

Jeffrey A Reimer

List of Publications by Year in descending order

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175
papers

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#	ARTICLE	IF	CITATIONS
1	Characterization of Chemisorbed Species and Active Adsorption Sites in Mg-Al Mixed Metal Oxides for High-Temperature CO ₂ Capture. <i>Chemistry of Materials</i> , 2022, 34, 3893-3901.	3.2	10
2	A molecular perspective on carbon capture. <i>Matter</i> , 2022, 5, 1330-1333.	5.0	2
3	Electric-Field-Induced Spatially Dynamic Heterogeneity of Solvent Motion and Cation Transference in Electrolytes. <i>Physical Review Letters</i> , 2022, 128, .	2.9	17
4	Covalent Organic Frameworks with Irreversible Linkages via Reductive Cyclization of Imines. <i>Journal of the American Chemical Society</i> , 2022, 144, 9827-9835.	6.6	39
5	Nuclear spin temperature reversal via continuous radio-frequency driving. <i>Physical Review B</i> , 2021, 103, .	1.1	3
6	Magnetic field induced delocalization in hybrid electron-nuclear spin ensembles. <i>Physical Review B</i> , 2021, 103, .	1.1	6
7	Improved Li ⁺ Transport in Polyacetal Electrolytes: Conductivity and Current Fraction in a Series of Polymers. <i>ACS Energy Letters</i> , 2021, 6, 1886-1891.	8.8	36
8	Background-free dual-mode optical and ¹³ C magnetic resonance imaging in diamond particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
9	Modifying Li ⁺ and Anion Diffusivities in Polyacetal Electrolytes: A Pulsed-Field-Gradient NMR Study of Ion Self-Diffusion. <i>Chemistry of Materials</i> , 2021, 33, 4915-4926.	3.2	21
10	Observation of an Intermediate to H ₂ Binding in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 14884-14894.	6.6	32
11	Origin of enhanced water oxidation activity in an iridium single atom anchored on NiFe oxyhydroxide catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	71
12	Overcoming Metastable CO ₂ Adsorption in a Bulky Diamine-Appended Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 15258-15270.	6.6	51
13	Exploring the Ion Solvation Environments in Solid-State Polymer Electrolytes through Free-Energy Sampling. <i>Macromolecules</i> , 2021, 54, 8590-8600.	2.2	3
14	Low-field microwave-mediated optical hyperpolarization in optically pumped diamond. <i>Journal of Magnetic Resonance</i> , 2021, 331, 107021.	1.2	2
15	Chemically Stable Polyarylether-Based Metallophthalocyanine Frameworks with High Carrier Mobilities for Capacitive Energy Storage. <i>Journal of the American Chemical Society</i> , 2021, 143, 17701-17707.	6.6	42
16	Imaging Sequences for Hyperpolarized Solids. <i>Molecules</i> , 2021, 26, 133.	1.7	1
17	Solution-processable and functionalizable ultra-high molecular weight polymers via topochemical synthesis. <i>Nature Communications</i> , 2021, 12, 6818.	5.8	30
18	Precise Control of Molecular Self-Diffusion in Isorecticular and Multivariate Metal-Organic Frameworks. <i>ChemPhysChem</i> , 2020, 21, 32-35.	1.0	29

