

# 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	Long-Range Incommensurate Charge Fluctuations in $(Y,Nd)Ba_{2-x}Cu_{3-x}O_{6+x}$ . Science, 2012, 337, 821-825.	12.6	938
2	Charge Order Driven by Fermi-Arc Instability in $Bi_2Sr_2\hat{x}$ $La_{x-1}CuO_{6+\hat{x}}$ . Science, 2014, 343, 390-392.	12.6	512
3	Ubiquitous Interplay Between Charge Ordering and High-Temperature Superconductivity in Cuprates. Science, 2014, 343, 393-396.	12.6	506
4	Resonant x-ray scattering study of charge-density wave correlations in $YBa_2Cu_3O_{6+x}$ . Physical Review Letters, 2013, 110, 187001.	3.2	262
5	Resonant elastic soft x-ray scattering. Reports on Progress in Physics, 2013, 76, 056502.	20.1	141
6	Orbital Control of Noncollinear Magnetic Order in Nickel Oxide Heterostructures. Physical Review Letters, 2013, 111, 106804.	7.8	110
7	Charge ordering in $La_{1-x}Pr_xO_{6+x}$ . Physical Review B, 2009, 79, .	3.2	108
8	Nonmagnetic band gap at the Dirac point of the magnetic topological insulator $(Bi_{1-x}Mn_x)_2Se_3$ . Nature Communications, 2016, 7, 10559.	12.8	102
9	Phase diagram of charge order in $La_{1-x}Pr_xO_{6+x}$ . Physical Review B, 2009, 79, .	3.2	101
10	Tunable Charge and Spin Order in $PrNiO_3$ Thin Films and Superlattices. Physical Review Letters, 2014, 113, 227206.	7.8	91
11	Finite-Size Effect on Magnetic Ordering Temperatures in Long-Period Antiferromagnets: Holmium Thin Films. Physical Review Letters, 2004, 93, 157204.	7.8	83
12	Direct Observation of $t_2g$ Ordering in Magnetite. Physical Review Letters, 2008, 100, 026406.	7.8	77
13	$Mn$ -Rich $MnSb_2Te_4$ : A Topological Insulator with Magnetic Gap Closing at High Curie Temperatures of 45-50 K. Advanced Materials, 2021, 33, e2102935.	21.0	70
14	Doping-dependent charge order correlations in electron-doped cuprates. Science Advances, 2016, 2, e1600782.	10.3	65
15	Spectroscopy of Stripe Order in $La_{1.875}Sr_{0.2}NiO_4$ Using Resonant Soft X-Ray Diffraction. Physical Review Letters, 2005, 95, 156402.	7.8	59
16	Comparison of Stripe Modulations in $La_{1.875}Sr_{0.2}NiO_4$ and $Ba_{1-x}Cu_{3-x}O_{6+x}$ . Physical Review Letters, 2005, 95, 156402.	3.2	58
17	Cycloidal Order of $4f$ Moments as a Probe of Chiral Domains in $DyMnO_3$ . Physical Review Letters, 2010, 105, 167207.	7.8	57

#	ARTICLE	IF	CITATIONS
19	Dual behavior of antiferromagnetic uncompensated spins in NiFe/IrMn exchange biased bilayers. Physical Review B, 2010, 81, .	3.2	48
20	Long-range charge-density-wave proximity effect at cuprate/manganate interfaces. Nature Materials, 2016, 15, 831-834.	27.5	46
21	Origin of the reduced exchange bias in an epitaxial FeNi(111)/CoO(111) bilayer. Physical Review B, 2009, 79, .	3.2	42
22	Observation of Electronic Ferroelectric Polarization in Multiferroic $\text{YMn}_2\text{O}_7$ . Physical Review Letters, 2011, 107, 057201.	7.8	35
23	Crystal field ground state of the orthorhombic Kondo semiconductors $\text{CeOs}_2\text{Al}_{10}$ and $\text{CeFe}_2\text{Al}_{10}$ . Physical Review B, 2013, 87, .	3.2	34
24	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
25	Magnetic Domain Fluctuations in an Antiferromagnetic Film Observed with Coherent Resonant Soft X-Ray Scattering. Physical Review Letters, 2011, 106, 077402.	7.8	31
26	Magnetic Structure of $\text{RuSr}_2\text{GdCu}_8\text{O}_{26}$ Determined by Resonant X-Ray Diffraction. Physical Review Letters, 2009, 102, 037205.	7.8	26
27	Observation of a Devil's Staircase in the Novel Spin-Vaive System $\text{SrCo}_6\text{O}_{11}$ . Physical Review Letters, 2015, 114, 236403.	7.8	26
28	Magnetic x-ray scattering at the M5 absorption edge of Ho. Physical Review B, 2006, 74, .	3.2	24
29	Magnetic structure and orbital state of $\text{Ca}_3\text{Ru}_2\text{O}_7$ investigated by resonant x-ray diffraction. Physical Review B, 2008, 77, .	3.2	24
30	Electronic structure, magnetic, and dielectric properties of the edge-sharing copper oxide chain compound $\text{NaCu}_2\text{O}_3$ . Physical Review B, 2010, 81, .	3.2	23
31	Resonant soft x-ray scattering studies of interface reconstructions in $\text{SrTiO}_3/\text{LaAlO}_3$ superlattices. Journal of Applied Physics, 2009, 106, 083705.	2.5	22
32	Persistent low-energy phonon broadening near the charge-order vector in the bilayer cuprate $\text{Bi}_2\text{O}_8$ . Physical Review B, 2018, 98, .	3.2	22
33	Ultrafast dynamics of antiferromagnetic order studied by femtosecond resonant soft x-ray diffraction. Applied Physics Letters, 2010, 97, 062502.	3.3	21
34	Symmetry of Orbital Order in $\text{Fe}_3\text{O}_4$ Studied by X-Ray Diffraction. Physical Review Letters, 2012, 108, 227203.	7.8	21
35	Evolution of charge order topology across a magnetic phase transition in cuprate superconductors. Nature Physics, 2019, 15, 335-340.	16.7	21
36	Dynamic electron correlations with charge order wavelength along all directions in the copper oxide plane. Nature Communications, 2021, 12, 597.	12.8	21

