

Ronald Frahm

List of Publications by Year in descending order

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34
papers

1,833
citations

361045

20
h-index

395343

33
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all docs

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docs citations

35
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Resolved Grazing Incidence X-Ray Absorption Spectroscopy for the In Situ Investigation of the Initial Stages of Sputter-Deposited Copper Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100514.	0.8	3
2	Spatiotemporal Investigation of the Temperature and Structure of a Pt/CeO ₂ Oxidation Catalyst for CO and Hydrocarbon Oxidation during Pulse Activation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6662-6675.	1.8	17
3	Fluorescence-detected quick-scanning X-ray absorption spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 681-688.	1.0	31
4	<i>ProQEXAFS</i> : a highly optimized parallelized rapid processing software for QEXAFS data. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 551-557.	1.0	76
5	The quick EXAFS setup at beamline P64 at PETRA III for up to 200 spectra per second. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	15
6	Performance of nearly fixed offset asymmetric channel-cut crystals for X-ray monochromators. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1879-1886.	1.0	3
7	Tuning the Pt/CeO ₂ Interface by in Situ Variation of the Pt Particle Size. <i>ACS Catalysis</i> , 2018, 8, 4800-4811.	5.5	157
8	Depth distribution of secondary phases in kesterite Cu ₂ ZnSnS ₄ by angle-resolved X-ray absorption spectroscopy. <i>APL Materials</i> , 2017, 5, .	2.2	14
9	Surface Oxidation of Supported Ni Particles and Its Impact on the Catalytic Performance during Dynamically Operated Methanation of CO ₂ . <i>Catalysts</i> , 2017, 7, 279.	1.6	55
10	Compositional dependence of charge carrier transport in kesterite Cu ₂ ZnSnS ₄ solar cells. <i>Journal of Applied Physics</i> , 2016, 120, 225703.	1.1	11
11	Secondary phases and their influence on the composition of the kesterite phase in CZTS and CZTSe thin films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15988-15994.	1.3	77
12	Design of weak link channel-cut crystals for fast QEXAFS monochromators. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
13	Quick-EXAFS setup at the SuperXAS beamline for <i>in situ</i> X-ray absorption spectroscopy with 10 ⁴ ms time resolution. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 260-266.	1.0	158
14	Quick scanning monochromator for millisecond <i>in situ</i> and <i>in operando</i> X-ray absorption spectroscopy. <i>Review of Scientific Instruments</i> , 2015, 86, 093905.	0.6	32
15	Hard disk drive based microsecond x-ray chopper for characterization of ionization chambers and photodiodes. <i>Review of Scientific Instruments</i> , 2015, 86, 035105.	0.6	4
16	<i>Operando</i> Spatially- and Time-Resolved XAS Study on Zeolite Catalysts for Selective Catalytic Reduction of NO _x by NH ₃ . <i>Journal of Physical Chemistry C</i> , 2014, 118, 10204-10212.	1.5	74
17	Synthesis and Characterization of Star-Shaped Donor-Acceptor-Donor Structures. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4761-4769.	1.2	11
18	Gridded Ionization Chambers for Time Resolved X-Ray Absorption Spectroscopy. <i>Journal of Physics: Conference Series</i> , 2013, 425, 092010.	0.3	19

#	ARTICLE	IF	CITATIONS
19	Quick-Scanning QEXAFS in grazing incidence: Surface science in sub-seconds. Journal of Physics: Conference Series, 2013, 430, 012124.	0.3	6
20	Microparticles of phosphonate-functionalized copolymers and their composites with CdTe nanocrystals prepared by sonication-precipitation. Polymer Chemistry, 2011, 2, 2597.	1.9	10
21	Determination of secondary phases in kesterite Cu ₂ ZnSnS ₄ thin films by x-ray absorption near edge structure analysis. Applied Physics Letters, 2011, 99, .	1.5	109
22	Arylamino- ϵ -functionalized fluorene- and carbazole-based copolymers: Color-tuning their CdTe nanocrystal composites from red to white. Journal of Polymer Science Part A, 2011, 49, 392-402.	2.5	27
23	Inverted Organic Solar Cells with Sol-Gel Processed High Work-Function Vanadium Oxide Hole-Extraction Layers. Advanced Functional Materials, 2011, 21, 4776-4783.	7.8	213
24	A new flexible monochromator setup for quick scanning x-ray absorption spectroscopy. Review of Scientific Instruments, 2010, 81, 073109.	0.6	30
25	QEXAFS and UV/Vis Simultaneous Monitoring of the TiO ₂ -Nanoparticles Formation by Hydrolytic Sol-Gel Route. Journal of Physical Chemistry C, 2010, 114, 6228-6236.	1.5	25
26	Advancing Time-resolved Methods in Monitoring and Characterization of Catalysts. Synchrotron Radiation News, 2009, 22, 6-11.	0.2	14
27	Investigation of Room Temperature Oxidation of Cu in Air by Yoneda-XAFS. AIP Conference Proceedings, 2007, , .	0.3	72
28	Recent Advances and New Applications of TimeResolved Xray Absorption Spectroscopy. Physica Scripta, 2005, , 974.	1.2	49
29	Piezo-QEXAFS: advances in time-resolved X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2001, 8, 354-356.	1.0	42
30	Piezo-QEXAFS with fluorescence detection: fast time-resolved investigations of dilute specimens. Journal of Synchrotron Radiation, 2001, 8, 6-9.	1.0	29
31	X-ray undulator beamline BW1 at DORIS III. Review of Scientific Instruments, 1995, 66, 1677-1680.	0.6	92
32	Measurement of the Energy of X-Ray Absorption Edges. Physica Status Solidi A, 1991, 124, 565-570.	1.7	11
33	New method for time dependent x-ray absorption studies. Review of Scientific Instruments, 1989, 60, 2515-2518.	0.6	180
34	Quick scanning exafs: First experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 270, 578-581.	0.7	154