

# Daniel Rentsch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6862623/publications.pdf>

Version: 2024-02-01

113  
papers

5,564  
citations

76294

40  
h-index

85498

71  
g-index

117  
all docs

117  
docs citations

117  
times ranked

7913  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralightweight and Flexible Silylated Nanocellulose Sponges for the Selective Removal of Oil from Water. <i>Chemistry of Materials</i> , 2014, 26, 2659-2668.	3.2	511
2	Efficient Far Red Sensitization of Nanocrystalline TiO <sub>2</sub> Films by an Unsymmetrical Squaraine Dye. <i>Journal of the American Chemical Society</i> , 2007, 129, 10320-10321.	6.6	497
3	Preparation and characterization of water-redispersible nanofibrillated cellulose in powder form. <i>Cellulose</i> , 2010, 17, 19-30.	2.4	254
4	A thermodynamic and experimental study of the conditions of thaumasite formation. <i>Cement and Concrete Research</i> , 2008, 38, 337-349.	4.6	143
5	A highly stable sodium solid-state electrolyte based on a dodeca/deca-borate equimolar mixture. <i>Chemical Communications</i> , 2017, 53, 4195-4198.	2.2	137
6	Wavelength-Selective Light-Responsive DASA-Functionalized Polymersome Nanoreactors. <i>Journal of the American Chemical Society</i> , 2018, 140, 8027-8036.	6.6	137
7	Hydrogenation of 9-ethylcarbazole as a prototype of a liquid hydrogen carrier. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11609-11621.	3.8	135
8	Alkali-Silica Reaction: the Influence of Calcium on Silica Dissolution and the Formation of Reaction Products. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1243-1249.	1.9	129
9	Bridged DOPO derivatives as flame retardants for PA6. <i>Polymer Degradation and Stability</i> , 2014, 107, 158-165.	2.7	125
10	Advanced Cu-Sn foam for selectively converting CO <sub>2</sub> to CO in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 475-482.	10.8	118
11	Formation of magnesium silicate hydrates (M-S-H). <i>Physics and Chemistry of the Earth</i> , 2017, 99, 142-157.	1.2	114
12	Systematic Exploration of Biotransformation Reactions of Amine-Containing Micropollutants in Activated Sludge. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2908-2920.	4.6	111
13	Isomer-Specific Degradation and Endocrine Disrupting Activity of Nonylphenols. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6399-6408.	4.6	107
14	Synthesis of DOPO-Based Phosphonamidates and their Thermal Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 2889-2896.	1.8	106
15	Surface Chemistry of Hydrophobic Silica Aerogels. <i>Chemistry of Materials</i> , 2015, 27, 6737-6745.	3.2	100
16	A Lithium Amide-Borohydride Solid-State Electrolyte with Lithium-Ion Conductivities Comparable to Liquid Electrolytes. <i>Advanced Energy Materials</i> , 2017, 7, 1700294.	10.2	95
17	Transformation of $\beta$ -Lactam Antibacterial Agents during Aqueous Ozonation: Reaction Pathways and Quantitative Bioassay of Biologically-Active Oxidation Products. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5940-5948.	4.6	92
18	Biotransformation Changes Bioaccumulation and Toxicity of Diclofenac in Aquatic Organisms. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4400-4408.	4.6	91

