

Gregor Mali

List of Publications by Year in descending order

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136
papers

4,469
citations

101543

36
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128289

60
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143
all docs

143
docs citations

143
times ranked

5664
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond One-Electron Reaction in Li Cathode Materials: \hat{A} Designing $\text{Li}_2\text{MnxFe}_{1-x}\text{SiO}_4$. Chemistry of Materials, 2007, 19, 3633-3640.	6.7	245
2	A metal-organic framework with ultrahigh glass-forming ability. Science Advances, 2018, 4, eaao6827.	10.3	196
3	On the Energetic Stability and Electrochemistry of $\text{Li}_{22}\text{MnSiO}_{44}$ Polymorphs. Chemistry of Materials, 2008, 20, 5574-5584.	6.7	178
4	Metal-organic framework glasses with permanent accessible porosity. Nature Communications, 2018, 9, 5042.	12.8	147
5	Liquid-phase sintering of lead halide perovskites and metal-organic framework glasses. Science, 2021, 374, 621-625.	12.6	137
6	Fluorinated Reduced Graphene Oxide as an Interlayer in Li^{S} Batteries. Chemistry of Materials, 2015, 27, 7070-7081.	6.7	124
7	X-ray Absorption Near-Edge Structure and Nuclear Magnetic Resonance Study of the Lithium-Sulfur Battery and its Components. ChemPhysChem, 2014, 15, 894-904.	2.1	113
8	Tackling the Defect Conundrum in UiO-66: A Mixed-Linker Approach to Engineering Missing Linker Defects. Chemistry of Materials, 2017, 29, 10478-10486.	6.7	102
9	Mechanistic Study of Magnesium-Sulfur Batteries. Chemistry of Materials, 2017, 29, 9555-9564.	6.7	101
10	NMR Characterization and Rietveld Refinement of the Structure of Rehydrated $\text{AlPO}_4\text{-34}$. Journal of Physical Chemistry B, 2000, 104, 5697-5705.	2.6	99
11	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich Ti_6O Sheets as an Oxidative Desulfurization Catalyst. Angewandte Chemie - International Edition, 2019, 58, 9160-9165.	13.8	99
12	Metal-organic framework crystal-glass composites. Nature Communications, 2019, 10, 2580.	12.8	97
13	Double-quantum homonuclear correlation magic angle sample spinning nuclear magnetic resonance spectroscopy of dipolar-coupled quadrupolar nuclei. Journal of Chemical Physics, 2004, 120, 2835-2845.	3.0	90
14	Superior Performance of Microporous Aluminophosphate with LTA Topology in Solar Energy Storage and Heat Reallocation. Advanced Energy Materials, 2017, 7, 1601815.	19.5	86
15	Scalable Mechanochemical Amorphization of Bimetallic Cu^{Zn} MOF-74 Catalyst for Selective CO_2 Reduction Reaction to Methanol. ACS Applied Materials & Interfaces, 2021, 13, 3070-3077.	8.0	84
16	Halogenated Metal-Organic Framework Glasses and Liquids. Journal of the American Chemical Society, 2020, 142, 3880-3890.	13.7	83
17	^6Li MAS NMR spectroscopy and first-principles calculations as a combined tool for the investigation of $\text{Li}_2\text{MnSiO}_4$ polymorphs. Chemical Communications, 2010, 46, 3306.	4.1	68
18	Electrochemically stabilised quinone based electrode composites for Li-ion batteries. Journal of Power Sources, 2012, 199, 308-314.	7.8	67

