

Conny SÃ¥the

List of Publications by Year in descending order

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62
papers

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citations

279798

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63
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docs citations

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times ranked

2841
citing authors

#	ARTICLE	IF	CITATIONS
1	Upgrade of the SPECIES beamline at the MAX IV Laboratory. Journal of Synchrotron Radiation, 2021, 28, 588-601.	2.4	19
2	Vibrational resonant inelastic X-ray scattering in liquid acetic acid: a ruler for molecular chain lengths. Scientific Reports, 2021, 11, 4098.	3.3	7
3	An ultra-high-stability four-axis ultra-high-vacuum sample manipulator. Journal of Synchrotron Radiation, 2021, 28, 1059-1068.	2.4	2
4	Hydrogen bond effects in multimode nuclear dynamics of acetic acid observed via resonant x-ray scattering. Journal of Chemical Physics, 2021, 154, 214304.	3.0	2
5	Photon-recoil imaging: Expanding the view of nonlinear x-ray physics. Science, 2020, 369, 1630-1633.	12.6	19
6	Core-hole localization and ultra-fast dissociation in SF6. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 185101.	1.5	5
7	A five-axis parallel kinematic mirror unit for soft X-ray beamlines at MAX IV. Journal of Synchrotron Radiation, 2020, 27, 262-271.	2.4	5
8	The SPECIES beamline at the MAX IV Laboratory: a facility for soft X-ray RIXS and APXPS. Journal of Synchrotron Radiation, 2017, 24, 344-353.	2.4	38
9	Accurate prediction of X-ray pulse properties from a free-electron laser using machine learning. Nature Communications, 2017, 8, 15461.	12.8	71
10	Stimulated X-ray Raman scattering – a critical assessment of the building block of nonlinear X-ray spectroscopy. Faraday Discussions, 2016, 194, 305-324.	3.2	25
11	Anomalously strong two-electron one-photon X-ray decay transitions in CO caused by avoided crossing. Scientific Reports, 2016, 6, 20947.	3.3	11
12	Ground state potential energy surfaces around selected atoms from resonant inelastic x-ray scattering. Scientific Reports, 2016, 6, 20054.	3.3	30
13	Coupled electron-nuclear dynamics in resonant Raman scattering of CO molecules. Physical Review A, 2016, 93, .	2.5	13
14	Motion control system of MAX IV Laboratory soft x-ray beamlines. AIP Conference Proceedings, 2016, , .	0.4	2
15	Stimulated X-Ray Raman Scattering with Free-Electron Laser Sources. Springer Proceedings in Physics, 2016, , 201-207.	0.2	1
16	Auger electron and photoabsorption spectra of glycine in the vicinity of the oxygen K-edge measured with an X-FEL. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 234004.	1.5	9
17	Rydberg-Resolved Resonant Inelastic Soft X-Ray Scattering: Dynamics at Core Ionization Thresholds. Physical Review Letters, 2015, 114, 133001.	7.8	12
18	High Resolution Multiphoton Spectroscopy by a Tunable Free-Electron-Laser Light. Physical Review Letters, 2014, 113, 193201.	7.8	31

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19	Resonant $\text{Cu L}_{2,3}$ emission spectra of CuGeO_3 single crystal. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2880-2883.	0.8	0
20	Double Excitations of Helium in Weak Static Electric Fields. <i>Physical Review Letters</i> , 2006, 96, 043002.	7.8	16
21	Magnetic-Field Induced Enhancement in the Fluorescence Yield Spectrum of Doubly Excited States in Helium. <i>Physical Review Letters</i> , 2006, 97, 253002.	7.8	9
22	Resonant $\text{L}_{2,3}$ -ray Raman scattering from HCl. <i>Physical Review A</i> , 2006, 74, .	2.5	10
23	Electronic structure of carbon nitride thin films studied by X-ray spectroscopy techniques. <i>Thin Solid Films</i> , 2005, 471, 19-34.	1.8	139
24	One-Dimensional Quantum-Confinement Effect in Fe_2O_3 Ultrafine Nanorod Arrays. <i>Advanced Materials</i> , 2005, 17, 2320-2323.	21.0	338
25	Intra- versus inter-site electronic excitations in NdNiO_3 by resonant inelastic ultra-soft X-ray scattering at Ni 3p edge. <i>Solid State Communications</i> , 2005, 135, 716-720.	1.9	5
26	Core level ionization dynamics in small molecules studied by x-ray-emission threshold-electron coincidence spectroscopy. <i>Physical Review A</i> , 2005, 71, .	2.5	36
27	Resonant Mn L Emission Spectra of Layered Manganite $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1772-1776.	1.6	10
28	Local structures of liquid water studied by x-ray emission spectroscopy. <i>Physical Review B</i> , 2004, 69, .	3.2	83
29	Spin transition in LaCoO_3 investigated by resonant soft X-ray emission spectroscopy. <i>Europhysics Letters</i> , 2004, 68, 289-295.	2.0	28
30	PROBING THE Mn^{3+} SUBLATTICE IN $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ BY RESONANT INELASTIC SOFT X-RAY SCATTERING AT THE $\text{Mn L}_{2,3}$ EDGE. <i>Surface Review and Letters</i> , 2002, 09, 989-992.	1.1	7
31	X-Ray Emission Spectroscopy of Hydrogen Bonding and Electronic Structure of Liquid Water. <i>Physical Review Letters</i> , 2002, 89, 137402.	7.8	242
32	Valence excitations observed in resonant soft X-ray emission spectra of $\text{K}_2\text{Ni}(\text{CN})_4 \cdot \text{H}_2\text{O}$ at the Ni 2p edge. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 909-913.	1.7	3
33	Resonant $\text{O K}_{1,2}$ emission spectra of CuGeO_3 single-crystal. <i>Solid State Communications</i> , 2001, 118, 619-622.	1.9	6
34	Study of oxygen-C 60 compound formation by NEXAFS and RIXS. <i>European Physical Journal D</i> , 2001, 16, 357-360.	1.3	9
35	Bond formation in titanium fulleride compounds studied through x-ray emission spectroscopy. <i>Physical Review B</i> , 2001, 63, .	3.2	23
36	Nitrogen bonding structure in carbon nitride thin films studied by soft x-ray spectroscopy. <i>Applied Physics Letters</i> , 2001, 79, 4348-4350.	3.3	114

