

# Enrico Schierle

## List of Publications by Year in descending order

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70  
papers

4,261  
citations

236925

25  
h-index

106344

65  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	12.8	21
2	Magnetic field dependent cycloidal rotation in pristine and Ge-doped CoCr2O4. Physical Review B, 2021, 103, .	3.2	2
3	Large response of charge stripes to uniaxial stress in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review Research, 2021, 3, .	1.47	1
4	$\text{Mn}_{1-x}\text{Bi}_x\text{Sb}_2\text{Te}_4$ : A Topological Insulator with Magnetic Gap Closing at High Curie Temperatures of 45–50 K. Advanced Materials, 2021, 33, e2102935.	21.0	70
5	Magnetization relaxation and search for the magnetic gap in bulk-insulating V-doped $(\text{Bi}, \text{Sb})_2\text{Te}_3$ . Applied Physics Letters, 2021, 119, .	3.3	6
6	Imprint of charge and oxygen orders on Dy ions in $\text{DyBa}_2\text{Cu}_3\text{O}_{6+x}$ thin films probed by resonant x-ray scattering. Physical Review B, 2020, 102, .	3.2	2
7	Incipient antiferromagnetism in the Eu-doped topological insulator $\text{Bi}_{1-x}\text{Mn}_x\text{Te}_2$ . Physical Review B, 2020, 102, .	2.1	1
8	Transition from a uni- to a bimodal interfacial charge distribution in $\text{LaAlO}_3/\text{SrTiO}_3$ upon cooling. Scientific Reports, 2020, 10, 18359.	3.3	1
9	A promising birthplace for skyrmions. Nature Materials, 2020, 19, 369-370.	27.5	1
10	Strongly coupled charge, orbital, and spin order in $\text{TbTe}_{1-x}\text{Mn}_x$ . Physical Review B, 2020, 102, .	3.2	1
11	Adiabatic variation of the charge density wave phase diagram in the 123 cuprate $(\text{Ca}_{1-x}\text{La}_x)(\text{Ba}_{1.75-x}\text{La}_{0.25+x})\text{Cu}_3\text{O}_y$ . Physical Review B, 2019, 100, .	3.2	8
12	Evolution of charge order topology across a magnetic phase transition in cuprate superconductors. Nature Physics, 2019, 15, 335-340.	16.7	21
13	Resonant inelastic x-ray scattering study of bond order and spin excitations in nickelate thin-film structures. Physical Review B, 2019, 99, .	3.2	11
14	Theory-restricted resonant x-ray reflectometry of quantum materials. Physical Review B, 2018, 97, .	3.2	6
15	Magnetic field effect in stripe-ordered $\text{La}_{1.6}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$ and $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ superconducting cuprates studied by resonant soft x-ray scattering. Physical Review B, 2018, 97, .	3.2	2
16	Persistent low-energy phonon broadening near the charge-order $q$ vector in the bilayer cuprate $\text{Bi}_{1-x}\text{Mn}_x\text{Te}_2$ . Physical Review B, 2018, 98, .	3.2	22
17	Stabilization of three-dimensional charge order in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ via epitaxial growth. Nature Communications, 2018, 9, 2978.	12.8	34
18	Transfer of Magnetic Order and Anisotropy through Epitaxial Integration of $\text{d}$ and $\text{f}$ Spin Systems. Physical Review Letters, 2017, 118, 207203.	7.8	15

