Mirijam Zobel

List of Publications by Year
in descending order

27	787	687363 13	552781 26
papers	citations	h-index	g-index

27	27	27	1338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanochemical Synthesis: A Tool to Tune Cation Site Disorder and Ionic Transport Properties of Li₃MCl₆ (M = Y, Er) Superionic Conductors. Advanced Energy Materials, 2020, 10, 1903719.	19.5	173
2	Universal solvent restructuring induced by colloidal nanoparticles. Science, 2015, 347, 292-294.	12.6	172
3	Rapid Crystallization and Kinetic Freezing of Site-Disorder in the Lithium Superionic Argyrodite Li₆PS₅Br. Chemistry of Materials, 2019, 31, 10178-10185.	6.7	72
4	Na_{3â€“x}Er_{1â€“x}Zr_xCl₆â€”A Halide-Based Fast Sodium-Ion Conductor with Vacancy-Driven Ionic Transport. ACS Applied Energy Materials, 2020, 3, 10164-10173.	5.1	68
5	Atomic insight into hydration shells around facetted nanoparticles. Nature Communications, 2019, 10, 995.	12.8	45
6	Pushing data quality for laboratory pair distribution function experiments. Review of Scientific Instruments, 2019, 90, 043905.	1.3	34
7	Formation of Highly Ordered VO₂ Nanotubular/Nanoporous Layers and Their Supercooling Effect in Phase Transitions. Advanced Materials, 2012, 24, 1571-1575.	21.0	24
8	Coâ€Catalyzed Synthesis of Primary Amines via Reductive Amination employing Hydrogen under very mild Conditions. ChemSusChem, 2021, 14, 2360-2366.	6.8	22
9	Hard X-ray-based techniques for structural investigations of CO₂ methanation catalysts prepared by MOF decomposition. Nanoscale, 2020, 12, 15800-15813.	5.6	19
10	A Family of Lanthanide Hydroxo Carboxylates with 1D Polymeric Topology and Ln₄ Butterfly Core Exhibits Switchable Supramolecular Arrangement. Inorganic Chemistry, 2021, 60, 8049-8061.	4.0	18
11	Oxygen Evolution Catalysis with MÃ¶ssbaueriteâ€”A Trivalent Ironâ€Only Layered Double Hydroxide. Chemistry - A European Journal, 2018, 24, 9004-9008.	3.3	15
12	Observing structural reorientations at solventâ€“nanoparticle interfaces by X-ray diffraction â€“ putting water in the spotlight. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, 621-631.	0.1	14
13	Digitization in Catalysis Research: Towards a Holistic Description of a Ni/Al₂O₃ Reference Catalyst for CO₂ Methanation. ChemCatChem, 2022, 14, .	3.7	14
14	General Synthesis of Secondary Alkylamines by Reductive Alkylation of Nitriles by Aldehydes and Ketones. Chemistry - A European Journal, 2021, 27, 1609-1614.	3.3	13
15	Room-temperature solâ€“gel synthesis of organic ligand-capped ZnO nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	12
16	Structure determination of molecular nanocomposites by combining pair distribution function analysis and solid-state NMR. RSC Advances, 2015, 5, 8895-8902.	3.6	11
17	The evolution of crystalline ordering for ligand-ornamented zinc oxide nanoparticles. CrystEngComm, 2016, 18, 2163-2172.	2.6	11
18	Morphogenesis of Magnetite Mesocrystals: Interplay between Nanoparticle Morphology and Solvation Shell. Chemistry of Materials, 2021, 33, 9119-9130.	6.7	11

#	Article	IF	Citations
19	Magnetic properties and structural analysis on spinel MnFe₂O₄ nanoparticles prepared via nonâ€aqueous microwave synthesis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 2061-2072.	1.2	10
20	Structural Features and the Li-Ion Diffusion Mechanism in Tantalum-Doped Li₇La₃Zr₂O₁₂ Solid Electrolytes. ACS Applied Energy Materials, 2022, 5, 2959-2967.	5.1	9
21	Structural Anomalies and Electronic Properties of an Ionic Liquid under Nanoscale Confinement. Journal of Physical Chemistry Letters, 2020, 11, 6150-6155.	4.6	5
22	CO Hydrogenation to Methanol over Cu/MgO Catalysts and Their Synthesis from Amorphous Magnesian Georgeite Precursors. ChemCatChem, 2022, 14, .	3.7	5
23	Longâ€Term Colloidally Stable Aqueous Dispersions of â‰5â€…nm Spinel Ferrite Nanoparticles. ChemistryOpen, 2020, 9, 1214-1220.	1.9	3
24	Correlating Proton Diffusion in Perovskite Triple-Conducting Oxides with Local and Defect Structure. Chemistry of Materials, 2022, 34, 4785-4794.	6.7	3
25	Free-film small-angle neutron scattering: a novel container-free in situ sample environment with minimized H/D exchange. Journal of Applied Crystallography, 2019, 52, 284-288.	4.5	2
26	Quality or Quantity? How Structural Parameters Affect Catalytic Activity of Iron Oxides for CO Oxidation. Catalysts, 2022, 12, 675.	3.5	2
27	FestkÃ¶rperchemie. Nachrichten Aus Der Chemie, 2021, 69, 40-46.	0.0	0