Maya Kiskinova

List of Publications by Year
in descending order

50 papers	2,240 citations	257450 24 h-index	214800 47 g-index
52 all docs	52 docs citations	52 times ranked	2843 citing authors

#	Article	IF	Citations
1	X-ray imaging and micro-spectroscopy unravel the role of zincate and zinc oxide in the cycling of zinc anodes in mildly acidic aqueous electrolytes. Journal of Power Sources, 2022, 524, 231063.	7.8	5
2	The role of chromium in the corrosion performance of cobalt- and cobalt-nickel based hardmetal binders: A study centred on X-ray absorption microspectroscopy. International Journal of Refractory Metals and Hard Materials, 2020, 92, 105320.	3.8	11
3	In situ photoelectron spectromicroscopy for the investigation of solid oxideâ€"based electrochemical systems. , 2020, , 55-89.		0
4	Scanning Photoelectron Microscopy: Past, Present and Future. Springer Handbooks, 2020, , 427-448.	0.6	1
5	Exploring the multiparameter nature of EUV-visible wave mixing at the FERMI FEL. Structural Dynamics, 2019, 6, 040901.	2.3	3
6	C₆₈: A non-IPR fullerene capable of binding extraordinary amounts of Cs atoms. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 206-214.	2.1	2
7	Operando soft Xâ€ray microscope study of rechargeable Znâ€"air battery anodes in deep eutectic solvent electrolyte. X-Ray Spectrometry, 2019, 48, 527-535.	1.4	8
8	Highâ€Temperature Cs_xC₅₈ Fullerides. Physica Status Solidi (B): Basic Research, 2019, 256, 1800453.	1.5	2
9	Characterization of ultrafast free-electron laser pulses using extreme-ultraviolet transient gratings. Journal of Synchrotron Radiation, 2018, 25, 32-38.	2.4	12
10	Advances in instrumentation for FEL-based four-wave-mixing experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 907, 132-148.	1.6	18
11	Photoelectron microscopy at Elettra: Recent advances and perspectives. Journal of Electron Spectroscopy and Related Phenomena, 2018, 224, 59-67.	1.7	18
12	Seeded X-ray free-electron laser generating radiation with laser statistical properties. Nature Communications, 2018, 9, 4498.	12.8	51
13	Monitoring dynamic electrochemical processes with in situ ptychography. Applied Nanoscience (Switzerland), 2018, 8, 627-636.	3.1	5
14	Depth-Dependent Scanning Photoelectron Microspectroscopy Unravels the Mechanism of Dynamic Pattern Formation in Alloy Electrodeposition. Journal of Physical Chemistry C, 2018, 122, 15996-16007.	3.1	7
15	Soft X-ray ptychography as a tool for in operando morphochemical studies of electrodeposition processes with nanometric lateral resolution. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 147-155.	1.7	10
16	Shedding light on electrodeposition dynamics tracked in situ via soft X-ray coherent diffraction imaging. Nano Research, 2016, 9, 2046-2056.	10.4	16
17	Recent Approaches for Bridging the Pressure Gap in Photoelectron Microspectroscopy. Topics in Catalysis, 2016, 59, 448-468.	2.8	45
18	Characterization of catalytic materials with scanning photoelectron microscopy: Present and future. Surface Science, 2016, 652, 20-25.	1.9	7