#	ARTICLE	IF	CITATIONS
19	Allâ€™nâ€™One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2353-2356.	7.2	89
20	A Novel Metabolic Pathway for Degradation of 4-Nonylphenol Environmental Contaminants by <i>Sphingomonas xenophaga</i> Bayram. <i>Journal of Biological Chemistry</i> , 2005, 280, 15526-15533.	1.6	87
21	Gasoline composition determined by 1H NMR spectroscopy. <i>Fuel</i> , 2004, 83, 187-193.	3.4	83
22	Thermal decomposition and flammability of rigid PU foams containing some DOPO derivatives and other phosphorus compounds. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 219-229.	2.6	81
23	Hydration of a silica fume blended low-alkali shotcrete cement. <i>Physics and Chemistry of the Earth</i> , 2014, 70-71, 3-16.	1.2	80
24	Thermal and chemical aging of model three-way catalyst Pd/Al <sub>2</sub> O <sub>3</sub> and its impact on the conversion of CNG vehicle exhaust. <i>Catalysis Today</i> , 2012, 184, 237-244.	2.2	75
25	Electrocatalytic Reduction of Gaseous CO <sub>2</sub> to CO on Sn/Cuâ€™Nanofiberâ€™Based Gas Diffusion Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901514.	10.2	74
26	Aryltriazene Photopolymers for UV-Laser Applications: Improved Synthesis and Photodecomposition Study. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 277-286.	1.1	68
27	Physico-chemical properties of the new generation IV iron preparations ferumoxytol, iron isomaltoside 1000 and ferric carboxymaltose. <i>BioMetals</i> , 2015, 28, 615-635.	1.8	64
28	Aluminum incorporation into magnesium silicate hydrate (M-S-H). <i>Cement and Concrete Research</i> , 2020, 128, 105931.	4.6	60
29	Reversible hydrogen storage in Mg(BH <sub>4</sub> ) <sub>2</sub> /carbon nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11177.	5.2	57
30	Controlled Silylation of Nanofibrillated Cellulose in Water: Reinforcement of a Model Polydimethylsiloxane Network. <i>ChemSusChem</i> , 2015, 8, 2681-2690.	3.6	57
31	Quantitative analysis of bacterial medium-chain-length poly([R]-3-hydroxyalkanoates) by gas chromatography. <i>Journal of Chromatography A</i> , 2007, 1143, 199-206.	1.8	54
32	The role of MgB <sub>12</sub> H <sub>12</sub> in the hydrogen desorption process of Mg(BH <sub>4</sub> ) <sub>2</sub> . <i>Chemical Communications</i> , 2015, 51, 700-702.	2.2	53
33	Synthesis of new bis(acyl)phosphane oxide photoinitiators for the surface functionalization of cellulose nanocrystals. <i>Chemical Communications</i> , 2016, 52, 2823-2826.	2.2	53
34	Hydroxylated Metabolites of Î²- and Î³-Hexachlorocyclohexane: Bacterial Formation, Stereochemical Configuration, and Occurrence in Groundwater at a Former Production Site. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4292-4298.	4.6	51
35	Reactions of a Sulfonamide Antimicrobial with Model Humic Constituents: Assessing Pathways and Stability of Covalent Bonding. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2102-2111.	4.6	48
36	The impact of aging environment on the evolution of Al <sub>2</sub> O <sub>3</sub> supported Pt nanoparticles and their NO oxidation activity. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 214-224.	10.8	45

#	ARTICLE	IF	CITATIONS
37	The Hydrotropic Effect of Ionic Liquids in Waterâ€”Salt Electrolytes**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14100-14108.	7.2	45
38	<i>Nido</i> -Borate/ <i>Closo</i> -Borate Mixed-Anion Electrolytes for All-Solid-State Batteries. <i>Chemistry of Materials</i> , 2020, 32, 1101-1110.	3.2	44
39	Crystal-chemistry of mullite-type aluminoborates Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> and Al <sub>5</sub> BO <sub>9</sub> : A stoichiometry puzzle. <i>Journal of Solid State Chemistry</i> , 2011, 184, 70-80.	1.4	43
40	New Metabolites in the Degradation of $\hat{\pm}$ - and $\hat{\beta}$ -Hexachlorocyclohexane (HCH): Pentachlorocyclohexenes Are Hydroxylated to Cyclohexenols and Cyclohexenediols by the Haloalkane Dehalogenase LinB from <i>Sphingobium indicum</i> B90A. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6594-6603.	2.4	41
41	Solvent-free synthesis and stability of MgB <sub>12</sub> H <sub>12</sub> . <i>Journal of Materials Chemistry A</i> , 2014, 2, 7244-7249.	5.2	41
42	Sn-Decorated Cu for Selective Electrochemical CO <sub>2</sub> to CO Conversion: Precision Architecture beyond Composition Design. <i>ACS Applied Energy Materials</i> , 2019, 2, 867-872.	2.5	41
43	Sulfonic and Oxanilic Acid Metabolites of Acetanilide Herbicides: Separation of Diastereomers and Enantiomers by Capillary Zone Electrophoresis and Identification by <sup>1</sup> H NMR Spectroscopy. <i>Environmental Science &amp; Technology</i> , 1999, 33, 3462-3468.	4.6	39
44	A novel strategy for reversible hydrogen storage in Ca(BH <sub>4</sub> ) <sub>2</sub> . <i>Chemical Communications</i> , 2015, 51, 11008-11011.	2.2	39
45	Laboratory and field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. <i>Biodegradation</i> , 2016, 27, 179-193.	1.5	39
46	Characterization of the urea-water spray impingement in diesel selective catalytic reduction systems. <i>Applied Energy</i> , 2017, 205, 964-975.	5.1	38
47	Abatement of Polychoro-1,3-butadienes in Aqueous Solution by Ozone, UV Photolysis, and Advanced Oxidation Processes (O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and) Tj ETQq1 1 0.784314 rgBT /Overlock 10df 50 337 Td (UV)	10.7	37
48	<i>Nido</i> -Hydroborate-Based Electrolytes for All-Solid-State Lithium Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2010046.	7.8	37
49	Dynamics of the Coordination Complexes in a Solid-State Mg Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6450-6455.	2.1	36
50	Enzymatic Conversion of $\hat{\mu}$ -Hexachlorocyclohexane and a Heptachlorocyclohexane Isomer, Two Neglected Components of Technical Hexachlorocyclohexane. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4051-4058.	4.6	35
51	A novel method for the synthesis of solvent-free Mg(B <sub>3</sub> H <sub>8</sub> ) <sub>2</sub> . <i>Dalton Transactions</i> , 2016, 45, 3687-3690.	1.6	35
52	Is Y <sub>2</sub> (B <sub>12</sub> H <sub>12</sub> ) <sub>3</sub> the main intermediate in the decomposition process of Y(BH <sub>4</sub> ) <sub>3</sub> ? <i>Chemical Communications</i> , 2013, 49, 5234.	2.2	33
53	Quantitative Determination of Resin Loading in Solid-Phase Organic Synthesis Using <sup>13</sup> C MAS NMR. <i>ACS Combinatorial Science</i> , 2001, 3, 85-89.	3.3	31
54	Ambient pressure drying of silica aerogels after hydrophobization with mono-, di- and tri-functional silanes and mixtures thereof. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 289-295.	2.2	31

