

# Lyndon Emsley

## List of Publications by Year in descending order

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374  
papers

28,624  
citations

3668

92  
h-index

9865

146  
g-index

395  
all docs

395  
docs citations

395  
times ranked

18529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-length Scale Structure of 2D/3D Dion-Jacobson Hybrid Perovskites Based on an Aromatic Diammonium Spacer. <i>Small</i> , 2022, 18, e2104287.	5.2	10
2	Hyperpolarized Solution-State NMR Spectroscopy with Optically Polarized Crystals. <i>Journal of the American Chemical Society</i> , 2022, 144, 2511-2519.	6.6	25
3	Colloidal-ALD-Grown Hybrid Shells Nucleate via a Ligand-Precursor Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 3998-4008.	6.6	12
4	Efficient and Stable Large Bandgap MAPbBr <sub>3</sub> Perovskite Solar Cell Attaining an Open Circuit Voltage of 1.65 V. <i>ACS Energy Letters</i> , 2022, 7, 1112-1119.	8.8	21
5	Spatial Distribution of Functional Groups in Cellulose Ethers by DNP-Enhanced Solid-State NMR Spectroscopy. <i>Macromolecules</i> , 2022, 55, 2952-2958.	2.2	11
6	In-Cell Quantification of Drugs by Magic-Angle Spinning Dynamic Nuclear Polarization NMR. <i>Journal of the American Chemical Society</i> , 2022, 144, 6734-6741.	6.6	13
7	<i>De Novo</i> Crystal Structure Determination from Machine Learned Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2022, 144, 7215-7223.	6.6	14
8	<sup>1</sup> H Detected Relayed Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7564-7570.	1.5	7
9	Design Principles for the Development of Gd(III) Polarizing Agents for Magic Angle Spinning Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11310-11317.	1.5	10
10	Hyperpolarization transfer pathways in inorganic materials. <i>Journal of Magnetic Resonance</i> , 2021, 323, 106888.	1.2	6
11	Scaling analyses for hyperpolarization transfer across a spin-diffusion barrier and into bulk solid media. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1006-1020.	1.3	35
12	High Sensitivity Detection of a Solubility Limiting Surface Transformation of Drug Particles by DNP SENS. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2452-2456.	1.6	3
13	Solid-state NMR spectroscopy. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	196
14	Similarities and Differences among Protein Dynamics Studied by Variable Temperature Nuclear Magnetic Resonance Relaxation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2212-2221.	1.2	6
15	Pseudo-halide anion engineering for $\text{FAPbI}_3$ perovskite solar cells. <i>Nature</i> , 2021, 592, 381-385.	13.7	2,095
16	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate Determined by NMR. <i>Chimia</i> , 2021, 75, 272-275.	0.3	1
17	Iron incorporation in synthetic precipitated calcium silicate hydrates. <i>Cement and Concrete Research</i> , 2021, 142, 106365.	4.6	14
18	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. <i>Advanced Functional Materials</i> , 2021, 31, 2101163.	7.8	28

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19	Structure determination of an amorphous drug through large-scale NMR predictions. <i>Nature Communications</i> , 2021, 12, 2964.	5.8	35
20	Two-step immobilization of metronidazole prodrug on TEMPO cellulose nanofibrils through thiol-yne click chemistry for in situ controlled release. <i>Carbohydrate Polymers</i> , 2021, 262, 117952.	5.1	9
21	Advanced characterization of regioselectively substituted methylcellulose model compounds by DNP enhanced solid-state NMR spectroscopy. <i>Carbohydrate Polymers</i> , 2021, 262, 117944.	5.1	18
22	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	5.8	72
23	Pure Isotropic Proton Solid State NMR. <i>Journal of the American Chemical Society</i> , 2021, 143, 9834-9841.	6.6	15
24	Theory and simulations of homonuclear three-spin systems in rotating solids. <i>Journal of Chemical Physics</i> , 2021, 155, 084201.	1.2	10
25	Endogenous <sup>17</sup> O Dynamic Nuclear Polarization of Gd-Doped CeO <sub>2</sub> from 100 to 370 K. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18799-18809.	1.5	18
26	Naphthalenediimide/Formamidine-Based Low-Dimensional Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 6412-6420.	3.2	16
27	NMR spectroscopy probes microstructure, dynamics and doping of metal halide perovskites. <i>Nature Reviews Chemistry</i> , 2021, 5, 624-645.	13.8	73
28	Quantification of magic angle spinning dynamic nuclear polarization NMR spectra. <i>Journal of Magnetic Resonance</i> , 2021, 329, 107030.	1.2	6
29	Nanoscale Phase Segregation in Supramolecular $\pi$ -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	6.6	55
30	A Magic Angle Spinning Activated <sup>17</sup> O DNP Raser. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 345-349.	2.1	23
31	Unravelling the Behavior of Dion-Jacobson Layered Hybrid Perovskites in Humid Environments. <i>ACS Energy Letters</i> , 2021, 6, 337-344.	8.8	44
32	Bayesian probabilistic assignment of chemical shifts in organic solids. <i>Science Advances</i> , 2021, 7, eabk2341.	4.7	13
33	Cellulose phosphorylation comparison and analysis of phosphate position on cellulose fibers. <i>Carbohydrate Polymers</i> , 2020, 229, 115294.	5.1	61
34	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional <sup>19</sup> F Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1645-1654.	6.6	69
35	Intermediate Phase Enhances Inorganic Perovskite and Metal Oxide Interface for Efficient Photovoltaics. <i>Joule</i> , 2020, 4, 222-234.	11.7	88
36	Structural and DNA binding properties of mycobacterial integration host factor mlHF. <i>Journal of Structural Biology</i> , 2020, 209, 107434.	1.3	3