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37	Bonding mechanism in the transition-metal fullerides studied by symmetry-selective resonant x-ray inelastic scattering. <i>Physical Review B</i> , 2001, 63, .	3.2	6
38	Magnetic circular dichroism in X-ray fluorescence of Heusler alloys at threshold excitation. <i>Solid State Communications</i> , 2000, 117, 79-82.	1.9	12
39	Direct observation of interface effects of thin AlAs(100) layers buried in GaAs. <i>Applied Surface Science</i> , 2000, 166, 309-312.	6.1	2
40	Radiative and Relativistic Effects in the Decay of Highly Excited States in Helium. <i>Physical Review Letters</i> , 2000, 85, 1202-1205.	7.8	56
41	Theoretical investigation of the thickness dependence of soft-x-ray emission from thin AlAs(100) layers buried in GaAs. <i>Physical Review B</i> , 2000, 61, 5540-5545.	3.2	4
42	Resonant x-ray emission from gas-phase TiCl ₄ . <i>Physical Review A</i> , 2000, 63, .	2.5	7
43	Probing the local electronic structure in the H induced metal - insulator transition of Y. <i>Journal of Physics Condensed Matter</i> , 1999, 11, L119-L125.	1.8	16
44	Core Electron Spectroscopy of Chromium Hexacarbonyl. A Comparative Theoretical and Experimental Study. <i>Physica Scripta</i> , 1999, 59, 138-146.	2.5	4
45	Competition between decay and dissociation of core-excited carbonyl sulfide studied by x-ray scattering. <i>Physical Review A</i> , 1999, 59, 4281-4287.	2.5	31
46	Formation of titanium fulleride studied by x-ray spectroscopies. <i>Physical Review B</i> , 1999, 59, 12667-12671.	3.2	23
47	The electronic structure of polyaniline and doped phases studied by soft x-ray absorption and emission spectroscopies. <i>Journal of Chemical Physics</i> , 1999, 111, 4756-4761.	3.0	36
48	Bond-Length-Dependent Core Hole Localization Observed in Simple Hydrocarbons. <i>Physical Review Letters</i> , 1999, 83, 1315-1318.	7.8	19
49	Spectroscopic study of CN _x films grown by magnetron sputter deposition. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 551-554.	1.7	8
50	The characterization of undulator radiation at MAXII using a soft X-ray fluorescence spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 431, 285-293.	1.6	3
51	Resonant inelastic soft X-ray scattering spectra at the nitrogen and carbon K-edges of poly(pyridine-2,5-diyl). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 573-578.	1.7	10
52	Influence of the Radiative Decay on the Cross Section for Double Excitations in Helium. <i>Physical Review Letters</i> , 1999, 83, 947-950.	7.8	75
53	Electronic structure of single-wall carbon nanotubes studied by resonant inelastic X-ray scattering. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 67, 89-93.	2.3	28
54	The electronic structure of poly(pyridine-2,5-diyl) investigated by soft X-ray absorption and emission spectroscopies. <i>Chemical Physics</i> , 1998, 237, 295-304.	1.9	20

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55	Structural and electronic properties of low dielectric constant fluorinated amorphous carbon films. Applied Physics Letters, 1998, 72, 3353-3355.	3.3	99
56	Resonant X-Ray Raman Spectra of CuddExcitations inSr2CuO2Cl2. Physical Review Letters, 1998, 80, 5204-5207.	7.8	162
57	Resonant and nonresonant x-ray scattering spectra of some poly(phenylenevinylene)s. Journal of Chemical Physics, 1998, 108, 5990-5996.	3.0	29
58	Spectroscopic Studies of Low Dielectric Constant Fluorinated Amorphous Carbon Films for Ulsi Integrated Circuits. Materials Research Society Symposia Proceedings, 1998, 524, 169.	0.1	0
59	Hydrogen-induced changes of the electronic states in ultrathin single-crystal vanadium layers. Physical Review B, 1997, 55, 12914-12917.	3.2	14
60	Resonant soft X-ray fluorescence spectra of molecules. Applied Physics A: Materials Science and Processing, 1997, 65, 97-105.	2.3	39
61	Quenching of Symmetry Breaking in Resonant Inelastic X-Ray Scattering by Detuned Excitation. Physical Review Letters, 1996, 77, 5035-5038.	7.8	116
62	Resonant inelastic soft x-ray scattering on LaPt₂Si₂. Journal of Physics Condensed Matter, 0, , .	1.8	1