

Adam P Hitchcock

List of Publications by Year in descending order

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217
papers

9,139
citations

41258

49
h-index

51492

86
g-index

227
all docs

227
docs citations

227
times ranked

7934
citing authors

#	ARTICLE	IF	CITATIONS
1	Ptychography at the carbon K-edge. <i>Communications Materials</i> , 2022, 3, .	2.9	18
2	Nanoscale chemical mapping of exometabolites at fungal–mineral interfaces. <i>Geobiology</i> , 2022, 20, 650-666.	1.1	3
3	Chemical Structure and Distribution in Nickel–Nitrogen–Carbon Catalysts for CO ₂ Electroreduction Identified by Scanning Transmission X-ray Microscopy. <i>ACS Catalysis</i> , 2022, 12, 8746-8760.	5.5	8
4	4D Imaging of ZnO-Coated Nanoporous Al ₂ O ₃ Aerogels by Chemically Sensitive Ptychographic Tomography: Implications for Designer Catalysts. <i>ACS Applied Nano Materials</i> , 2021, 4, 621-632.	2.4	14
5	Calculating absorption dose when X-ray irradiation modifies material quantity and chemistry. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 834-848.	1.0	1
6	<i>In-situ</i> and <i>Operando</i> Studies with Soft X-Ray Transmission Spectromicroscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 59-60.	0.2	5
7	Magnetosome magnetite biomineralization in a flagellated protist: evidence for an early evolutionary origin for magnetoreception in eukaryotes. <i>Environmental Microbiology</i> , 2020, 22, 1495-1506.	1.8	21
8	Characterizing surface states in hematite nanorod photoanodes, both beneficial and detrimental to solar water splitting efficiency. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20513-20530.	5.2	15
9	Imaging Reactivity of the Pt–Ionomer Interface in Fuel-Cell Catalyst Layers. <i>ACS Catalysis</i> , 2020, 10, 8285-8292.	5.5	16
10	Spatially Resolved Soft X-ray Spectroscopy in Scanning X-ray Microscopes. <i>Microscopy and Microanalysis</i> , 2019, 25, 254-255.	0.2	0
11	Magnetite magnetosome biomineralization in <i>Magnetospirillum magneticum</i> strain AMB-1: A time course study. <i>Chemical Geology</i> , 2019, 530, 119348.	1.4	22
12	Characterization of X-ray Damage to Perfluorosulfonic Acid Using Correlative Microscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16023-16033.	1.5	11
13	XRM 2018. <i>Synchrotron Radiation News</i> , 2019, 32, 28-29.	0.2	0
14	Misalignment between the magnetic dipole moment and the cell axis in the magnetotactic bacterium <i>Magnetospirillum magneticum</i> AMB-1. <i>Physical Biology</i> , 2019, 16, 066008.	0.8	4
15	Correlative Spectromicroscopy and Tomography for Biomedical Applications Involving Electron, Ion, and Soft X-ray Microscopies. <i>Microscopy Today</i> , 2019, 27, 12-19.	0.2	1
16	Electron beam damage of perfluorosulfonic acid studied by soft X-ray spectromicroscopy. <i>Micron</i> , 2019, 121, 8-20.	1.1	12
17	Electron beam damage of epoxy resin films studied by scanning transmission X-ray spectromicroscopy. <i>Micron</i> , 2019, 120, 74-79.	1.1	11
18	First-principles X-ray absorption dose calculation for time-dependent mass and optical density. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 833-847.	1.0	6