#	ARTICLE	IF	CITATIONS
55	NMR Chemical Shifts of $^{11}\text{B}$ in Metal Borohydrides from First-Principle Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6594-6603.	1.5	30
56	Diyne-Functionalized Fullerene Self-Assembly for Thin Film Solid-State Polymerization. <i>Macromolecules</i> , 2014, 47, 721-728.	2.2	28
57	$^{13}\text{C}$ , $^{17}\text{O}$ and $^{55}\text{Mn}$ NMR studies on substituted manganese carbonyl complexes. A contribution to the mechanism of demetalation reactions. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, S54-S60.	1.1	24
58	Some Key Factors Influencing the Flame Retardancy of EDA-DOPO Containing Flexible Polyurethane Foams. <i>Polymers</i> , 2018, 10, 1115.	2.0	23
59	Transition Metal NMR Spectroscopy. $^{55}\text{Mn}$ , $^{13}\text{CO}$ and $^{55}\text{Mn}$ , $^{31}\text{P}$ coupling constants of organomanganese complexes: comparison of NMR results from experiments in solution and in the solid state. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 832-838.	1.1	22
60	One-Dimensional Organic-Inorganic Hybrid Perovskite Incorporating Near-Infrared-Absorbing Cyanine Cations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2438-2442.	2.1	22
61	Effect of $\text{SiO}_2$ on co-impregnated $\text{V}_2\text{O}_5/\text{WO}_3/\text{TiO}_2$ catalysts for the selective catalytic reduction of $\text{NO}$ with $\text{NH}_3$ . <i>Catalysis Today</i> , 2019, 320, 123-132.	2.2	21
62	Lignans, alkaloids and coumarins from <i>Haplophyllum vulcanicum</i> . <i>Phytochemistry</i> , 1996, 42, 695-699.	1.4	20
63	Controlling the Dehydrogenation Reaction toward Reversibility of the $\text{LiBH}_4\text{-Ca}(\text{BH}_4)_2$ Eutectic System. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8878-8886.	1.5	20
64	Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 976-992.	1.2	20
65	Phase transfer agents facilitate the production of superinsulating silica aerogel powders by simultaneous hydrophobization and solvent- and ion-exchange. <i>Chemical Engineering Journal</i> , 2020, 381, 122421.	6.6	19
66	Synthesis, stability and Li-ion mobility of nanoconfined $\text{Li}_2\text{B}_{12}\text{H}_{12}$ . <i>Dalton Transactions</i> , 2017, 46, 12434-12437.	1.6	18
67	A simple HPLC-MS method for the quantitative determination of the composition of bacterial medium chain-length polyhydroxyalkanoates. <i>Journal of Separation Science</i> , 2008, 31, 1739-1744.	1.3	15
68	Isolation of the (+)-Pinoresinol-Mineralizing <i>Pseudomonas</i> sp. Strain SG-MS2 and Elucidation of Its Catabolic Pathway. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	15
69	Ruthenium on phosphorous-modified alumina as an effective and stable catalyst for catalytic transfer hydrogenation of furfural. <i>RSC Advances</i> , 2020, 10, 11507-11516.	1.7	15
70	Shortwave infrared-absorbing squaraine dyes for all-organic optical upconversion devices. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 194-204.	2.8	15
71	Resolution of $[(\eta^4\text{-benzylideneacetone})\text{Fe}(\text{CO})_3]$ . Structure and configurational stability of $[(\text{pS})\text{-}(\text{benzylideneacetone})\text{Fe}(\text{CO})_2\text{L}^{\sim}\dots]$ ( $\text{L}^{\sim}\dots \rightarrow$ (+)-neomenthyl(diphenyl)phosphine). <i>Journal of Organometallic Chemistry</i> , 1992, 429, 87-97.		14
72	Glycosylmanganese pentacarbonyl complexes: an organomanganese-based approach to the synthesis of C-glycosyl derivatives. <i>Journal of Organometallic Chemistry</i> , 2000, 593-594, 49-62.	0.8	14