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19	Li ₂ FeSiO ₄ Polymorphs Probed by ⁶ Li MAS NMR and ⁵⁷ Fe Mössbauer Spectroscopy. Chemistry of Materials, 2011, 23, 2735-2744.	6.7	65
20	Spectroscopic Studies of Structural Dynamics Induced by Heating and Hydration: A Case of Calcium-Terephthalate Metal-Organic Framework. Journal of Physical Chemistry C, 2013, 117, 7552-7564.	3.1	64
21	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on Al-Silica Zeolite Beta. Angewandte Chemie - International Edition, 2020, 59, 14086-14090.	13.8	60
22	Preparation, structure and electrochemistry of LiFeBO ₃ : a cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 2060-2070.	10.3	58
23	Polymorphism in Li ₂ (Fe,Mn)SiO ₄ : A combined diffraction and NMR study. Journal of Materials Chemistry, 2011, 21, 17823.	6.7	55
24	A Simple NMR-Based Method for Studying the Spatial Distribution of Linkers within Mixed-Linker Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2015, 54, 10535-10538.	13.8	55
25	Poly(hydroquinoyl-benzoquinonyl sulfide) as an active material in Mg and Li organic batteries. Electrochemistry Communications, 2016, 69, 1-5.	4.7	54
26	Aluminium triplets in dealuminated zeolites detected by ²⁷ Al NMR correlation spectroscopy. Microporous and Mesoporous Materials, 2010, 129, 100-105.	4.4	53
27	Novel Polysilsesquioxane ¹⁻¹³ -Ionic Electrolyte for Dye-Sensitized Photoelectrochemical Cells. Journal of Physical Chemistry B, 2005, 109, 14387-14395.	2.6	50
28	Control of the Crystallization Process and Structure Dimensionality of Mg-Benzene ^{1,3,5} -Tricarboxylates by Tuning Solvent Composition. Crystal Growth and Design, 2013, 13, 3825-3834.	3.0	47
29	S,O-Functionalized Metal-Organic Frameworks as Heterogeneous Single-Site Catalysts for the Oxidative Alkenylation of Arenes via C-H activation. ACS Catalysis, 2020, 10, 5077-5085.	11.2	45
30	Anomalous scattering in structural chemistry and biology. Crystallography Reviews, 2005, 11, 245-335.	1.5	44
31	Structural and Dynamical Properties of Indomethacin Molecules Embedded within the Mesopores of SBA-15: A Solid-State NMR View. Journal of Physical Chemistry C, 2012, 116, 2662-2671.	3.1	44
32	Quinone-formaldehyde polymer as an active material in Li-ion batteries. Journal of Power Sources, 2016, 315, 169-178.	7.8	43
33	Active Role of Methanol in Post-Synthetic Linker Exchange in the Metal-Organic Framework UiO-66. Chemistry of Materials, 2019, 31, 1359-1369.	6.7	43
34	Shape-selective C-H activation of aromatics to biaryl compounds using molecular palladium in zeolites. Nature Catalysis, 2020, 3, 1002-1009.	34.4	41
35	Mechanochemically Synthesised Flexible Electrodes Based on Bimetallic Metal-Organic Framework Classes for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	41
36	MnO _x Nanoparticles Supported on a New Mesostructured Silicate with Textural Porosity. Chemistry - A European Journal, 2010, 16, 5783-5793.	3.3	40