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19	4D imaging of polymer electrolyte membrane fuel cell catalyst layers by soft X-ray spectro-tomography. <i>Journal of Power Sources</i> , 2018, 381, 72-83.	4.0	48
20	X-ray Absorption and Solid-State NMR Spectroscopy of Fluorinated Proton Conducting Polymers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3233-3244.	1.5	18
21	Importance of the RpoE Regulon in Maintaining the Lipid Bilayer during Antimicrobial Treatment with the Polycationic Agent, Chlorhexidine. <i>Proteomics</i> , 2018, 18, 1700285.	1.3	10
22	X-ray Absorption Spectroscopy and Magnetism of Synthetic Greigite and Greigite Magnetosomes in Magnetotactic Bacteria. <i>Geomicrobiology Journal</i> , 2018, 35, 215-226.	1.0	6
23	How do Magnetotactic Bacteria Synthesize Magnetite? - a Soft X-ray Spectroscopy, Spectromicroscopy and Magnetism Time Course Study. <i>Microscopy and Microanalysis</i> , 2018, 24, 378-379.	0.2	1
24	Correlative Spectromicroscopy and Tomography Involving Soft X-ray Methods. <i>Microscopy and Microanalysis</i> , 2018, 24, 364-365.	0.2	0
25	Four-Dimensional Imaging of ZnO-Coated Alumina Aerogels by Scanning Transmission X-ray Microscopy and Ptychographic Tomography. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25374-25385.	1.5	13
26	Cryo scanning transmission x-ray microscope optimized for spectrotomography. <i>Review of Scientific Instruments</i> , 2018, 89, 093704.	0.6	17
27	Optimizing Soft X-ray Spectromicroscopy for Fuel Cell Studies: X-ray Damage of Ionomer.. <i>Microscopy and Microanalysis</i> , 2018, 24, 460-461.	0.2	4
28	Biom mineralization at Titanium Revealed by Correlative 4D Tomographic and Spectroscopic Methods. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800262.	1.9	13
29	Effect of UV radiation damage in air on polymer film thickness, studied by soft X-ray spectromicroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16625-16640.	1.3	8
30	High-Resolution Imaging of Polymer Electrolyte Membrane Fuel Cell Cathode Layers by Soft X-ray Spectro-Ptychography. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11709-11719.	1.5	35
31	Instrumentation for <i>in situ</i> flow electrochemical Scanning Transmission X-ray Microscopy (STXM). <i>Review of Scientific Instruments</i> , 2018, 89, 063702.	0.6	19
32	Influence of Local Environment on Inner Shell Excitation Spectra, Studied by Electron and X-ray Spectroscopy and Spectromicroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 723-745.	1.4	0
33	Membrane-Modulating Drugs can Affect the Size of Amyloid- β 25-35 Aggregates in Anionic Membranes. <i>Scientific Reports</i> , 2018, 8, 12367.	1.6	8
34	Soft X-ray Spectrotomographic Microscopy at Cryogenic Temperatures. <i>Microscopy and Microanalysis</i> , 2018, 24, 260-261.	0.2	0
35	X-ray Absorption Spectroscopy and Spectromicroscopy of Supported Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4492-4501.	1.2	5
36	Optimization of Three-Dimensional (3D) Chemical Imaging by Soft X-Ray Spectro-Tomography Using a Compressed Sensing Algorithm. <i>Microscopy and Microanalysis</i> , 2017, 23, 951-966.	0.2	11

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37	Iron Biochemistry is Correlated with Amyloid Plaque Morphology in an Established Mouse Model of Alzheimer's Disease. <i>Cell Chemical Biology</i> , 2017, 24, 1205-1215.e3.	2.5	128
38	Performance of the HERMES beamline at the carbon K-edge. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012046.	0.3	13
39	Quantitative Mapping of Ionomer in Catalyst Layers by Electron and X-ray Spectromicroscopy. <i>ECS Transactions</i> , 2017, 80, 275-282.	0.3	20
40	4d Imaging of Polymer Electrolyte Membrane Fuel Cell Cathodes by Scanning X-Ray Microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 1784-1785.	0.2	1
41	Low background, UHV compatible scintillator detector for the CLS cryo scanning soft X-ray microscope. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012045.	0.3	3
42	Advances in Structural Characterization Using Soft X-ray Scanning Transmission Microscopy (STXM): Mapping and Measuring Porosity in PEM-FC Catalyst Layers. <i>ECS Transactions</i> , 2017, 80, 241-252.	0.3	3
43	Progress in Soft X-ray Microscopy Characterization of PEM Fuel Cell Catalyst Layers. <i>Microscopy and Microanalysis</i> , 2016, 22, 1290-1291.	0.2	6
44	Electro-deposition of Cu studied with in situ electrochemical scanning transmission x-ray microscopy. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
45	Spectromicroscopy of C60 and azafullerene C59N: Identifying surface adsorbed water. <i>Scientific Reports</i> , 2016, 6, 35605.	1.6	19
46	Characterizing automotive fuel cell materials by soft x-ray scanning transmission x-ray microscopy. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5
47	Magnetic studies of magnetotactic bacteria by soft x-ray STXM and ptychography. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
48	Measuring spectroscopy and magnetism of extracted and intracellular magnetosomes using soft X-ray ptychography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8219-E8227.	3.3	75
49	Magnetic Field Landscapes Guiding the Chemisorption of Diamagnetic Molecules. <i>Langmuir</i> , 2016, 32, 10491-10496.	1.6	3
50	(Plenary) Doing More with Less: Challenges for Catalyst Layer Design. <i>ECS Transactions</i> , 2016, 75, 3-23.	0.3	7
51	Spatially resolved TiOx phases in switched RRAM devices using soft X-ray spectromicroscopy. <i>Scientific Reports</i> , 2016, 6, 21525.	1.6	27
52	Development of in-situ sample cells for scanning transmission x-ray microscopy. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
53	Soft X-ray spectromicroscopy for speciation, quantitation and nano-toxicology of nanomaterials. <i>Journal of Microscopy</i> , 2016, 261, 130-147.	0.8	20
54	Radiation damage yields across the carbon 1s excitation edge. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 206, 58-64.	0.8	13