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19	Four-wave mixing experiments with extreme ultraviolet transient gratings. Nature, 2015, 520, 205-208.	27.8	184
20	Electrodeposition of a Mnâ€“Cuâ€“ZnO Hybrid Material for Supercapacitors: A Soft Xâ€ray Fluorescence and Absorption Microspectroscopy Study. ChemElectroChem, 2014, 1, 392-399.	3.4	4
21	Photoelectron spectroscopy of wet and gaseous samples through graphene membranes. Nanoscale, 2014, 6, 14394-14403.	5.6	78
22	In-situ Photoelectron Microspectroscopy and Imaging of Electrochemical Processes at the Electrodes of a Self-driven Cell. Scientific Reports, 2013, 3, 2848.	3.3	22
23	Fabrication and testing of an electrochemical microcell for in situ soft X-ray microspectroscopy measurements. Journal of Physics: Conference Series, 2013, 425, 182010.	0.4	9
24	Two-colour pumpâ€“probe experiments with a twin-pulse-seed extreme ultraviolet free-electron laser. Nature Communications, 2013, 4, 2476.	12.8	156
25	In-situ photoelectron microspectroscopy during the operation of a single-chamber SOFC. Electrochemistry Communications, 2012, 24, 104-107.	4.7	25
26	Microscale Evolution of Surface Chemistry and Morphology of the Key Components in Operating Hydrocarbon-Fuelled SOFCs. Journal of Physical Chemistry C, 2012, 116, 23188-23193.	3.1	12
27	In Situ Electrochemical X-ray Spectromicroscopy Investigation of the Reduction/Reoxidation Dynamics of Niâ€“Cu Solid Oxide Fuel Cell Anodic Material in Contact with a Cr Interconnect in 2 Ã— 10^{â€“6} mbar O₂. Journal of Physical Chemistry C, 2012, 116, 7243-7248.	3.1	13
28	Graphene oxide windows for in situ environmental cell photoelectron spectroscopy. Nature Nanotechnology, 2011, 6, 651-657.	31.5	197
29	Scanning Photoelectron Microscopy: a Powerful Technique for Probing Micro and Nano-Structures. E-Journal of Surface Science and Nanotechnology, 2011, 9, 158-162.	0.4	54
30	Inâ€…Situ Xâ€Ray Spectromicroscopy Investigation of the Material Stability of SOFC Metal Interconnects in Operating Electrochemical Cells. ChemSusChem, 2011, 4, 1099-1103.	6.8	19
31	Contactless monitoring of the diameter-dependent conductivity of GaAs nanowires. Nano Research, 2010, 3, 706-713.	10.4	25
32	Metallic Plate Corrosion and Uptake of Corrosion Products by Nafion in Polymer Electrolyte Membrane Fuel Cells. ChemSusChem, 2010, 3, 846-850.	6.8	27
33	Oxidation of Supported PtRh Particles: Size and Morphology Effects. Journal of Physical Chemistry C, 2010, 114, 16885-16891.	3.1	7
34	Imaging and Spectroscopy of Multiwalled Carbon Nanotubes during Oxidation: Defects and Oxygen Bonding. Advanced Materials, 2009, 21, 1916-1920.	21.0	85
35	Synchrotron-based photoelectron microscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 601, 195-202.	1.6	36
36	An in Situ Synchrotron-Based Soft X-ray Microscopy Investigation of Ni Electrodeposition in a Thin-Layer Cell. Journal of Physical Chemistry C, 2009, 113, 9783-9787.	3.1	38

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37	Nanoscale morphology and oxidation of ion-sputtered Rh(110) and Ru(0001). Journal of Electron Spectroscopy and Related Phenomena, 2008, 166-167, 89-93.	1.7	9
38	Characterization of indium tin oxide surfaces after KOH and HCl treatments. Organic Electronics, 2008, 9, 253-261.	2.6	22
39	MgO-Supported Rhodium Particles and Films: Size, Morphology, and Reactivity. Journal of Physical Chemistry C, 2008, 112, 9040-9044.	3.1	15
40	<i>In Situ</i>X-Ray Photoelectron Spectroscopy Studies of Gas-Solid Interfaces at Near-Ambient Conditions. MRS Bulletin, 2007, 32, 1022-1030.	3.5	180
41	Defect-Controlled Transport Properties of Metallic Atoms along Carbon Nanotube Surfaces. Physical Review Letters, 2007, 99, 046803.	7.8	31
42	Degradation of organic light-emitting diodes under different environment at high drive conditions. Organic Electronics, 2007, 8, 37-43.	2.6	78
43	Mechanism of dark-spot degradation of organic light-emitting devices. Applied Physics Letters, 2005, 86, 041105.	3.3	53
44	Initial Oxidation of a Rh(110) Surface Using Atomic or Molecular Oxygen and Reduction of the Surface Oxide by Hydrogen. Journal of Physical Chemistry B, 2005, 109, 13649-13655.	2.6	48
45	Identification of Subsurface Oxygen Species Created during Oxidation of Ru(0001). Journal of Physical Chemistry B, 2005, 109, 14052-14058.	2.6	75
46	48-Channel electron detector for photoemission spectroscopy and microscopy. Review of Scientific Instruments, 2004, 75, 64-68.	1.3	74
47	Spectral and spatial anisotropy of the oxide growth onRu(0001). Journal of Chemical Physics, 2002, 117, 8104-8109.	3.0	47
48	Photoelectron microscopy and applications in surface and materials science. Progress in Surface Science, 2002, 70, 187-260.	8.3	187
49	Artefact formation in scanning photoelectron emission microscopy. Ultramicroscopy, 1998, 75, 35-51.	1.9	68
50	ESCA Microscopy at ELETTRA: what it is like to perform spectromicroscopy experiments on a third generation synchrotron radiation source. Journal of Electron Spectroscopy and Related Phenomena, 1997, 84, 73-83.	1.7	137