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19	Cooperative Carbon Dioxide Adsorption in Alcoholamine- and Alkoxyalkylamine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19468-19477.	7.2	58
20	Designing hierarchical nanoporous membranes for highly efficient gas adsorption and storage. <i>Science Advances</i> , 2020, 6, .	4.7	41
21	Enhanced Optical ¹³ C Hyperpolarization in Diamond Treated by High-Temperature Rapid Thermal Annealing. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000050.	1.8	8
22	Cooperative carbon capture and steam regeneration with tetraamine-appended metal-organic frameworks. <i>Science</i> , 2020, 369, 392-396.	6.0	249
23	Selective, High-Temperature O ₂ Adsorption in Chemically Reduced, Redox-Active Iron-Pyrazolate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 14627-14637.	6.6	32
24	Hydrological limits to carbon capture and storage. <i>Nature Sustainability</i> , 2020, 3, 658-666.	11.5	63
25	Optically pumped spin polarization as a probe of many-body thermalization. <i>Science Advances</i> , 2020, 6, .	4.7	18
26	Employing a Narrow-Band-Gap Mediator in Ternary Solar Cells for Enhanced Photovoltaic Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16387-16393.	4.0	22
27	Reversible Interlayer Sliding and Conductivity Changes in Adaptive Tetrathiafulvalene-Based Covalent Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19054-19061.	4.0	40
28	Room temperature <i>in situ</i> optical nanodiamond hyperpolarizer: Physics, design, and operation. <i>Review of Scientific Instruments</i> , 2020, 91, 023106.	0.6	24
29	Cooperative Carbon Dioxide Adsorption in Alcoholamine- and Alkoxyalkylamine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020, 132, 19636-19645.	1.6	5
30	Dynamic Covalent Synthesis of Crystalline Porous Graphitic Frameworks. <i>CheM</i> , 2020, 6, 933-944.	5.8	123
31	Influence of Pore Size on Carbon Dioxide Diffusion in Two Isoreticular Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2020, 32, 3570-3576.	3.2	29
32	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. <i>Matter</i> , 2020, 3, 2093-2107.	5.0	34
33	Selective nitrogen adsorption via backbonding in a metal-organic framework with exposed vanadium sites. <i>Nature Materials</i> , 2020, 19, 517-521.	13.3	121
34	10.1063/1.5131655.1., 2020, , .		0
35	Water Enables Efficient CO ₂ Capture from Natural Gas Flue Emissions in an Oxidation-Resistant Diamine-Appended Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 13171-13186.	6.6	107
36	Reticular Synthesis of Multinary Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 11420-11424.	6.6	126

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37	Double Perovskite Structure Induced by Co Addition to PbTiO ₃ : Insights from DFT and Experimental Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27132-27139.	1.5	8
38	Carbon-13 dynamic nuclear polarization in diamond via a microwave-free integrated cross effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18334-18340.	3.3	20
39	Dynamics of frequency-swept nuclear spin optical pumping in powdered diamond at low magnetic fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2512-2520.	3.3	28
40	Wide dynamic range magnetic field cyler: Harnessing quantum control at low and high fields. <i>Review of Scientific Instruments</i> , 2019, 90, 013112.	0.6	11
41	Multistep Solid-State Organic Synthesis of Carbamate-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 11253-11258.	6.6	92
42	Iron detection and remediation with a functionalized porous polymer applied to environmental water samples. <i>Chemical Science</i> , 2019, 10, 6651-6660.	3.7	30
43	Temperature-dependent interchromophoric interaction in a fluorescent pyrene-based metal-organic framework. <i>Chemical Science</i> , 2019, 10, 6140-6148.	3.7	45
44	Combined Nuclear Magnetic Resonance and Molecular Dynamics Study of Methane Adsorption in M ₂ (dobdc) Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12286-12295.	1.5	18
45	Two-Electron-Spin Ratchets as a Platform for Microwave-Free Dynamic Nuclear Polarization of Arbitrary Material Targets. <i>Nano Letters</i> , 2019, 19, 2389-2396.	4.5	14
46	Dissolution of Lithium Metal in Poly(ethylene oxide). <i>ACS Energy Letters</i> , 2019, 4, 903-907.	8.8	28
47	Amine Dynamics in Diamine-Appended Mg ₂ (dobpdc) Metal-Organic Frameworks. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7044-7049.	2.1	18
48	Data-driven design of metal-organic frameworks for wet flue gas CO ₂ capture. <i>Nature</i> , 2019, 576, 253-256.	13.7	438
49	Hyperpolarized relaxometry based nuclear T ₁ noise spectroscopy in diamond. <i>Nature Communications</i> , 2019, 10, 5160.	5.8	31
50	Identification of the strong Brønsted acid site in a metal-organic framework solid acid catalyst. <i>Nature Chemistry</i> , 2019, 11, 170-176.	6.6	198
51	Detection of the Order-to-Disorder Transition in Block Copolymer Electrolytes Using Quadrupolar ⁷ Li NMR Splitting. <i>ACS Macro Letters</i> , 2019, 8, 107-112.	2.3	1
52	Unexpected Diffusion Anisotropy of Carbon Dioxide in the Metal-Organic Framework Zn ₂ (dobpdc). <i>Journal of the American Chemical Society</i> , 2018, 140, 1663-1673.	6.6	64
53	NMR Spectroscopy Reveals Adsorbate Binding Sites in the Metal-Organic Framework UiO-66(Zr). <i>Journal of Physical Chemistry C</i> , 2018, 122, 8295-8305.	1.5	33
54	Carbon capture and storage (CCS): the way forward. <i>Energy and Environmental Science</i> , 2018, 11, 1062-1176.	15.6	2,378