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55	Evaluating focused ion beam and ultramicrotome sample preparation for analytical microscopies of the cathode layer of a polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2016, 312, 23-35.	4.0	22
56	Effects of fullerene (C60), multi-wall carbon nanotubes (MWCNT), single wall carbon nanotubes (SWCNT) and hydroxyl and carboxyl modified single wall carbon nanotubes on riverine microbial communities. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10090-10102.	2.7	38
57	Complex organic corona formation on carbon nanotubes reduces microbial toxicity by suppressing reactive oxygen species production. <i>Environmental Science: Nano</i> , 2016, 3, 181-189.	2.2	35
58	Quantification of the critical dose for radiation damage to perfluorosulfonic acid membranes using soft X-ray microscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 2443-2444.	0.2	5
59	Introduction of Soft X-Ray Spectromicroscopy as an Advanced Technique for Plant Biopolymers Research. <i>PLoS ONE</i> , 2015, 10, e0122959.	1.1	62
60	Inner-shell excitation spectroscopy of peroxides. <i>Chemical Physics</i> , 2015, 461, 117-124.	0.9	6
61	What is the correct Fe L23 X-ray absorption spectrum of magnetite?. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 199, 19-26.	0.8	15
62	Soft X-ray spectromicroscopy and ptychography. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 200, 49-63.	0.8	90
63	Individual Titanate Nanoribbons Studied by 3D-Resolved Polarization Dependent X-ray Absorption Spectra Measured with Scanning Transmission X-ray Microscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24192-24200.	1.5	10
64	Spectromicroscopy and coherent diffraction imaging: focus on energy materials applications. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1019-1030.	1.0	27
65	Synchrotron-Based Chemical Nano-Tomography of Microbial Cell-Mineral Aggregates in their Natural, Hydrated State. <i>Microscopy and Microanalysis</i> , 2014, 20, 531-536.	0.2	21
66	Double Cation Formation from the Photo-Fragmentation of the closo-Carboranes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 421-436.	1.4	5
67	In situ Methods for Analysis of Polymer Electrolyte Membrane Fuel Cell Materials by Soft X-ray Scanning Transmission X-ray Microscopy. <i>Microscopy and Microanalysis</i> , 2014, 20, 1532-1533.	0.2	3
68	Carbon corrosion of proton exchange membrane fuel cell catalyst layers studied by scanning transmission X-ray microscopy. <i>Journal of Power Sources</i> , 2014, 266, 66-78.	4.0	72
69	Scanning transmission X-ray microscopy of nano structured thin film catalysts for proton-exchange-membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 263, 163-174.	4.0	32
70	Microscopic and Spectroscopic Analyses of Chlorhexidine Tolerance in <i>Delftia acidovorans</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5673-5686.	1.4	20
71	Characterization of Polymer Monoliths Containing Embedded Nanoparticles by Scanning Transmission X-ray Microscopy (STXM). <i>Analytical Chemistry</i> , 2014, 86, 2876-2881.	3.2	17
72	Nickel partitioning in biogenic and abiogenic ferrihydrite: The influence of silica and implications for ancient environments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 65-79.	1.6	56

