

Per-Anders Glans

List of Publications by Year in descending order

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papers

3,546
citations

147566

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133063

59
g-index

71
all docs

71
docs citations

71
times ranked

6889
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ for beyond lithium-ion batteries. APL Materials, 2021, 9, .	2.2	22
2	In situ/operando soft x-ray spectroscopy of chemical interfaces in gas and liquid environments. MRS Bulletin, 2021, 46, 747-754.	1.7	2
3	Electronic surface reconstruction of TiO ₂ nanocrystals revealed by resonant inelastic x-ray scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	1
4	Operando Soft X-ray Spectroscopy Probing Chemical Transformation in Space and Time. Microscopy and Microanalysis, 2021, 27, 61-62.	0.2	0
5	In-situ/operando soft x-ray spectroscopy characterization of energy and catalytic materials. Solar Energy Materials and Solar Cells, 2020, 208, 110432.	3.0	7
6	A design of resonant inelastic X-ray scattering (RIXS) spectrometer for spatial- and time-resolved spectroscopy. Journal of Synchrotron Radiation, 2020, 27, 695-707.	1.0	10
7	Soft x-ray spectroscopy of high pressure liquid. Review of Scientific Instruments, 2018, 89, 013114.	0.6	9
8	Large Charge Transfer Energy in LiFePO ₄ Revealed by Full Multiplet Calculation for the Fe L ₃ Edge Soft X-ray Emission Spectra. ChemPhysChem, 2018, 19, 988-992.	1.0	13
9	Atomic-scale understanding of the electronic structure-crystal facets synergy of nanopyramidal CoPi/BiVO ₄ hybrid photocatalyst for efficient solar water oxidation. Nano Energy, 2018, 53, 483-491.	8.2	31
10	X-ray spectroscopies studies of the 3d transition metal oxides and applications of photocatalysis. MRS Communications, 2017, 7, 53-66.	0.8	22
11	An Advanced Materials Beamline for Energy Research (AMBER). Synchrotron Radiation News, 2017, 30, 41-43.	0.2	2
12	High-efficiency in situ resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. Review of Scientific Instruments, 2017, 88, 033106.	0.6	107
13	Interfacial Insight from Operando XAS/TEM for Magnesium Metal Deposition with Borohydride Electrolytes. Chemistry of Materials, 2017, 29, 7183-7188.	3.2	36
14	Material/element-dependent fluorescence-yield modes on soft X-ray absorption spectroscopy of cathode materials for Li-ion batteries. AIP Advances, 2016, 6, .	0.6	48
15	Effects of domain size on x-ray absorption spectra of boron nitride doped graphenes. Applied Physics Letters, 2016, 109, .	1.5	9
16	Understanding the magnetic interaction between intrinsic defects and impurity ions in room-temperature ferromagnetic Mg _{1-x} Fe _x O thin films. Journal of Physics Condensed Matter, 2016, 28, 156002.	0.7	4
17	Correlation between the O 2p Orbital and Redox Reaction in LiMn _{0.6} Fe _{0.4} PO ₄ Nanowires Studied by Soft X-ray Absorption. ChemPhysChem, 2016, 17, 4110-4115.	1.0	7
18	Comprehensive electronic structure characterization of pristine and nitrogen/phosphorus doped carbon nanocages. Carbon, 2016, 103, 480-487.	5.4	23