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37	Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO <sub>3</sub> films. Physical Review B, 2013, 88, .	3.2	20
38	Antiferromagnetic Order with Atomic Layer Resolution In EuTe(111) Films. Physical Review Letters, 2008, 101, 267202.	7.8	19
39	Transfer of Magnetic Order and Anisotropy through Epitaxial Integration of $\text{LaMnO}_3$ and $\text{LaMnO}_4$ Spin Systems. Physical Review Letters, 2017, 118, 207203.	7.8	15
40	Incipient antiferromagnetism in the Eu-doped topological insulator $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2020, 102, .	2.1	15
41	Ground State of the Quasi-1D Compound $\text{BaVS}_3$ Resolved by Resonant Magnetic X-Ray Scattering. Physical Review Letters, 2011, 106, 167203.	7.8	14
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	Unidirectional behavior of uncompensated Fe orbital moments in exchange-biased Co/FeMn/Cu(001). Physical Review B, 2010, 81, .	3.2	12
44	The UE46 PGM-1 beamline at BESSY II. Journal of Large-scale Research Facilities JLSRF, 0, 4, A127.	0.0	12
45	Magnetic depth profiles from resonant soft x-ray scattering: Application to Dy thin films. Applied Physics Letters, 2006, 88, 212507.	3.3	11
46	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
47	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
48	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
49	Analysis of charge and orbital order in $\text{LaMnO}_3$ by Fe $\text{K}\alpha$ XRD. Physical Review B, 2019, 100, .	3.2	7
50	Identification of local magnetic contributions in a Co <sub>2</sub> FeBO <sub>5</sub> single crystal by XMCD spectroscopy. JETP Letters, 2013, 96, 650-654.	1.4	7
51	Theory-restricted resonant x-ray reflectometry of quantum materials. Physical Review B, 2018, 97, .	3.2	6
52	Large response of charge stripes to uniaxial stress in $\text{La}_{1-x}\text{Ce}_x\text{MnO}_3$ . Physical Review Research, 2021, 3, .	3.6	6
53	Magnetization relaxation and search for the magnetic gap in bulk-insulating V-doped (Bi, Sb) <sub>2</sub> Te <sub>3</sub> . Applied Physics Letters, 2021, 119, .	3.3	6
54	Resonant magnetic X-ray scattering at the lanthanide M <sub>5</sub> edges. Physica B: Condensed Matter, 2005, 357, 16-21.	2.7	5

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55	Depth-resolved magnetic structure across the ferromagnetic to helical-antiferromagnetic phase transition in Dy/W(110). Physical Review B, 2010, 82, .	3.2	5
56	Long-range antiferromagnetic order of formally nonmagnetic Eu <sup>3+</sup> Van Vleck ions observed in multiferroic Eu <sup>1-x</sup> YxMnO <sub>3</sub> . Physical Review B, 2015, 91, .	3.2	5
57	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
58	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
59	Quasi-particle interference of heavy fermions in resonant x-ray scattering. Science Advances, 2016, 2, e1601086.	10.3	4
60	Strongly coupled charge, orbital, and spin order in $\text{TbTe}_{1-x}\text{Mn}_x$ . Physical Review B, 2020, 102, .	3.2	2
61	Stripe order of $\text{La}_{1.6-x}\text{Ce}_x\text{MnO}_3$ in magnetic fields studied by resonant soft x-ray scattering. Physical Review B, 2016, 94, .	3.2	1
62	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
63	Magnetic field effect in stripe-ordered $\text{La}_{1.6-x}\text{Nd}_x\text{Sr}_x\text{CuO}_4$ 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
64	Imprint of charge and oxygen orders on Dy ions in DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> thin films probed by resonant x-ray scattering. Physical Review B, 2020, 102, .	3.2	2
65	Magnetic field dependent cycloidal rotation in pristine and Ge-doped CoCr <sub>2</sub> O <sub>4</sub> . Physical Review B, 2021, 103, .	3.2	2
66	Publisher's Note: Stability of spin-driven ferroelectricity in the thin-film limit: Coupling of magnetic and electric order in multiferroic TbMnO <sub>3</sub> films [Phys. Rev. B 88, 054401 (2013)]. Physical Review B, 2013, 88, .	3.2	1
67	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
68	A promising birthplace for skyrmions. Nature Materials, 2020, 19, 369-370. Publisher's Note: Crystal field ground state of the orthorhombic Kondo semiconductors	27.5	1
69	$\text{CeO}_2/\text{Al}$ and $\text{CeFeO}_3$	3.2	0
70	Time and momentum resolved resonant magnetic x-ray diffraction on EuTe. EPJ Web of Conferences, 2013, 41, 03014.	0.3	0