Sabine Schlabach

List of Publications by Year
in descending order

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28	897	567144 15	501076 28
papers	citations	h-index	g-index

28	28	28	1859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoinduced Chargeâ€Carrier Generation in Epitaxial MOF Thin Films: High Efficiency as a Result of an Indirect Electronic Band Gap?. Angewandte Chemie - International Edition, 2015, 54, 7441-7445.	7.2	206
2	Long-Term Stable Adhesion for Conducting Polymers in Biomedical Applications: IrOx and Nanostructured Platinum Solve the Chronic Challenge. ACS Applied Materials & Interfaces, 2017, 9, 189-197.	4.0	143
3	The influence of void space on ion transport in a composite cathode for all-solid-state batteries. Journal of Power Sources, 2018, 396, 363-370.	4.0	71
4	Peculiarities of deformation of CoCrFeMnNi at cryogenic temperatures. Journal of Materials Research, 2018, 33, 3287-3300.	1.2	56
5	Microwave Plasma Synthesis of Materialsâ€”From Physics and Chemistry to Nanoparticles: A Materials Scientistâ€™s Viewpoint. Inorganics, 2014, 2, 468-507.	1.2	53
6	Combinatorial exploration of the High Entropy Alloy System Co-Cr-Fe-Mn-Ni. Surface and Coatings Technology, 2017, 325, 174-180.	2.2	43
7	Analysis of packing microstructure and wall effects in a narrow-bore ultrahigh pressure liquid chromatography column using focused ion-beam scanning electron microscopy. Journal of Chromatography A, 2017, 1513, 172-182.	1.8	40
8	Local Structure and Magnetism of Fe2O3 Maghemite Nanocrystals: The Role of Crystal Dimension. Nanomaterials, 2020, 10, 867.	1.9	37
9	The influence of Y and Nb addition on the corrosion resistance of Fe-Cr-Al-Ni model alloys exposed to oxygen-containing molten Pb. Corrosion Science, 2021, 179, 109152.	3.0	27
10	Tailoring magnetic frustration in strained epitaxial FeRh films. Physical Review B, 2016, 93, .	1.1	22
11	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. Angewandte Chemie - International Edition, 2018, 57, 13662-13665.	7.2	20
12	Secondâ€Harmonic Generation from ZnO/Al₂O₃ Nanolaminate Optical Metamaterials Grown by Atomicâ€Layer Deposition. Advanced Optical Materials, 2016, 4, 1203-1208.	3.6	19
13	Threeâ€Phase Reconstruction Reveals How the Microscopic Structure of the Carbonâ€Binder Domain Affects Ion Transport in Lithiumâ€Ion Batteries. Batteries and Supercaps, 2021, 4, 1363-1373.	2.4	19
14	Compatibility and microstructure evolution of Al-Cr-Fe-Ni high entropy model alloys exposed to oxygen-containing molten lead. Corrosion Science, 2021, 189, 109593.	3.0	18
15	Structural and chemical characterization of SnO2-based nanoparticles as electrode material in Li-ion batteries. Journal of Materials Science, 2012, 47, 4383-4391.	1.7	16
16	Sheet-type all-solid-state batteries with sulfidic electrolytes: Analysis of kinetic limitations based on a cathode morphology study. Journal of Power Sources, 2021, 505, 230064.	4.0	15
17	Reconstructionâ€“Simulation Approach Verifies Impedance-Derived Ion Transport Tortuosity of a Graphite Battery Electrode. Journal of the Electrochemical Society, 2018, 165, A3156-A3163.	1.3	14
18	X-ray fluorescence nano-imaging of long-term operated solid oxide electrolysis cells. Journal of Power Sources, 2019, 421, 100-108.	4.0	13

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19	Nanogranular SnO2 Layers for Gas Sensing Applications by In Situ Deposition of Nanoparticles Produced by the Karlsruhe Microwave Plasma Process. Plasma Processes and Polymers, 2007, 4, S865-S870.	1.6	10
20	Development of nanocomposites for anode materials in Liâ€ion batteries. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 471-473.	0.8	10
21	Nanoparticles in polymer-matrix composites. Microsystem Technologies, 2011, 17, 183-193.	1.2	9
22	Molecular Dynamics of Polymer Composites Using Rheology and Combined RheoNMR on the Example of TiO₂-Filled Poly(n-Alkyl Methacrylates) and Trans-1,4-Polyisoprene. Soft Materials, 2014, 12, S4-S13.	0.8	8
23	Nanoscaled Fractal Superstructures via Laser Patterningâ€”A Versatile Route to Metallic Hierarchical Porous Materials. Advanced Materials Interfaces, 2021, 8, 2000253.	1.9	8
24	Investigation of Polymerâ€Filler Interactions in TiO₂â€Filled Poly(nâ€alkyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 851-858.	1.1	6
25	Epitaxial strain-engineered self-assembly of magnetic nanostructures in FeRh thin films. Journal Physics D: Applied Physics, 2017, 50, 025007.	1.3	6
26	Epitaxial strain adaptation in chemically disordered FeRh thin films. Physical Review B, 2019, 99, .	1.1	5
27	Structural characterisation of Fe2O3nanoparticles. Journal of Physics: Conference Series, 2016, 712, 012105.	0.3	2
28	Understanding Hindered Diffusion & Flow in Hierarchical Porous Networks Combining Electron Tomography and Pore-Scale Simulations. Microscopy and Microanalysis, 2019, 25, 406-407.	0.2	1