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19	Perspectives of in situ/operando resonant inelastic X-ray scattering in catalytic energy materials science. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 200, 282-292.	0.8	34
20	Influence of crystal structure, ligand environment and morphology on Co <i>L</i> -edge XAS spectral characteristics in cobalt compounds. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1450-1458.	1.0	38
21	Electronic Structure of BaPr _{1-x} Yb _x O _{3-δ} by Soft-X-Ray Spectroscopy. <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 37-40.	0.2	3
22	In-situ/operando soft x-ray spectroscopy characterization of interfacial phenomena in energy materials and devices. , 2015, , .		1
23	Probing the Interfacial Interaction in Layered-Carbon-Stabilized Iron Oxide Nanostructures: A Soft X-ray Spectroscopic Study. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7863-7868.	4.0	23
24	Amorphous V ₂ O ₅ â€“P ₂ O ₅ as high-voltage cathodes for magnesium batteries. <i>Chemical Communications</i> , 2015, 51, 15657-15660.	2.2	72
25	Disorder-induced Room Temperature Ferromagnetism in Glassy Chromites. <i>Scientific Reports</i> , 2015, 4, 4686.	1.6	12
26	Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. <i>Faraday Discussions</i> , 2014, 171, 219-241.	1.6	28
27	An ultra-high vacuum electrochemical flow cell for in situ/operando soft X-ray spectroscopy study. <i>Review of Scientific Instruments</i> , 2014, 85, 043106.	0.6	43
28	Developing soft X-ray spectroscopy for in situ characterization of nanocatalysts in catalytic reactions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 197, 118-123.	0.8	8
29	Anisotropic charge-transfer effects in the asymmetric Fe(CN) ₅ NO octahedron of sodium nitroprusside: a soft X-ray absorption spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7031-7036.	1.3	21
30	Understanding the Electrochemical Mechanism of K ⁺ MnO ₂ for Magnesium Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7004-7008.	4.0	132
31	Electronic Structure of Monoclinic BiVO ₄ . <i>Chemistry of Materials</i> , 2014, 26, 5365-5373.	3.2	356
32	Understanding and Overcoming the Challenges Posed by Electrode/Electrolyte Interfaces in Rechargeable Magnesium Batteries. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	29
33	Properties of Disorder-Engineered Black Titanium Dioxide Nanoparticles through Hydrogenation. <i>Scientific Reports</i> , 2013, 3, 1510.	1.6	317
34	Towards understanding the electronic structure of Fe-doped CeO ₂ nanoparticles with X-ray spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14701.	1.3	48
35	Effect of Al ³⁺ Co-doping on the Dopant Local Structure, Optical Properties, and Exciton Dynamics in Cu ⁺ -Doped ZnSe Nanocrystals. <i>ACS Nano</i> , 2013, 7, 8680-8692.	7.3	55
36	Effect of Electrolytic Properties of a Magnesium Organohaloaluminate Electrolyte on Magnesium Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26881-26888.	1.5	93

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37	p-f hybridization in the ferromagnetic semiconductor HoN. Applied Physics Letters, 2012, 100, 072108.	1.5	10
38	Mg deposition observed by in situ electrochemical Mg K-edge X-ray absorption spectroscopy. Electrochemistry Communications, 2012, 24, 43-46.	2.3	64
39	Electronic structure and chemical bonding of a graphene oxide-sulfur nanocomposite for use in superior performance lithium-sulfur cells. Physical Chemistry Chemical Physics, 2012, 14, 13670.	1.3	305
40	Electronic structure study of ordering and interfacial interaction in graphene/Cu composites. Carbon, 2012, 50, 5316-5322.	5.4	32
41	Electronic Structure of $\text{BiFe}_{1-x}\text{M}_x\text{O}_3$ (M=Mn and Tj ETQq1 1 0.784314 rgBT / Oe 0 2012, 37, 77-80.	0.2	0
42	Interfacial interaction of gas molecules and single-walled carbon nanotubes. Applied Physics Letters, 2012, 100, .	1.5	10
43	Surface Electronic Structure of $\text{BaZr}_{1-x}\text{Y}_x\text{O}_{3-\delta}$ by Soft-X-Ray Spectroscopy. Transactions of the Materials Research Society of Japan, 2012, 37, 575-578.	0.2	4
44	Pentavalent and Tetravalent Uranium Selenides, $\text{Tl}_3\text{Cu}_4\text{USe}_6$ and $\text{Tl}_2\text{Ag}_2\text{USe}_4$: Syntheses, Characterization, and Structural Comparison to Other Layered Actinide Chalcogenide Compounds. Inorganic Chemistry, 2011, 50, 6656-6666.	1.9	25
45	X-Ray absorption, photoemission spectroscopy, and Raman scattering analysis of amorphous tantalum oxide with a large extent of oxygen nonstoichiometry. Physical Chemistry Chemical Physics, 2011, 13, 17013.	1.3	68
46	In-situ X-ray Absorption Study of Evolution of Oxidation States and Structure of Cobalt in Co and CoPt Bimetallic Nanoparticles (4 nm) under Reducing (H_2) and Oxidizing (O_2) Environments. Nano Letters, 2011, 11, 847-853.	4.5	115
47	Electronic Structure of PrFeAsO_{1-x} : An Investigation Using X-ray Absorption and Emission Spectroscopy. Journal of Physics: Conference Series, 2011, 273, 012092.	0.3	2
48	Electron delocalization in cyanide-bridged coordination polymer electrodes for Li-ion batteries studied by soft x-ray absorption spectroscopy. Physical Review B, 2011, 84, .	1.1	38
49	Room Temperature Ferromagnetism and Fast Ultraviolet Photoresponse of Inkjet-Printed Mn-Doped ZnO Thin Films. IEEE Transactions on Magnetics, 2010, 46, 2152-2155.	1.2	23
50	In situ soft X-ray absorption spectroscopy investigation of electrochemical corrosion of copper in aqueous NaHCO_3 solution. Electrochemistry Communications, 2010, 12, 820-822.	2.3	95
51	Nuclear resonance fluorescence of Np^{237} . Physical Review C, 2010, 82, .	1.1	12
52	Comparative study of bandwidths in copper delafossites from x-ray emission spectroscopy. Physical Review B, 2009, 80, .	1.1	36
53	Investigation of the amorphous to crystalline phase transition of chemical solution deposited $\text{Pb}(\text{Zr}_{0.3}\text{Ti}_{0.7})\text{O}_3$ thin films by soft X-ray absorption and soft X-ray emission spectroscopy. Journal of Sol-Gel Science and Technology, 2008, 48, 239-252.	1.1	20
54	X-ray spectroscopic study of the electronic structure of visible-light responsive N-, C- and S-doped TiO_2 . Journal of Electron Spectroscopy and Related Phenomena, 2008, 162, 67-73.	0.8	119