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55	Elucidating CO ₂ Chemisorption in Diamine-Appended Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 18016-18031.	6.6	107
56	Crystalline Dioxin-Linked Covalent Organic Frameworks from Irreversible Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12715-12719.	6.6	289
57	Enhanced dynamic nuclear polarization via swept microwave frequency combs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10576-10581.	3.3	45
58	Solid-State NMR Investigations of Carbon Dioxide Gas in Metal-Organic Frameworks: Insights into Molecular Motion and Adsorptive Behavior. <i>Chemical Reviews</i> , 2018, 118, 10033-10048.	23.0	93
59	Orientation-independent room temperature optical ¹³ C hyperpolarization in powdered diamond. <i>Science Advances</i> , 2018, 4, eaar5492.	4.7	91
60	Revisiting Anisotropic Diffusion of Carbon Dioxide in the Metal-Organic Framework Zn ₂ (dobpdc). <i>Journal of Physical Chemistry C</i> , 2018, 122, 15344-15351.	1.5	15
61	Highly effective ammonia removal in a series of Brønsted acidic porous polymers: investigation of chemical and structural variations. <i>Chemical Science</i> , 2017, 8, 4399-4409.	3.7	89
62	Translational and Rotational Motion of C8 Aromatics Adsorbed in Isotropic Porous Media (MOF-5): NMR Studies and MD Simulations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15456-15462.	1.5	25
63	Enantioselective Recognition of Ammonium Carbamates in a Chiral Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2017, 139, 16000-16012.	6.6	82
64	Uncovering the Local Magnesium Environment in the Metal-Organic Framework Mg ₂ (dobpdc) Using 25Mg NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19938-19945.	1.5	16
65	A Diaminopropane-Appended Metal-Organic Framework Enabling Efficient CO ₂ Capture from Coal Flue Gas via a Mixed Adsorption Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 13541-13553.	6.6	206
66	The Chemistry of CO ₂ Capture in an Amine-Functionalized Metal-Organic Framework under Dry and Humid Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 12125-12128.	6.6	371
67	Following the structure and reactivity of Tuncbilek lignite during pyrolysis and hydrogenation. <i>Fuel Processing Technology</i> , 2016, 152, 266-273.	3.7	17
68	Chemical Conversion of Linkages in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 15519-15522.	6.6	373
69	Copper Capture in a Thioether-Functionalized Porous Polymer Applied to the Detection of Wilson's Disease. <i>Journal of the American Chemical Society</i> , 2016, 138, 7603-7609.	6.6	137
70	A Molecular Surface Functionalization Approach to Tuning Nanoparticle Electrocatalysts for Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2016, 138, 8120-8125.	6.6	340
71	Influence of magnetic field alignment and defect concentration on nitrogen-vacancy polarization in diamond. <i>New Journal of Physics</i> , 2016, 18, 013011.	1.2	26
72	The phenomenology of optically pumped ¹³ C NMR in diamond at 7.05 T: Room temperature polarization, orientation dependence, and the effect of defect concentration on polarization dynamics. <i>Journal of Magnetic Resonance</i> , 2016, 264, 154-162.	1.2	19

