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	Digitization in Catalysis Research: Towards a Holistic Description of a Ni/Al₂O₃ Reference Catalyst for CO₂ Methanation. ChemCatChem, 2022, 14, .	3.7	14
2	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
3	Correlating Proton Diffusion in Perovskite Triple-Conducting Oxides with Local and Defect Structure. Chemistry of Materials, 2022, 34, 4785-4794.	6.7	3
4	CO Hydrogenation to Methanol over Cu/MgO Catalysts and Their Synthesis from Amorphous Magnesian Georgeite Precursors. ChemCatChem, 2022, 14, .	3.7	5
5	Quality or Quantity? How Structural Parameters Affect Catalytic Activity of Iron Oxides for CO Oxidation. Catalysts, 2022, 12, 675.	3.5	2
6	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
7	FestkÃ¶rperchemie. Nachrichten Aus Der Chemie, 2021, 69, 40-46.	0.0	0
8	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
9	Coâ€Catalyzed Synthesis of Primary Amines via Reductive Amination employing Hydrogen under very mild Conditions. ChemSusChem, 2021, 14, 2360-2366.	6.8	22
10	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
11	Morphogenesis of Magnetite Mesocrystals: Interplay between Nanoparticle Morphology and Solvation Shell. Chemistry of Materials, 2021, 33, 9119-9130.	6.7	11
12	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
13	Hard X-ray-based techniques for structural investigations of CO₂ methanation catalysts prepared by MOF decomposition. Nanoscale, 2020, 12, 15800-15813.	5.6	19
14	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
15	Longâ€Term Colloidally Stable Aqueous Dispersions of â‰5â€…nm Spinel Ferrite Nanoparticles. ChemistryOpen, 2020, 9, 1214-1220.	1.9	3
16	Structural Anomalies and Electronic Properties of an Ionic Liquid under Nanoscale Confinement. Journal of Physical Chemistry Letters, 2020, 11, 6150-6155.	4.6	5
17	Pushing data quality for laboratory pair distribution function experiments. Review of Scientific Instruments, 2019, 90, 043905.	1.3	34
18	Atomic insight into hydration shells around facetted nanoparticles. Nature Communications, 2019, 10, 995.	12.8	45

#	Article	IF	Citations
19	Rapid Crystallization and Kinetic Freezing of Site-Disorder in the Lithium Superionic Argyrodite Li₆PS₅Br. Chemistry of Materials, 2019, 31, 10178-10185.	6.7	72
20	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
21	Oxygen Evolution Catalysis with MÃ¶ssbaueriteâ€"A Trivalent Ironâ€Only Layered Double Hydroxide. Chemistry - A European Journal, 2018, 24, 9004-9008.	3.3	15
22	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
23	The evolution of crystalline ordering for ligand-ornamented zinc oxide nanoparticles. CrystEngComm, 2016, 18, 2163-2172.	2.6	11
24	Structure determination of molecular nanocomposites by combining pair distribution function analysis and solid-state NMR. RSC Advances, 2015, 5, 8895-8902.	3.6	11
25	Universal solvent restructuring induced by colloidal nanoparticles. Science, 2015, 347, 292-294.	12.6	172
26	Room-temperature solâ€“gel synthesis of organic ligand-capped ZnO nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	12
27	Formation of Highly Ordered VO₂ Nanotubular/Nanoporous Layers and Their Supercooling Effect in Phase Transitions. Advanced Materials, 2012, 24, 1571-1575.	21.0	24