#	ARTICLE	IF	CITATIONS
73	The Missing Link in Linear Alkylbenzenesulfonate Surfactant Degradation: 4-Sulfoacetophenone as a Transient Intermediate in the Degradation of 3-(4-Sulfophenyl)Butyrate by <i>Comamonas testosteroni</i> KF-1. Applied and Environmental Microbiology, 2010, 76, 196-202.	1.4	14
74	One-Pot Synthesis of P(O)-N Containing Compounds Using N-Chlorosuccinimide and Their Influence in Thermal Decomposition of PU Foams. Polymers, 2018, 10, 740.	2.0	14
75	Characterization of New Bacterial Copolyesters Containing 3-Hydroxyoxoalkanoates and Acetoxy-3-hydroxyalkanoates. Macromolecules, 2000, 33, 8571-8575.	2.2	13
76	Metabolites and dead-end products from the microbial oxidation of quaternary ammonium alcohols. Biodegradation, 2005, 16, 461-473.	1.5	13
77	Diastereoselective self-assembly of bisheptahelicene on Cu(111). Chemical Communications, 2018, 54, 8757-8760.	2.2	13
78	Insight into the Synthesis and Characterization of Organophosphorus-Based Bridged Triazine Compounds. Molecules, 2019, 24, 2672.	1.7	13
79	The aspartimide problem persists: Fluorenylmethyloxycarbonyl-protected phase peptide synthesis (Fmoc-SPPS) chain termination due to formation of N-terminal piperazine-2,5-diones. Journal of Peptide Science, 2019, 25, e3193.	0.8	13
80	Influence of sodium nitrate on the phases formed in the MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O system. Materials and Design, 2021, 198, 109391.	3.3	13
81	Controllable decomposition of Ca(BH <sub>4</sub> ) <sub>2</sub> for reversible hydrogen storage. Physical Chemistry Chemical Physics, 2017, 19, 7788-7792.	1.3	12
82	Tailoring the hydrophobicity of wrinkled silica nanoparticles and of the adsorption medium as a strategy for immobilizing lipase: An efficient catalyst for biofuel production. Microporous and Mesoporous Materials, 2021, 328, 111504.	2.2	12
83	Structural Modification of Ni <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> with Boron for Enhanced Carbon Resistance during CO Methanation. ChemCatChem, 2015, 7, 3261-3265.	1.8	11
84	2,2',6',6'-Terpyridine-functionalized redox-responsive hydrogels as a platform for multi responsive amphiphilic polymer membranes. RSC Advances, 2016, 6, 97921-97930.	1.7	11
85	<i>Aminobacter</i> sp. MSH1 Mineralizes the Groundwater Micropollutant 2,6-Dichlorobenzamide through a Unique Chlorobenzoate Catabolic Pathway. Environmental Science & Technology, 2019, 53, 10146-10156.	4.6	11
86	Water/Ionic Liquid/Succinonitrile Hybrid Electrolytes for Aqueous Batteries. Advanced Functional Materials, 2022, 32, .	7.8	11
87	Crystallization of an Aromatic Biopolyester. Macromolecules, 2009, 42, 6322-6326.	2.2	10
88	Identification and dynamic modeling of biomarkers for bacterial uptake and effect of sulfonamide antimicrobials. Environmental Pollution, 2013, 172, 208-215.	3.7	10
89	Influence of chemically p-type doped active organic semiconductor on the film thickness versus performance trend in cyanine/C <sub>60</sub> bilayer solar cells. Science and Technology of Advanced Materials, 2015, 16, 035003.	2.8	10
90	Direct Rehydrogenation of LiBH <sub>4</sub> from H-Deficient Li <sub>2</sub> B <sub>12</sub> H <sub>12</sub> x. Crystals, 2018, 8, 131.	1.0	10