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37	31P NMR as a Tool for Studying Incorporation of Ni, Co, Fe, and Mn into Aluminophosphate Zeotypes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10711-10716.	2.6	39
38	Zr-modified hierarchical mordenite as heterogeneous catalyst for glycerol esterification. <i>Catalysis Communications</i> , 2017, 100, 10-14.	3.3	39
39	Efficient solid acid catalysts based on sulfated tin oxides for liquid phase esterification of levulinic acid with ethanol. <i>Applied Catalysis A: General</i> , 2018, 560, 119-131.	4.3	37
40	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich TiO ₂ Sheets as an Oxidative Desulfurization Catalyst. <i>Angewandte Chemie</i> , 2019, 131, 9258-9263.	2.0	37
41	Mechanically Strong Polyurea/Polyurethane-Cross-Linked Alginate Aerogels. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1974-1988.	4.4	32
42	Framework cobalt and manganese in MeAPO-31 (Me=Co, Mn) molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2002, 55, 203-216.	4.4	31
43	Investigation of amorphous and crystalline phosphates in magnesium phosphate ceramics with solid-state 1H and 31P NMR spectroscopy. <i>Ceramics International</i> , 2017, 43, 6571-6579.	4.8	31
44	Insight into the Short-Range Structure of Amorphous Iron Inositol Hexaphosphate as Provided by 31P NMR and Fe X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23060-23067.	2.6	30
45	Measuring distances between half-integer quadrupolar nuclei and detecting relative orientations of quadrupolar and dipolar tensors by double-quantum homonuclear dipolar recoupling nuclear magnetic resonance experiments. <i>Journal of Chemical Physics</i> , 2008, 128, 204503.	3.0	29
46	Enhancing sensitivity or resolution of homonuclear correlation experiment for half-integer quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2004, 171, 48-56.	2.1	27
47	Design of Effective Catalysts Based on ZnLaZrSi Oxide Systems for Obtaining 1,3-Butadiene from Aqueous Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16600-16611.	6.7	27
48	Indomethacin Embedded into MIL-101 Frameworks: A Solid-State NMR Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6140-6150.	3.1	26
49	Exploring the interactions of irbesartan and irbesartan-2-hydroxypropyl- β -cyclodextrin complex with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1089-1098.	2.6	26
50	Unraveling the Arrangement of Al and Fe within the Framework Explains the Magnetism of Mixed-Metal MIL-100(Al,Fe). <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1464-1470.	4.6	26
51	Cross-dimerization of nitrosobenzenes in solution and in solid state. <i>Journal of Molecular Structure</i> , 2009, 918, 19-25.	3.6	25
52	Unexpected linker-dependent Brønsted acidity in the (Zr)UiO-66 metal organic framework and application to biomass valorization. <i>Catalysis Science and Technology</i> , 2020, 10, 4002-4009.	4.1	25
53	Polyurea-crosslinked biopolymer aerogel beads. <i>RSC Advances</i> , 2020, 10, 40843-40852.	3.6	25
54	Synthesis and structural properties of titanium containing microporous/mesoporous silicate composite (Ti, Al)-Beta/MCM-48. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 3-13.	4.4	24

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55	The phase (trans)formation and physical state of a model drug in mesoscopic confinement. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16046.	2.8	24
56	Dehydration of $\text{AlPO}_4\text{-34}$ studied by variable-temperature NMR, XRD and first-principles calculations. <i>New Journal of Chemistry</i> , 2016, 40, 4178-4186.	2.8	24
57	Layered $\text{Zn}_2[\text{Co}(\text{CN})_6](\text{CH}_3\text{COO})$ double metal cyanide: a two-dimensional DMC phase with excellent catalytic performance. <i>Chemical Science</i> , 2019, 10, 4868-4875.	7.4	24
58	Catalytic activity of SnO_2 - and SO_4/SnO_2 -containing clinoptilolite in the esterification of levulinic acid. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 10-18.	4.4	24
59	Titanium containing microporous/mesoporous composite (Ti,Al)-Beta/MCM-41: Synthesis and characterization. <i>Microporous and Mesoporous Materials</i> , 2006, 95, 76-85.	4.4	23
60	A Partial Proton Transfer in Hydrogen Bond $\text{O}^{\delta-}\cdots\text{H}^{\delta+}\text{O}$ in Crystals of Anhydrous Potassium and Rubidium Complex Chloranilates. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3154-3166.	2.5	23
61	Thermal, dynamic and structural properties of drug AT1 antagonist olmesartan in lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2995-3006.	2.6	23
62	Design of Ti-Beta zeolites with high Ti loading and tuning of their hydrophobic/hydrophilic character. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109588.	4.4	23
63	Mesoporous Aluminophosphate Thin Films with Cubic Pore Arrangement. <i>Langmuir</i> , 2008, 24, 6220-6225.	3.5	21
64	Highly Selective Removal of Perfluorinated Contaminants by Adsorption on Amorphous Silica Zeolite Beta. <i>Angewandte Chemie</i> , 2020, 132, 14190-14194.	2.0	21
65	Impact of dehydration and mechanical amorphization on the magnetic properties of $\text{Ni}(\text{MOF})_2$. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7132-7142.	5.5	21
66	Detecting proximities between quadrupolar nuclei by double-quantum NMR. <i>Chemical Communications</i> , 2004, , 868.	4.1	20
67	Understanding ^6Li MAS NMR spectra of Li_2MSiO_4 materials (M=Mn, Fe, Zn). <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 42, 33-41.	2.3	20
68	Study of Hydrothermal Stability and Water Sorption Characteristics of 3-Dimensional Zn-Based Trimesate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14608-14617.	3.1	20
69	Structural Study of Mg-Based Metal-Organic Frameworks by X-ray Diffraction, ^1H , ^{13}C , and ^{25}Mg Solid-State NMR Spectroscopy, and First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7831-7841.	3.1	20
70	Determination of distances between aluminum and spin-1/2 nuclei using cross polarization with very weak radio-frequency fields. <i>Journal of Chemical Physics</i> , 2002, 117, 3327-3339.	3.0	19
71	Comparative study of the AT1 receptor prodrug antagonist candesartan cilexetil with other sartans on the interactions with membrane bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3107-3120.	2.6	19
72	Structural study of Ni- or Mg-based complexes incorporated within UiO-66-NH_2 framework and their impact on hydrogen sorption properties. <i>Journal of Solid State Chemistry</i> , 2015, 225, 209-215.	2.9	19