#	ARTICLE	IF	CITATIONS
19	Quasi-particle interference of heavy fermions in resonant x-ray scattering. Science Advances, 2016, 2, e1601086.	10.3	4
20	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	10.3	65
21	Stripe order of $\text{La}_{1-x}\text{Ce}_x\text{FeAsO}$ in magnetic fields studied by resonant soft x-ray scattering. Physical Review B, 2016, 94, .	10.3	1.64
22	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. Nature Materials, 2016, 15, 831-834.	27.5	46
23	Nonmagnetic band gap at the Dirac point of the magnetic topological insulator $(\text{Bi}_{1-x}\text{Mn}_x)_2\text{Se}_3$ . Nature Communications, 2016, 7, 10559.	12.8	102
24	Observation of a Devil's Staircase in the Novel Spin-Valve System $\text{SrCo}_2\text{O}_7$ . Physical Review Letters, 2015, 114, 236403.	11.8	6
25	Long-range antiferromagnetic order of formally nonmagnetic $\text{Eu}^{2+}$ Van Vleck ions observed in multiferroic $\text{Eu}_2\text{YxMnO}_3$ . Physical Review B, 2015, 91, .	3.2	5
26	Tunable Charge and Spin Order in $\text{PrNiO}_3$ Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	7.8	91
27	Ubiquitous Interplay Between Charge Ordering and High-Temperature Superconductivity in Cuprates. Science, 2014, 343, 393-396.	12.6	506
28	Charge Order Driven by Fermi-Arc Instability in $\text{Bi}_2\text{Sr}_2\text{LaCu}_6\text{O}_{24}$ . Science, 2014, 343, 390-392.	12.6	512
29	Resonant x-ray scattering study of charge-density-wave correlations in $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Physical Review Letters, 2013, 111, 106804.	3.2	262
30	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic $\text{TbMnO}_3$ films. Physical Review B, 2013, 88, .	3.2	20
31	Orbital Control of Noncollinear Magnetic Order in Nickel Oxide Heterostructures. Physical Review Letters, 2013, 111, 106804.	7.8	110
32	Analysis of charge and orbital order in $\text{FeO}$ by Fe $L_{2,3}$ X-ray scattering. Physical Review Letters, 2013, 110, 187001.	3.2	7
33	Identification of local magnetic contributions in a $\text{Co}_2\text{FeBO}_5$ single crystal by XMCD spectroscopy. JETP Letters, 2013, 96, 650-654.	1.4	7
34	Momentum-Dependent Charge Correlations in $\text{CuO}$ Probed by Resonant X-Ray Scattering: Evidence for Three Competing Phases. Physical Review Letters, 2013, 110, 187001.	7.8	168
35	Publisher's Note: Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic $\text{TbMnO}_3$ films [Phys. Rev. B88, 054401 (2013)]. Physical Review B, 2013, 88, .	3.2	1
36	Resonant elastic soft x-ray scattering. Reports on Progress in Physics, 2013, 76, 056502.	20.1	141

#	ARTICLE	IF	CITATIONS
37	Crystal field ground state of the orthorhombic Kondo semiconductors CeOs <sub>2</sub> Al <sub>10</sub> and CeFe <sub>2</sub> Al <sub>10</sub> . Physical Review B, 2013, 87, .	3.2	0
38	Crystal field ground state of the orthorhombic Kondo semiconductors CeOs <sub>2</sub> Al <sub>10</sub> and CeFe <sub>2</sub> Al <sub>10</sub> . Physical Review B, 2013, 87, .	3.2	34
39	Time and momentum resolved resonant magnetic x-ray diffraction on EuTe. EPJ Web of Conferences, 2013, 41, 03014.	0.3	0
40	High-order Ho multipoles in HoB <sub>2</sub> C <sub>2</sub> observed with soft resonant x-ray diffraction. Journal of Physics Condensed Matter, 2012, 24, 075602.	1.8	2
41	Symmetry of Orbital Order in Fe <sub>3</sub> O <sub>4</sub> Studied by X-Ray Diffraction. Physical Review Letters, 2012, 108, 227203.	7.8	21
42	Resonant soft x-ray scattering from stepped surfaces of SrTiO <sub>3</sub> . Journal of Physics Condensed Matter, 2012, 24, 035501.	1.8	13
43	Long-Range Incommensurate Charge Fluctuations in (Y,Nd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> . Science, 2012, 337, 821-825.	12.6	938
44	Resonant soft X-ray scattering studies of multiferroic YMn <sub>2</sub> O <sub>5</sub> . European Physical Journal: Special Topics, 2012, 208, 133-139.	2.6	4
45	Magnetic Domain Fluctuations in an Antiferromagnetic Film Observed with Coherent Resonant Soft X-Ray Scattering. Physical Review Letters, 2011, 106, 077402.	7.8	31
46	Electronic structure of the SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface revealed by resonant soft x-ray scattering. IOP Conference Series: Materials Science and Engineering, 2011, 24, 012012.	0.6	4
47	Observation of Electronic Ferroelectric Polarization in Multiferroic YMn <sub>2</sub> O <sub>5</sub> . Physical Review Letters, 2011, 107, 057201.	7.8	35
48	Ground State of the Quasi-1D Compound BaVS <sub>3</sub> Resolved by Resonant Magnetic X-Ray Scattering. Physical Review Letters, 2011, 106, 167203.	7.8	14
49	Phase diagram of charge order in La <sub>1-x</sub> Cu <sub>x</sub> O. Physical Review Letters, 2011, 106, 167203.	3.2	58
50	Intrinsic and extrinsic x-ray absorption effects in soft x-ray diffraction from the superstructure in magnetite. Physical Review B, 2011, 83, .	3.2	101
51	Intrinsic and extrinsic x-ray absorption effects in soft x-ray diffraction from the superstructure in magnetite. Physical Review B, 2011, 83, .	3.2	8
52	Electronic structure, magnetic, and dielectric properties of the edge-sharing copper oxide chain compound NaCu <sub>2</sub> O. Physical Review B, 2010, 81, .	3.2	23
53	Dual behavior of antiferromagnetic uncompensated spins in NiFe/IrMn exchange biased bilayers. Physical Review B, 2010, 81, .	3.2	48
54	Depth-resolved magnetic structure across the ferromagnetic to helical-antiferromagnetic phase transition in Dy/W(110). Physical Review B, 2010, 82, .	3.2	5