#	ARTICLE	IF	CITATIONS
91	Unsymmetrical Heptamethine Dyes for NIR Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-10.	1.4	9
92	Structurally Tunable pH-responsive Phosphine Oxide Based Gels by Facile Synthesis Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7639-7649.	4.0	9
93	<sup>55</sup> Mn, <sup>13</sup> C coupling constants of some $\sigma$ - and $\pi$ -organomanganese complexes. <i>Magnetic Resonance in Chemistry</i> , 1994, 32, 348-352.	1.1	8
94	Enantioselective Dehydrochlorination of $\beta$ -Hexachlorocyclohexane and $\beta$ -Pentachlorocyclohexene by LinA1 and LinA2 from <i>Sphingobium indicum</i> B90A. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6180-6183.	1.4	8
95	Spectroscopic elucidation of structure-property relations in filaments melt-spun from amorphous polymers. <i>European Polymer Journal</i> , 2017, 89, 78-87.	2.6	8
96	Probing the chemistry of organomanganese complexes. a kinetic study of the role of coordinate bonds in a demetalation reaction.. <i>Tetrahedron</i> , 1993, 49, 5673-5682.	1.0	7
97	Quantitative Determination of Loadings and Oxidation Products of Polystyrene-Bound Phosphines Using <sup>31</sup> P MAS NMR. <i>ACS Combinatorial Science</i> , 2003, 5, 610-616.	3.3	7
98	Carbon-substituted 9,12-dimercapto-1,2-dicarbocloso-dodecaboranes via a 9,12-bis(methoxy-methylthio)-1,2-dicarbocloso-dodecaborane precursor. <i>Polyhedron</i> , 2012, 45, 144-151.	1.0	7
99	Cyanine dye polyelectrolytes for organic bilayer solar cells. <i>Polymer</i> , 2014, 55, 3195-3201.	1.8	7
100	All-in-One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 2377-2380.	1.6	7
101	Thermal and Electrochemical Interface Compatibility of a Hydroborate Solid Electrolyte with 3 V-Class Cathodes for All-Solid-State Sodium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 55319-55328.	4.0	7
102	Transformation of $\beta$ -lactam Antibacterial Agents during Aqueous Ozonation: Reaction Pathways and Quantitative Bioassay of Biologically-Active Oxidation Products. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8790-8790.	4.6	6
103	Quantitative Assessment of Preloaded 4-Alkoxybenzyl Alcohol Resins for Solid-Phase Peptide Syntheses by 1D and 2D HR-MAS NMR. <i>ACS Combinatorial Science</i> , 2012, 14, 613-620.	3.8	6
104	Enzymatic Synthesis of Lignin-Based Concrete Dispersing Agents. <i>ChemBioChem</i> , 2018, 19, 1365-1369.	1.3	6
105	Crystal Structures of BapA Complexes with $\beta$ -Lactam-Derived Inhibitors Illustrate Substrate Specificity and Enantioselectivity of $\beta$ -Aminopeptidases. <i>ChemBioChem</i> , 2012, 13, 2137-2145.	1.3	5
106	Comment on Influence of the Chemical Environment on Metolachlor Conformations. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 4448-4449.	2.4	4
107	Improved reproducibility of chemical reactions on purified polystyrene resins monitored by <sup>31</sup> P MAS NMR. <i>Tetrahedron Letters</i> , 2003, 44, 6987-6990.	0.7	4
108	Ureido Functionalization through Amine-Urea Transamidation under Mild Reaction Conditions. <i>Polymers</i> , 2021, 13, 1583.	2.0	4

#	ARTICLE	IF	CITATIONS
109	One-Bond $^{55}\text{Mn}$ , $^{13}\text{C}$ Coupling Constants, a Correction. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, 955-957.	1.1	3
110	Effect of an $\text{Al}_2\text{O}_3$ -based binder on the structure of extruded Fe-ZSM-5. <i>Catalysis Today</i> , 2022, 387, 207-215.	2.2	2
111	Synthesis and NMR Spectroscopic Characterization of Organometallics in the Laboratory of Wolfgang von Philipsborn: Reminiscences of Former Graduate Students. <i>Chimia</i> , 2009, 63, 568-572.	0.3	1
112	On the reversible hydrogen storage in $\text{Mg}(\text{BH}_4)_2$ under moderate conditions. , 2016, , .		1
113	The Hydrotropic Effect of Ionic Liquids in Water in Salt Electrolytes**. <i>Angewandte Chemie</i> , 2021, 133, 14219-14227.	1.6	1