ single crystals. <i>Journal of Crystal Growth</i> , 2003, 257, 427-431.	1.5	20
64	Magnetic Neutron Scattering Study of $\text{YVO}_3$ : Evidence for an Orbital Peierls State. <i>Physical Review Letters</i> , 2003, 91, 257202.	7.8	136
65	Two Resonant Magnetic Modes in an Overdoped High-Tc Superconductor. <i>Physical Review Letters</i> , 2003, 91, 237002.	7.8	44
66	Magnetic Order and Dynamics in an Orbital Degenerate Ferromagnetic Insulator. <i>Physical Review Letters</i> , 2002, 89, 167202.	7.8	99
67	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
68	Magnetic Resonant Mode in the Single-Layer High-Temperature Superconductor $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+\delta}$ . <i>Science</i> , 2002, 295, 1045-1047.	12.6	214
69	Inelastic neutron scattering study of $\text{Tl}_2\text{Ba}_2\text{CuO}_6$ . <i>Journal of Physics and Chemistry of Solids</i> , 2002, 63, 2243-2246.	4.0	1
70	Single crystals of $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . <i>Physica C: Superconductivity and Its Applications</i> , 2001, 364-365, 373-375.	1.2	29
71	Pressure Dependence of Raman Linewidth in Semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 223, 213-223.	1.5	45
72	Antiferromagnetic Ordering in Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$ . <i>Physical Review Letters</i> , 2001, 86, 4100-4103.	7.8	109

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73	Effect of Pressure on Direct Optical Transitions of $\alpha$ -InSe. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 777-787.	1.5	30
74	Antiferromagnetic ordering of Ru and Gd in superconducting $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . <i>Physical Review B</i> , 2000, 61, R14964-R14967.	3.2	251
75	Pressure-Induced Disappearance of the Raman Anomaly in CuCl. <i>Physical Review Letters</i> , 1999, 82, 351-354.	7.8	44
76	Lattice phonon modes of the high-pressure phase CuCl-IV. <i>Physical Review B</i> , 1999, 60, 9410-9415.	3.2	9
77	Raman linewidths of optical phonons in $3\text{C}\hat{\sim}\text{SiC}$ under pressure: First-principles calculations and experimental results. <i>Physical Review B</i> , 1999, 59, 6774-6783.	3.2	65
78	Band-to-Band and Band-to-Acceptor Photoluminescence Studies in InSe under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 105-110.	1.5	6
79	Raman Scattering in CuCl under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 287-292.	1.5	9
80	Raman Linewidths of Phonons in Si, Ge, and SiC under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 293-300.	1.5	26
81	Effect of pressure on lattice modes and electronic excitations of 9,10-diiodoanthracene crystals. <i>Journal of Chemical Physics</i> , 1997, 107, 4628-4634.	3.0	14
82	Investigation of conduction-band structure, electron-scattering mechanisms, and phase transitions in indium selenide by means of transport measurements under pressure. <i>Physical Review B</i> , 1997, 55, 16217-16225.	3.2	58
83	The Effect of Yttrium and Sulfur on the Oxidation of FeCrAl. <i>Materials Science Forum</i> , 1997, 251-254, 389-396.	0.3	21
84	Lifetime of Phonons in Semiconductors under Pressure. <i>Physical Review Letters</i> , 1997, 78, 1283-1286.	7.8	76
85	Structural and optical characterization of InP/GaN islands grown by solid-source MBE. <i>Journal of Electronic Materials</i> , 1996, 25, 395-400.	2.2	20
86	Vibrational Properties of InSe under Pressure: Experiment and Theory. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 121-127.	1.5	35
87	Effects of Conduction Band Structure and Dimensionality of the Electron Gas on Transport Properties of InSe under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 129-134.	1.5	7
88	Electronic subband structure of InP/In <sub>x</sub> Ga <sub>1-x</sub> P quantum islands from high-pressure photoluminescence and photoreflectance. <i>Physical Review B</i> , 1995, 52, 12212-12217.	3.2	22
89	Electric-field-induced Raman scattering in GaAs: Franz-Keldysh oscillations. <i>Physical Review B</i> , 1995, 51, 7353-7356.	3.2	12