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55	Cycloidal Order of $f$ Moments as a Probe of Chiral Domains in $\text{DyMnO}_3$ . <i>Physical Review Letters</i> , 2010, 105, 167207.	7.8	57
56	Unidirectional behavior of uncompensated Fe orbital moments in exchange-biased Co/FeMn/Cu(001). <i>Physical Review B</i> , 2010, 81, .	3.2	12
57	Ultrafast dynamics of antiferromagnetic order studied by femtosecond resonant soft x-ray diffraction. <i>Applied Physics Letters</i> , 2010, 97, 062502.	3.3	21
58	Origin of the reduced exchange bias in an epitaxial FeNi(111)/CoO(111) bilayer. <i>Physical Review B</i> , 2009, 79, .	3.2	42
59	Charge ordering in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , 2009, 79, .	3.2	108
60	Resonant soft x-ray scattering studies of interface reconstructions in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> superlattices. <i>Journal of Applied Physics</i> , 2009, 106, 083705.	2.5	22
61	Magnetic Structure of $\text{RuSr}_2\text{GdCu}_8\text{O}_{26}$ Determined by Resonant X-Ray Diffraction. <i>Physical Review Letters</i> , 2009, 102, 037205.	7.8	26
62	Antiferromagnetic Order with Atomic Layer Resolution In EuTe(111) Films. <i>Physical Review Letters</i> , 2008, 101, 267202.	7.8	19
63	Magnetic structure and orbital state of $\text{Ca}_3\text{Ru}_2\text{O}_7$ investigated by resonant x-ray diffraction. <i>Physical Review B</i> , 2008, 77, .	3.2	24
64	Direct Observation of $\text{t}_2\text{g}$ Ordering in Magnetite. <i>Physical Review Letters</i> , 2008, 100, 026406.	7.8	77
65	Magnetic x-ray scattering at the M <sub>5</sub> absorption edge of Ho. <i>Physical Review B</i> , 2006, 74, .	3.2	24
66	Magnetic depth profiles from resonant soft x-ray scattering: Application to Dy thin films. <i>Applied Physics Letters</i> , 2006, 88, 212507.	3.3	11
67	Resonant magnetic X-ray scattering at the lanthanide M <sub>5</sub> edges. <i>Physica B: Condensed Matter</i> , 2005, 357, 16-21.	2.7	5
68	Spectroscopy of Stripe Order in $\text{La}_{1.8}\text{Sr}_{0.2}\text{NiO}_4$ Using Resonant Soft X-Ray Diffraction. <i>Physical Review Letters</i> , 2005, 95, 156402.	7.8	59
69	Finite-Size Effect on Magnetic Ordering Temperatures in Long-Period Antiferromagnets: Holmium Thin Films. <i>Physical Review Letters</i> , 2004, 93, 157204.	7.8	83
70	The UE46 PGM-1 beamline at BESSY II. <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 4, A127.	0.0	12