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73	Nanoporous Materials Can Tune the Critical Point of a Pure Substance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14349-14352.	7.2	16
74	NMR relaxation and exchange in metal-organic frameworks for surface area screening. <i>Microporous and Mesoporous Materials</i> , 2015, 205, 65-69.	2.2	14
75	Cooperative insertion of CO ₂ in diamine-appended metal-organic frameworks. <i>Nature</i> , 2015, 519, 303-308.	13.7	1,026
76	Anodic Oxidation of CO ₂ Derived from Methanol on Pt Electrocatalysts Linked to the Bonding Type and Adsorption Site. <i>Electrochimica Acta</i> , 2014, 135, 249-254.	2.6	1
77	Metal-Organic Frameworks with Precisely Designed Interior for Carbon Dioxide Capture in the Presence of Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 8863-8866.	6.6	369
78	Electrochemical characterization of hydrogen-bonding complexation between indoline and nitrogen containing bases. <i>Journal of Electroanalytical Chemistry</i> , 2013, 691, 57-65.	1.9	5
79	Mapping of Functional Groups in Metal-Organic Frameworks. <i>Science</i> , 2013, 341, 882-885.	6.0	411
80	Understanding CO ₂ Dynamics in Metal-Organic Frameworks with Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4410-4413.	7.2	160
81	Solid state NMR investigation of ¹³ C-irradiated composite siloxanes: Probing the silica/polysiloxane interface. <i>Polymer Degradation and Stability</i> , 2013, 98, 1362-1368.	2.7	8
82	In Situ Formation of Wilkinson-Type Hydroformylation Catalysts: Insights into the Structure, Stability, and Kinetics of Triphenylphosphine- and Xantphos-Modified Rh/SiO ₂ . <i>ACS Catalysis</i> , 2013, 3, 348-357.	5.5	36
83	Near-band-gap photoinduced nuclear spin dynamics in semi-insulating GaAs: Hyperfine- and quadrupolar-driven relaxation. <i>Physical Review B</i> , 2013, 88, .	1.1	4
84	Ex Situ NMR Relaxometry of Metal-Organic Frameworks for Rapid Surface Area Screening. <i>Angewandte Chemie</i> , 2013, 125, 12265-12268.	1.6	8
85	Ex Situ NMR Relaxometry of Metal-Organic Frameworks for Rapid Surface Area Screening. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12043-12046.	7.2	36
86	Effect of Confinement on Proton Transport Mechanisms in Block Copolymer/Ionic Liquid Membranes. <i>Macromolecules</i> , 2012, 45, 3112-3120.	2.2	74
87	CO ₂ Dynamics in a Metal-Organic Framework with Open Metal Sites. <i>Journal of the American Chemical Society</i> , 2012, 134, 14341-14344.	6.6	278
88	Utility of a tuneless plug and play transmission line probe. <i>Journal of Magnetic Resonance</i> , 2012, 221, 117-119.	1.2	10
89	Proton Hopping and Long-Range Transport in the Protic Ionic Liquid [Im][TFSI], Probed by Pulsed-Field Gradient NMR and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8201-8209.	1.2	58
90	Optically rewritable patterns of nuclear magnetization in gallium arsenide. <i>Nature Communications</i> , 2012, 3, 918.	5.8	16

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91	High-Resolution NMR in Inhomogeneous Fields. , 2011, , 143-164.		0
92	Suppression of probe background signals via B1 field inhomogeneity. Journal of Magnetic Resonance, 2011, 209, 300-305.	1.2	11
93	Helicity independent optically-pumped nuclear magnetic resonance in gallium arsenide. Applied Physics Letters, 2011, 98, 112101.	1.5	5
94	Nuclear hyperpolarization in solids and the prospects for nuclear spintronics. Solid State Nuclear Magnetic Resonance, 2010, 37, 3-12.	1.5	40
95	Optical pumping of nuclear spin magnetization in GaAs/AlAs quantum wells of variable electron density. Solid State Communications, 2010, 150, 450-453.	0.9	4
96	Optical polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mmultiscripts} \langle \text{mml:mtext} \rangle \text{C} \langle \text{mml:mprescripts} \rangle \rangle \langle \text{mml:none} \rangle \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 13 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{nuclei}$ in diamond through nitrogen vacancy centers. Physical Review B, 2010, 81, .	1.1	43
97	Modeling ¹ H NMR transverse magnetization decay in polysiloxane-silica composites. Chemical Engineering Science, 2009, 64, 4684-4692.	1.9	12
98	Electro-oxidation kinetics of adsorbed CO on platinum electrocatalysts. Chemical Engineering Science, 2009, 64, 4765-4771.	1.9	6
99	Ex situ™ magnetic resonance volume imaging. Chemical Physics Letters, 2009, 467, 398-401.	1.2	2
100	Active-Site Motions and Polarity Enhance Catalytic Turnover of Hydrated Subtilisin Dissolved in Organic Solvents. Journal of the American Chemical Society, 2009, 131, 4294-4300.	6.6	31
101	Proton conduction and characterization of an La(PO ₃) ₃ Ca(PO ₃) ₂ glass ceramic. Solid State Ionics, 2008, 178, 1811-1816.	1.3	20
102	A Methodology for the Indirect Determination and Spatial Resolution of Shear Modulus of PDMS/Silica Elastomers. Macromolecules, 2008, 41, 1323-1327.	2.2	7
103	Site-Dependent ¹³ C Chemical Shifts of CO Adsorbed on Pt Electrocatalysts. Journal of Physical Chemistry C, 2008, 112, 14702-14705.	1.5	6
104	Biocatalyst activity in nonaqueous environments correlates with centisecond-range protein motions. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15672-15677.	3.3	30
105	Penetration depth model for optical alignment of nuclear spins in GaAs. Physical Review B, 2007, 76, .	1.1	15
106	Characterizing electrocatalytic surfaces: Electrochemical and NMR studies of methanol and carbon monoxide on Pt/C. Electrochimica Acta, 2007, 53, 1365-1371.	2.6	9
107	Portable, low-cost NMR with laser-lathe lithography produced microcoils. Journal of Magnetic Resonance, 2007, 189, 121-129.	1.2	53
108	Covalency Measurements via NMR in Lithium Metal Phosphates. Applied Magnetic Resonance, 2007, 32, 547-563.	0.6	49