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73	Iodide- π Interactions of Perhalogenated Quinoid Rings in Co-crystals with Organic Bases. <i>Crystal Growth and Design</i> , 2018, 18, 5182-5193.	3.0	19
74	A spectroscopic study of calcium aluminate gels obtained from aluminium sec-butoxide chelated with ethyl acetoacetate in various ratios. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 58-68.	2.4	18
75	Improved resolution and simplification of the spin-diffusion-based NMR method for the structural analysis of mixed-linker MOFs. <i>Journal of Magnetic Resonance</i> , 2017, 279, 22-28.	2.1	18
76	Superoxide formation in $\text{Li}_2\text{VO}_2\text{F}$ cathode material – a combined computational and experimental investigation of anionic redox activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16551-16559.	10.3	18
77	Interaction of Dipropylamine Template Molecules with the Framework of as-Synthesized $\text{AlPO}_4\text{-31}$. <i>Journal of Physical Chemistry B</i> , 2002, 106, 63-69.	2.6	17
78	Metal-doped carbons from polyurea-crosslinked alginate aerogel beads. <i>Materials Advances</i> , 2021, 2, 2684-2699.	5.4	16
79	New Inorganic-Organic Hybrid: Synthesis and Structural Characterization of an Alumino(oxalato)phosphate. <i>Chemistry of Materials</i> , 2003, 15, 1734-1738.	6.7	14
80	Manganese-modified hexagonal mesoporous aluminophosphate MnHMA: Synthesis and characterization. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 386-395.	4.4	14
81	Nitrilic acid hexahydrate, a novel benchmark system of the Zundel cation in an intrinsically asymmetric environment: spectroscopic features and hydrogen bond dynamics characterised by experimental and theoretical methods. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 998-1007.	2.8	14
82	Eu^{3+} -Doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ garnet: synthesis and structural investigation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3729-3737.	2.8	14
83	Synthesis of L-serine modified benzene bridged periodic mesoporous organosilica and its catalytic performance towards aldol condensations. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 1-8.	4.4	14
84	Eumelanin Graphene-Like Integration: The Impact on Physical Properties and Electrical Conductivity. <i>Frontiers in Chemistry</i> , 2019, 7, 121.	3.6	14
85	Nitrosobenzene cross-dimerization: Structural selectivity in solution and in solid state. <i>Journal of Molecular Structure</i> , 2010, 979, 22-26.	3.6	13
86	Distinctive Spectral and Microscopic Features for Characterizing the Three-Dimensional Local Aluminosilicate Structure of Perlites. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26649-26658.	3.1	13
87	Stable Crystalline Forms of Na Polysulfides: Experiment versus Ab Initio Computational Prediction. <i>Chemistry - A European Journal</i> , 2016, 22, 3355-3360.	3.3	13
88	Ab initio crystal structure prediction of magnesium (poly)sulfides and calculation of their NMR parameters. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 229-233.	0.5	13
89	High-temperature stabilization of bulk amorphous Al_2O_3 . <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 363-370.	3.1	13
90	Study of water adsorption on EDTA dealuminated zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110208.	4.4	13