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55	Unoccupied electronic states in graphite oxides. Chemical Physics Letters, 2008, 460, 499-502.	1.2	81
56	Electronic structure of multiferroic BiFeO_3 studied by resonant soft x-ray emission spectroscopy. Physical Review B, 2008, 78, .	1.2	82
57	Effect of Mn Substitution for Multiferroic BiFeO_3 Probed by High-Resolution Soft-X-ray Spectroscopy. Japanese Journal of Applied Physics, 2008, 47, 7570.	0.8	38
58	Observation of quantized subband states and evidence for surface electron accumulation in CdO from angle-resolved photoemission spectroscopy. Physical Review B, 2008, 78, .	1.1	75
59	Electronic structure of InN studied using soft x-ray emission, soft x-ray absorption, and quasiparticle band structure calculations. Physical Review B, 2007, 76, .	1.1	18
60	Experimental and theoretical study of the electronic structures of PbO and PbO_2 . Journal of Materials Chemistry, 2007, 17, 267-277.	6.7	104
61	Valence state fossils in Proterozoic stromatolites by $\text{L}_{\text{edge X}}$ ray absorption spectroscopy. Journal of Geophysical Research, 2007, 112, .	3.3	18
62	Electronic structure of the Bi_2O_3 phases: A combined ab initio and x-ray spectroscopy study. Physical Review B, 2006, 73, .	1.1	187
63	Electronic structure in thin film organic semiconductors studied using soft X-ray emission and resonant inelastic X-ray scattering. Thin Solid Films, 2006, 515, 394-400.	0.8	4
64	Quantized Electron Accumulation States in Indium Nitride Studied by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2006, 97, 237601.	2.9	103
65	Experimental and theoretical study of the electronic structure of HgO and Ti_2O_3 . Physical Review B, 2005, 71, .	1.1	51
66	High-resolution x-ray spectroscopic study of the electronic structure of the prototypical p-type transparent conducting oxide CuAlO_2 . Physical Review B, 2005, 72, .	1.1	65
67	Electronic structure near the Fermi level of the organic semiconductor copper phthalocyanine. Chemical Physics Letters, 2004, 390, 203-207.	1.2	46
68	On the involvement of the shallow core 5d level in the bonding in HgO . Chemical Physics Letters, 2004, 399, 98-101.	1.2	26
69	Electronic Structure Study of Nanostructured Transition Metal Oxides Using Soft X-Ray Spectroscopy. , 0, , 123-142.		3