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73	Effects of Sample Preparation Technique on Quantitative Analysis of Automotive Fuel Cell Catalyst Layers. <i>Microscopy and Microanalysis</i> , 2014, 20, 472-473.	0.2	3
74	Electrochemical Reaction of Aqueous Iron Sulfate Solutions Studied by Fe L-Edge Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16343-16348.	1.5	54
75	Fabrication of sealed nanofluidic channels using site-selective direct write (maskless) X-ray lithography. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 509-518.	1.0	2
76	Sub-25nm direct write (maskless) X-ray nanolithography. <i>Microelectronic Engineering</i> , 2013, 108, 5-7.	1.1	16
77	STXM Characterization of Nanostructured Thin Film Anode Before and After Start-Up Shutdown and Reversal Tests. <i>ECS Transactions</i> , 2013, 58, 473-479.	0.3	8
78	3D Chemical Mapping of PEM Fuel Cell Cathodes by Scanning Transmission Soft X-ray SpectroTomography. <i>ECS Transactions</i> , 2013, 50, 361-368.	0.3	37
79	STXM Characterization of PEM Fuel Cell Catalyst Layers. <i>ECS Transactions</i> , 2013, 50, 405-413.	0.3	24
80	Anomalous Magnetic Orientations of Magnetosome Chains in a Magnetotactic Bacterium: <i>Magnetovibrio blakemorei</i> Strain MV-1. <i>PLoS ONE</i> , 2013, 8, e53368.	1.1	23
81	Zone plate focused soft x-ray lithography for fabrication of nanofluidic devices. , 2012, , .		2
82	Secondary electron deposition mechanism of carbon contamination. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, .	0.6	19
83	Using X-PEEM to study biomaterials: Protein and peptide adsorption to a polystyreneâ€“poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlo 2012, 185, 406-416.	0.8	10
84	Soft X-ray Spectromicroscopy of Protein Interactions with Phase-Segregated Polymer Surfaces. <i>ACS Symposium Series</i> , 2012, , 731-760.	0.5	0
85	Metallic and Semiconducting Single-Walled Carbon Nanotubes: Differentiating Individual SWCNTs by Their Carbon 1s Spectra. <i>ACS Nano</i> , 2012, 6, 10965-10972.	7.3	17
86	Monitoring the fate of copper nanoparticles in river biofilms using scanning transmission X-ray microscopy (STXM). <i>Chemical Geology</i> , 2012, 329, 18-25.	1.4	37
87	Characterisation of the dissimilatory reduction of Fe(III)â€“oxyhydroxide at the microbe â€“ mineral interface: the application of STXMâ€“XMCD. <i>Geobiology</i> , 2012, 10, 347-354.	1.1	39
88	Examining the chemistry and magnetism of magnetotactic bacterium <i>Candidatus Magnetovibrio blakemorei</i> strain MV-1 using scanning transmission X-ray microscopy. <i>Chemical Geology</i> , 2012, 300-301, 14-23.	1.4	15
89	Experimental investigation of beam heating in a soft X-ray scanning transmission X-ray microscope. <i>Analyst</i> , The, 2012, 137, 370-375.	1.7	21
90	Accurate dosimetry in scanning transmission X-ray microscopes<i>via</i>the cross-linking threshold dose of poly(methyl methacrylate). <i>Journal of Synchrotron Radiation</i> , 2012, 19, 976-987.	1.0	28