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109	An effective stochastic excitation strategy for finding elusive NMR signals from solids. <i>Solid State Nuclear Magnetic Resonance</i> , 2006, 29, 199-203.	1.5	5
110	Toward ex situ phase-encoded spectroscopic imaging. <i>Concepts in Magnetic Resonance Part B</i> , 2006, 29B, 137-144.	0.3	8
111	Water dynamics and salt-activation of enzymes in organic media: Mechanistic implications revealed by NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5706-5710.	3.3	49
112	Investigation of particle isolation in Li-ion battery electrodes using ⁷ Li NMR spectroscopy. <i>Electrochemistry Communications</i> , 2005, 7, 1249-1251.	2.3	25
113	Photocurrent-modulated optical nuclear polarization in bulk GaAs. <i>Applied Physics Letters</i> , 2005, 87, 232109.	1.5	8
114	Nuclear spin temperature and magnetization transport in laser-enhanced NMR of bulk GaAs. <i>Physical Review B</i> , 2005, 71, .	1.1	24
115	Layered Nickel Oxide-Based Cathodes for Lithium Cells: Analysis of Performance Loss Mechanisms. <i>Journal of the Electrochemical Society</i> , 2005, 152, A1629.	1.3	14
116	High-Resolution NMR Spectroscopy with a Portable Single-Sided Sensor. <i>Science</i> , 2005, 308, 1279-1279.	6.0	142
117	Optical polarization of nuclear spins in GaAs. <i>Physical Review B</i> , 2004, 69, .	1.1	43
118	Mechanism of Lithium Insertion into Magnesium Silicide. <i>Journal of the Electrochemical Society</i> , 2004, 151, A493.	1.3	26
119	Three-dimensional phase-encoded chemical shift MRI in the presence of inhomogeneous fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8845-8847.	3.3	24
120	Diagnostic Analysis of Electrodes from High-Power Lithium-Ion Cells Cycled under Different Conditions. <i>Journal of the Electrochemical Society</i> , 2004, 151, A857.	1.3	54
121	Nitrous oxide decomposition and surface oxygen formation on Fe-ZSM-5. <i>Journal of Catalysis</i> , 2004, 224, 148-155.	3.1	106
122	Methanol formation on Fe/Al-MFI via the oxidation of methane by nitrous oxide. <i>Journal of Catalysis</i> , 2004, 225, 300-306.	3.1	137
123	Internal combustion. <i>Nature</i> , 2003, 426, 508-509.	13.7	7
124	Influence of Substitution on the Structure and Electrochemistry of Layered Manganese Oxides. <i>Chemistry of Materials</i> , 2003, 15, 4456-4463.	3.2	44
125	NMR Studies of Structural Phase Transitions in Random Copolymers. <i>Macromolecules</i> , 2003, 36, 477-485.	2.2	1
126	Sulfur-Doped Aluminum-Substituted Manganese Oxide Spinel for Lithium-Ion Battery Applications. <i>Journal of the Electrochemical Society</i> , 2003, 150, A1060.	1.3	7

