

# Sabine Schlabach

## List of Publications by Year in descending order

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28  
papers

897  
citations

567144

15  
h-index

501076

28  
g-index

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28  
docs citations

28  
times ranked

1859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscaled Fractal Superstructures via Laser Patterning—A Versatile Route to Metallic Hierarchical Porous Materials. <i>Advanced Materials Interfaces</i> , 2021, 8, 2000253.	1.9	8
2	The influence of Y and Nb addition on the corrosion resistance of Fe-Cr-Al-Ni model alloys exposed to oxygen-containing molten Pb. <i>Corrosion Science</i> , 2021, 179, 109152.	3.0	27
3	Three-Phase Reconstruction Reveals How the Microscopic Structure of the Carbon-Binder Domain Affects Ion Transport in Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 1363-1373.	2.4	19
4	Compatibility and microstructure evolution of Al-Cr-Fe-Ni high entropy model alloys exposed to oxygen-containing molten lead. <i>Corrosion Science</i> , 2021, 189, 109593.	3.0	18
5	Sheet-type all-solid-state batteries with sulfidic electrolytes: Analysis of kinetic limitations based on a cathode morphology study. <i>Journal of Power Sources</i> , 2021, 505, 230064.	4.0	15
6	Local Structure and Magnetism of Fe <sub>2</sub> O <sub>3</sub> Maghemite Nanocrystals: The Role of Crystal Dimension. <i>Nanomaterials</i> , 2020, 10, 867.	1.9	37
7	Understanding Hindered Diffusion & Flow in Hierarchical Porous Networks Combining Electron Tomography and Pore-Scale Simulations. <i>Microscopy and Microanalysis</i> , 2019, 25, 406-407.	0.2	1
8	X-ray fluorescence nano-imaging of long-term operated solid oxide electrolysis cells. <i>Journal of Power Sources</i> , 2019, 421, 100-108.	4.0	13
9	Epitaxial strain adaptation in chemically disordered FeRh thin films. <i>Physical Review B</i> , 2019, 99, .	1.1	5
10	Reconstruction—Simulation Approach Verifies Impedance-Derived Ion Transport Tortuosity of a Graphite Battery Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3156-A3163.	1.3	14
11	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13662-13665.	7.2	20
12	Peculiarities of deformation of CoCrFeMnNi at cryogenic temperatures. <i>Journal of Materials Research</i> , 2018, 33, 3287-3300.	1.2	56
13	The influence of void space on ion transport in a composite cathode for all-solid-state batteries. <i>Journal of Power Sources</i> , 2018, 396, 363-370.	4.0	71
14	Combinatorial exploration of the High Entropy Alloy System Co-Cr-Fe-Mn-Ni. <i>Surface and Coatings Technology</i> , 2017, 325, 174-180.	2.2	43
15	Epitaxial strain-engineered self-assembly of magnetic nanostructures in FeRh thin films. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025007.	1.3	6
16	Long-Term Stable Adhesion for Conducting Polymers in Biomedical Applications: IrO <sub>x</sub> and Nanostructured Platinum Solve the Chronic Challenge. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 189-197.	4.0	143
17	Analysis of packing microstructure and wall effects in a narrow-bore ultrahigh pressure liquid chromatography column using focused ion-beam scanning electron microscopy. <i>Journal of Chromatography A</i> , 2017, 1513, 172-182.	1.8	40
18	Second-Harmonic Generation from ZnO/Al <sub>2</sub> O <sub>3</sub> Nanolaminate Optical Metamaterials Grown by Atomic-Layer Deposition. <i>Advanced Optical Materials</i> , 2016, 4, 1203-1208.	3.6	19

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19	Tailoring magnetic frustration in strained epitaxial FeRh films. <i>Physical Review B</i> , 2016, 93, .	1.1	22
20	Structural characterisation of Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012105.	0.3	2
21	Photoinduced Charge-Carrier Generation in Epitaxial MOF Thin Films: High Efficiency as a Result of an Indirect Electronic Band Gap?. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7441-7445.	7.2	206
22	Microwave Plasma Synthesis of Materials-From Physics and Chemistry to Nanoparticles: A Materials Scientist's Viewpoint. <i>Inorganics</i> , 2014, 2, 468-507.	1.2	53
23	Molecular Dynamics of Polymer Composites Using Rheology and Combined RheoNMR on the Example of TiO <sub>2</sub> -Filled Poly(n-Alkyl Methacrylates) and Trans-1,4-Polyisoprene. <i>Soft Materials</i> , 2014, 12, S4-S13.	0.8	8
24	Investigation of Polymer-Filler Interactions in TiO <sub>2</sub> -Filled Poly( <i>n</i> -alkyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 851-858.	1.1	6
25	Structural and chemical characterization of SnO <sub>2</sub> -based nanoparticles as electrode material in Li-ion batteries. <i>Journal of Materials Science</i> , 2012, 47, 4383-4391.	1.7	16
26	Nanoparticles in polymer-matrix composites. <i>Microsystem Technologies</i> , 2011, 17, 183-193.	1.2	9
27	Development of nanocomposites for anode materials in Li-ion batteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 471-473.	0.8	10
28	Nanogranular SnO <sub>2</sub> Layers for Gas Sensing Applications by In Situ Deposition of Nanoparticles Produced by the Karlsruhe Microwave Plasma Process. <i>Plasma Processes and Polymers</i> , 2007, 4, S865-S870.	1.6	10