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91	Advances in the Detection of As in Environmental Samples Using Low Energy X-ray Fluorescence in a Scanning Transmission X-ray Microscope: Arsenic Immobilization by an Fe(II)-Oxidizing Freshwater Bacteria. <i>Environmental Science & Technology</i> , 2012, 46, 2821-2829.	4.6	60
92	Probing platinum degradation in polymer electrolyte membrane fuel cells by synchrotron X-ray microscopy. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4835.	1.3	26
93	Mapping defects in a carbon nanotube by momentum transfer dependent electron energy loss spectromicroscopy. <i>Ultramicroscopy</i> , 2012, 113, 158-164.	0.8	17
94	Interfacial Interactions in Polypropylene-Organoclay-Elastomer Nanocomposites: Influence of Polar Modifications on the Location of the Clay. <i>Macromolecules</i> , 2011, 44, 2179-2189.	2.2	30
95	Investigating the effects of L- to D-amino acid substitution and deamidation on the activity and membrane interactions of antimicrobial peptide anoplin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1592-1600.	1.4	32
96	Measurement of the point spread function of a soft x-ray microscope by single pixel exposure of photoresists. <i>Proceedings of SPIE</i> , 2011, , .	0.8	8
97	Zone plate focused soft X-ray lithography. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 1-11.	1.1	22
98	Imaging interactions of cationic antimicrobial peptides with model lipid monolayers using X-ray spectromicroscopy. <i>European Biophysics Journal</i> , 2011, 40, 805-810.	1.2	13
99	Investigating the effect of a single glycine to alanine substitution on interactions of antimicrobial peptide latarcinA2a with a lipid membrane. <i>European Biophysics Journal</i> , 2011, 40, 1087-1100.	1.2	34
100	Polyurea microcapsules: Surface modification and capsule size control. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3038-3047.	2.5	25
101	Effect of humidity on individual SnO2 coated carbon nanotubes studied by in situ STXM. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 296-300.	0.8	10
102	Understanding energy loss in large-angle scattering of keV electrons from Ar and Ne. <i>Physical Review A</i> , 2011, 83, .	1.0	16
103	Nano to Micro Scale Characterization of Water Uptake in The Catalyst Coated Membrane Measured by Soft X-ray Scanning Transmission X-ray Microscopy. <i>ECS Transactions</i> , 2011, 41, 395-402.	0.3	14
104	STXM Study of the Ionomer Distribution in the PEM Fuel Cell Catalyst Layers. <i>ECS Transactions</i> , 2011, 41, 629-635.	0.3	42
105	X-ray spectromicroscopy study of ubiquitin adsorption to plasma polymerized microstructures. <i>Surface and Interface Analysis</i> , 2010, 42, 830-834.	0.8	2
106	Advanced imaging techniques for assessment of structure, composition and function in biofilm systems. <i>FEMS Microbiology Ecology</i> , 2010, 72, 1-21.	1.3	187
107	Characterization of Biomaterials by Soft X-Ray Spectromicroscopy. <i>Materials</i> , 2010, 3, 3911-3938.	1.3	37
108	Comparative Study of the Valence Electronic Excitations of N_{2C} by Inelastic X-Ray and Electron Scattering. <i>Physical Review Letters</i> , 2010, 105, 053202.	2.9	39

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109	Measuring Point Defect Density in Individual Carbon Nanotubes Using Polarization-Dependent X-ray Microscopy. <i>ACS Nano</i> , 2010, 4, 4431-4436.	7.3	36
110	An X-ray Spectromicroscopy Study of Protein Adsorption to Polystyrene~Poly(ethylene oxide) Blends. <i>Langmuir</i> , 2010, 26, 14759-14765.	1.6	19
111	Characterization of Single-Walled Carbon Nanotubes by Scanning Transmission X-ray Spectromicroscopy: Purification, Order and Dodecyl Functionalization. <i>Journal of the American Chemical Society</i> , 2010, 132, 9020-9029.	6.6	30
112	Characterizing magnetism of individual magnetosomes by X-ray magnetic circular dichroism in a scanning transmission X-ray microscope. <i>Chemical Geology</i> , 2010, 270, 110-116.	1.4	67
113	Morphological and biochemical changes in <i>Pseudomonas fluorescens</i> biofilms induced by sub-inhibitory exposure to antimicrobial agents. <i>Canadian Journal of Microbiology</i> , 2009, 55, 163-178.	0.8	47
114	Scanning transmission X-ray microscopy of multi-walled carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012106.	0.3	2
115	Electron Compton-like quasielastic scattering from H ₂ , D ₂ , and HD. <i>Journal of Chemical Physics</i> , 2009, 130, 144303.	1.2	13
116	Mapping molecular orientation in dry and wet <i>Nephila clavipes</i> dragline spider silk. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012089.	0.3	7
117	Advances in structural and chemical analysis of catalyst-coated membranes for hydrogen fuel cell applications. <i>Membrane Technology</i> , 2009, 2009, 6-12.	0.5	7
118	Fission processes following core level excitation in closo- <i>1,2-orthocarborane</i> . <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1496-1503.	0.7	4
119	Soft X-ray spectromicroscopy of nickel sorption in a natural river biofilm. <i>Geobiology</i> , 2009, 7, 432-453.	1.1	82
120	Soft X-ray spectro-tomography study of cyanobacterial biomineral nucleation. <i>Geobiology</i> , 2009, 7, 577-591.	1.1	49
121	Optimization of analysis of soft X-ray spectromicroscopy at the Ca 2p edge. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 173, 44-49.	0.8	38
122	X-ray Spectromicroscopy Study of Protein Adsorption to a Polystyrene~Polylactide Blend. <i>Biomacromolecules</i> , 2009, 10, 1838-1845.	2.6	32
123	Imaging Hydrated Albumin on a Polystyrene~Poly(methyl methacrylate) Blend Surface with X-ray Spectromicroscopy. <i>Langmuir</i> , 2009, 25, 13332-13335.	1.6	17
124	Microbial Architecture of Environmental Sulfur Processes: A Novel Syntrophic Sulfur-Metabolizing Consortia. <i>Environmental Science & Technology</i> , 2009, 43, 8781-8786.	4.6	32
125	A New Approach to Studying Microcapsule Wall Growth Mechanisms. <i>Macromolecules</i> , 2009, 42, 2428-2432.	2.2	32
126	Quantitative Evaluation of Radiation Damage to Polyethylene Terephthalate by Soft X-rays and High-energy Electrons. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1869-1876.	1.2	66