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127	An Electrochemical and XRD Study of Lithium Insertion into Mechanically Alloyed Magnesium Stannide. <i>Journal of the Electrochemical Society</i> , 2003, 150, A912.	1.3	11
128	The use of a permanent magnet for water content measurements of wood chips. <i>IEEE Transactions on Applied Superconductivity</i> , 2002, 12, 975-978.	1.1	9
129	A [⁷ Li NMR Study of Capacity Fade in Metal-Substituted Lithium Manganese Oxide Spinel. <i>Journal of the Electrochemical Society</i> , 2002, 149, A574.	1.3	36
130	[⁷ Li and [³¹ P Magic Angle Spinning Nuclear Magnetic Resonance of LiFePO ₄ -Type Materials. <i>Electrochemical and Solid-State Letters</i> , 2002, 5, A95.	2.2	74
131	The Influence of Covalence on Capacity Retention in Metal-Substituted Spinel. <i>Journal of the Electrochemical Society</i> , 2002, 149, A1409.	1.3	20
132	Hyperfine Fields at the Li Site in LiFePO ₄ -Type Olivine Materials for Lithium Rechargeable Batteries: A ⁷ Li MAS NMR and SQUID Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 3832-3833.	6.6	107
133	Magnesium silicide as a negative electrode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2002, 110, 424-429.	4.0	103
134	Cadmium Solid State NMR Studies of Cadmium-Exchanged Zeolites. <i>Catalysis Letters</i> , 2002, 80, 19-24.	1.4	4
135	Properties of GaAs nanoclusters deposited by a femtosecond laser. <i>Journal of Materials Science</i> , 2002, 37, 3953-3958.	1.7	23
136	Nuclear Magnetic Resonance and Voltammetry Studies of Carbon Monoxide Adsorption and Oxidation on a Carbon-Supported Platinum Fuel Cell Electrocatalyst. <i>Journal of the Electrochemical Society</i> , 2001, 148, A137.	1.3	53
137	Solid-State NMR Studies of Lead-Containing Zeolites. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2945-2950.	1.2	13
138	Towards more active biocatalysts in organic media: Increasing the activity of salt-activated enzymes. <i>Biotechnology and Bioengineering</i> , 2001, 75, 187-196.	1.7	50
139	A [⁷ Li Nuclear Magnetic Resonance Study of Metal-Substituted Lithium Manganese Oxide Spinel. <i>Journal of the Electrochemical Society</i> , 2001, 148, A951.	1.3	17
140	On the Salt-Induced Activation of Lyophilized Enzymes in Organic Solvents: A Effect of Salt Kosmotropicity on Enzyme Activity. <i>Journal of the American Chemical Society</i> , 2000, 122, 1565-1571.	6.6	135
141	GaAs nanostructures and films deposited by a Cu-vapor laser. <i>Applied Physics Letters</i> , 1999, 75, 2208-2210.	1.5	6
142	An in situ infrared study of NO reduction by C ₃ H ₈ over Fe-ZSM-5. <i>Catalysis Letters</i> , 1999, 63, 233-240.	1.4	115
143	Optimizing the salt-induced activation of enzymes in organic solvents: Effects of lyophilization time and water content. , 1999, 63, 233-241.		98
144	Structure and Density of Mo and Acid Sites in Mo-Exchanged H-ZSM5 Catalysts for Nonoxidative Methane Conversion. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5787-5796.	1.2	303

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145	Multinuclear NMR study of enzyme hydration in an organic solvent. , 1998, 57, 686-693.		39
146	Supertransferred Hyperfine Fields at ^7Li : Variable Temperature ^7Li NMR Studies of LiMn_2O_4 -Based Spinels. Journal of Physical Chemistry B, 1998, 102, 10142-10149.	1.2	70
147	Single-input double-tuned circuit for double resonance nuclear magnetic resonance experiments. Review of Scientific Instruments, 1998, 69, 477-478.	0.6	15
148	Multinuclear NMR study of enzyme hydration in an organic solvent. Biotechnology and Bioengineering, 1998, 57, 686-93.	1.7	10
149	Optical Pumping in Solid State Nuclear Magnetic Resonance. The Journal of Physical Chemistry, 1996, 100, 13240-13250.	2.9	79
150	Quantitative Solid-State NMR Spectra of CO Adsorbed from Aqueous Solution onto a Commercial Electrode. Journal of the American Chemical Society, 1996, 118, 12250-12251.	6.6	41
151	High-field cross polarization NMR from laser-polarized xenon to surface nuclei. Applied Magnetic Resonance, 1995, 8, 373-384.	0.6	40
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