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91	²⁷ Al- ³¹ P 3QMAS/HETCOR experiment in aluminophosphate molecular sieves. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 5737-5742.	2.8	11
92	Thin films of cubic mesoporous aluminophosphates modified by silicon and manganese. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 161-169.	4.4	11
93	Comparative Perturbation Effects Exerted by the Influenza A M2 WT Protein Inhibitors Amantadine and the Spiro[pyrrolidine-2,2'-adamantane] Variant AK13 to Membrane Bilayers Studied Using Biophysical Experiments and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9877-9895.	2.6	11
94	spin-lattice relaxation in cobalt-containing aluminophosphate molecular sieves. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 12, 243-249.	2.3	10
95	Spectroscopic Investigation of Ti-Modified Aluminum-Free Zeolite-Beta Crystallization. <i>Chemistry of Materials</i> , 2011, 23, 1337-1346.	6.7	10
96	Comparative study of interactions of aliskiren and AT 1 receptor antagonists with lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 984-994.	2.6	10
97	Copolymerization of Norbornene and Norbornadiene Using a cis-Selective Bimetallic W-Based Catalytic System. <i>Polymers</i> , 2017, 9, 141.	4.5	10
98	Selective defunctionalization of citric acid to tricarballic acid as a precursor for the production of high-value plasticizers. <i>Green Chemistry</i> , 2020, 22, 7812-7822.	9.0	10
99	Solid-State NMR Study of an Open-Framework Aluminophosphate-Oxalate Hybrid. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1286-1292.	2.6	9
100	Positively charged polysilsesquioxane/iodide ionic liquid as a quasi solid-state redox electrolyte for dye-sensitized photo electrochemical cells: Infrared, ²⁹ SiNMR, and electrical studies. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-8.	2.5	9
101	Post-synthesis bromination of benzene bridged PMO as a way to create a high potential hybrid material. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 244-249.	4.4	9
102	Local environment of iron in the mesoporous hexagonal aluminophosphate catalyst. <i>Microporous and Mesoporous Materials</i> , 2005, 87, 52-58.	4.4	8
103	Successive Vapor-Phase Guerbet Condensation of Ethanol and 1-Butanol to 2-Ethyl-1-hexanol over Hydroxyapatite Catalysts in a Flow Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17289-17300.	6.7	8
104	Polythiacalixarene-Embedded Gold Nanoparticles for Visible-Light-Driven Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30796-30801.	8.0	8
105	Spin-locking and recoupling of homonuclear dipolar interaction between spin-3/2 nuclei under magic-angle sample spinning. <i>Journal of Magnetic Resonance</i> , 2007, 185, 318-325.	2.1	7
106	Structure investigation of fluorinated aluminophosphate ULM-3 Al templated by 3-methylaminopropylamine. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1055-1062.	2.9	7
107	Ceramic synthesis of disordered lithium rich oxyfluoride materials. <i>Journal of Power Sources</i> , 2020, 467, 228230.	7.8	7
108	Mechanochemically Synthesised Flexible Electrodes based on Bimetallic Metal-Organic Framework Glasses for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 0, , .	2.0	7