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127	Phase Segregation in Polystyrene~Polylactide Blends. <i>Macromolecules</i> , 2009, 42, 1679-1684.	2.2	43
128	3-d chemical imaging with STXM tomography. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012045.	0.3	5
129	3-d chemical imaging using angle-scan nanotomography in a soft X-ray scanning transmission X-ray microscope. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 447-452.	1.1	25
130	Polarization Dependence of the C 1s X-ray Absorption Spectra of Individual Multi-Walled Carbon Nanotubes. <i>Small</i> , 2008, 4, 2279-2285.	5.2	46
131	NEXAFS microscopy and resonant scattering: Composition and orientation probed in real and reciprocal space. <i>Polymer</i> , 2008, 49, 643-675.	1.8	261
132	Comparison of NEXAFS microscopy and TEM-EELS for studies of soft matter. <i>Micron</i> , 2008, 39, 311-319.	1.1	86
133	Comparison of NEXAFS microscopy and TEM-EELS for studies of soft matter. <i>Micron</i> , 2008, 39, 741-748.	1.1	58
134	X-ray spectromicroscopy study of competitive adsorption of protein and peptide onto polystyrene-poly(methyl methacrylate). <i>Biointerphases</i> , 2008, 3, FB27-FB35.	0.6	14
135	Mapping the Speciation of Iron in <i>Pseudomonas aeruginosa</i> Biofilms Using Scanning Transmission X-ray Microscopy. <i>Environmental Science & Technology</i> , 2008, 42, 8766-8772.	4.6	43
136	X-ray Microscopy Studies of Protein Adsorption on a Phase Segregated Polystyrene/Polymethylmethacrylate Surface. 2. Effect of pH on Site Preference. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2150-2158.	1.2	32
137	Anomalous Quasielastic Electron Scattering from Single H ₂ , D ₂ , and HD Molecules at Large Momentum Transfer: Indications of Nuclear Spin Effects. <i>Physical Review Letters</i> , 2008, 100, 043204.	2.9	37
138	Quantitative chemistry and orientation of polymers in 2-d and 3-d by scanning transmission X-ray microscopy. , 2008, , 753-754.		0
139	Quasielastic electron scattering from methane, methane-d ₄ , methane-d ₂ , ethylene, and 2-methylpropane. <i>Journal of Chemical Physics</i> , 2007, 127, 084315.	1.2	13
140	In situ azimuthal rotation device for linear dichroism measurements in scanning transmission x-ray microscopy. <i>Review of Scientific Instruments</i> , 2007, 78, 033703.	0.6	15
141	Nephilaclavipes Spider Dragline Silk Microstructure Studied by Scanning Transmission X-ray Microscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 3897-3905.	6.6	70
142	Individual Multiwall Carbon Nanotubes Spectroscopy by Scanning Transmission X-ray Microscopy. <i>Nano Letters</i> , 2007, 7, 2435-2440.	4.5	51
143	Using Intrinsic X-ray Absorption Spectral Differences To Identify and Map Peptides and Proteins. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7691-7699.	1.2	83
144	Chemically Selective Soft X-ray Direct-Write Patterning of Multilayer Polymer Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16330-16338.	1.5	18

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145	Electron Compton scattering from methane and methane-d4. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 155, 28-34.	0.8	19
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