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109	Metal-organic frameworks (BioMOFs): a novel approach for green optoelectronic applications. <i>Chemical Communications</i> , 2022, 58, 677-680.	4.1	7
110	Interactions of the potent synthetic AT1 antagonist analog BV6 with membrane bilayers and mesoporous silicate matrices. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1846-1855.	2.6	6
111	Looking into Metal-Organic Frameworks with Solid-State NMR Spectroscopy. , 0, , .		6
112	Hyperfine Coupling Constants in Cu-Based Crystalline Compounds: Solid-State NMR Spectroscopy and First-Principles Calculations with Isolated-Cluster and Extended Periodic-Lattice Models. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4655-4664.	3.1	6
113	Study of the iron(III)-modified clinoptilolite in the adsorption of phosphate from aqueous medium: mechanism and kinetics. , 0, 78, 231-240.		6
114	Growth mechanism and structure of electrochemically synthesized dendritic polymethylsilane molecules. <i>European Polymer Journal</i> , 2017, 90, 162-170.	5.4	5
115	Solid-State NMR investigation of formation of mesoporous thin films and powders. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 949-952.	1.5	4
116	Histidine adsorption on nanostructured cerium oxide. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 212, 28-33.	1.7	4
117	Multinuclear Magnetic Resonance Study on Aluminium Sec-butoxide Chelated with Ethyl Acetoacetate in Various Amounts. <i>Croatica Chemica Acta</i> , 2019, 92, 17-28.	0.4	4
118	The boundary lipid around DMPC-spanning influenza A M2 transmembrane domain channels: Its structure and potential for drug accommodation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183156.	2.6	4
119	Bone diagenesis in the loess deposits of Central Europe: the Celtic site of Radovesice in Bohemia. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	4
120	Bone diagenesis in the medieval cemetery of Vratislav's Palace in Prague. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	1.8	4
121	Study of Water Adsorption on EDTA-Modified LTA Zeolites. <i>Nanomaterials</i> , 2022, 12, 1352.	4.1	4
122	Functionalisation and Structure Characterisation of Porous Silicates and Aluminophosphates. , 2009, , 101-126.		3
123	Structural investigations in pure-silica and Al-ZSM-12 with MTEA or TEA cations. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 236-242.	4.4	3
124	Effects of a Mixed O/F Ligand in the Tavorite-Type LiVPO ₄ O Structure. <i>Chemistry of Materials</i> , 2020, 32, 262-272.	6.7	3
125	Tailoring microstructural, textural and thermal properties of γ -alumina by modifying aluminum sec-butoxide with ethyl acetoacetate within a sol-gel synthesis. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109783.	4.0	3
126	Insight into the interdependence of Ni and Al in bifunctional Ni/ZSM-5 catalysts at the nanoscale. <i>Nanoscale Advances</i> , 2022, 4, 2321-2331.	4.6	3

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127	Nanostructured Poly(hydroquinonyl-benzoquinonyl sulfide)/Multiwalled Carbon Nanotube Composite Cathodes: Improved Synthesis and Performance for Rechargeable Li and Mg Organic Batteries. <i>Chemistry of Materials</i> , 2022, 34, 6378-6388.	6.7	3
128	Quenchable Porous High-Temperature Polymorph of Sodium Imidazolate, NaIm. <i>Crystal Growth and Design</i> , 2021, 21, 770-778.	3.0	2
129	Magnetic resonance spectroscopy approaches for electrochemical research. <i>Physical Sciences Reviews</i> , 2018, 3, .	0.8	1
130	Drug-Membrane Interactions in the Renin Angiotensin System. <i>Series in Bioengineering</i> , 2019, , 339-364.	0.6	1
131	Innentitelbild: Highly Selective Removal of Perfluorinated Contaminants by Adsorption on Al ₂ Si ₂ Zeolite Beta (<i>Angew. Chem.</i> 33/2020). <i>Angewandte Chemie</i> , 2020, 132, 13770-13770.	2.0	1
132	²⁹ Si NMR, XRD and HRTEM investigation of Ti-Beta particle formation. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 817-820.	1.5	0
133	On the thermal degradation of 3-methylaminopropylamine captured inside the aluminum phosphate analog of ULM-3. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 919-924.	3.6	0
134	5. Characterization methods. , 2018, , 261-408.		0
135	Technical Note: Post-burial alteration of bones: Quantitative characterization with solid-state ¹ H MAS NMR. <i>Forensic Science International</i> , 2021, 323, 110783.	2.2	0
136	The Unexpected Helical Supramolecular Assembly of a Simple Achiral Acetamide Tecton Generates Selective Water Channels. <i>Chemistry - A European Journal</i> , 0, , .	3.3	0