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37	Guanine-Stabilized Formamidineum Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4691-4697.	7.2	61
38	Guanine-Stabilized Formamidineum Lead Iodide Perovskites. <i>Angewandte Chemie</i> , 2020, 132, 4721-4727.	1.6	0
39	Fast remote correlation experiments for <sup>1</sup> H homonuclear decoupling in solids. <i>Journal of Magnetic Resonance</i> , 2020, 321, 106856.	1.2	8
40	Picometer Resolution Structure of the Coordination Sphere in the Metal-Binding Site in a Metalloprotein by NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 16757-16765.	6.6	33
41	Sensitivity Enhancements in Lithium Titanates by Incipient Wetness Impregnation DNP NMR. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16524-16528.	1.5	13
42	Dynamic Nuclear Polarization Enhancement of <sup>200</sup> Tl at 21.15 T Enabled by 65 kHz Magic Angle Spinning. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8386-8391.	2.1	66
43	Open and Closed Radicals: Local Geometry around Unpaired Electrons Governs Magic-Angle Spinning Dynamic Nuclear Polarization Performance. <i>Journal of the American Chemical Society</i> , 2020, 142, 16587-16599.	6.6	42
44	<sup>113</sup> Cd Solid-State NMR at 21.1 T Reveals the Local Structure and Passivation Mechanism of Cadmium in Hybrid and All-Inorganic Halide Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 2964-2971.	8.8	20
45	Multimodal Response to Copper Binding in Superoxide Dismutase Dynamics. <i>Journal of the American Chemical Society</i> , 2020, 142, 19660-19667.	6.6	15
46	Crown Ether Modulation Enables over 23% Efficient Formamidineum-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 19980-19991.	6.6	145
47	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate. <i>Journal of the American Chemical Society</i> , 2020, 142, 11060-11071.	6.6	107
48	Local Structure and Dynamics in Methylammonium, Formamidineum, and Cesium Tin(II) Mixed-Halide Perovskites from <sup>119</sup> Sn Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 7813-7826.	6.6	66
49	Enhanced Intersystem Crossing and Transient Electron Spin Polarization in a Photoexcited Pentacene-Trityl Radical. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6068-6075.	1.1	19
50	Homonuclear Decoupling in <sup>1</sup> H-NMR of Solids by Remote Correlation. <i>Angewandte Chemie</i> , 2020, 132, 6294-6297.	1.6	3
51	Intermediate Phase Enhances Inorganic Perovskite and Metal Oxide Interface for Efficient Photovoltaics. <i>Joule</i> , 2020, 4, 507-508.	11.7	4
52	Atomistic Origins of the Limited Phase Stability of Cs-Rich FA <sub>x</sub> Cs <sub>1-x</sub> Pb <sub>3</sub> Mixtures. <i>Chemistry of Materials</i> , 2020, 32, 2605-2614.	3.2	24
53	Colloidal-ALD-Grown Core/Shell CdSe/CdS Nanoplatelets as Seen by DNP Enhanced PASS-PIETA NMR Spectroscopy. <i>Nano Letters</i> , 2020, 20, 3003-3018.	4.5	24
54	Homonuclear Decoupling in <sup>1</sup> H-NMR of Solids by Remote Correlation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6235-6238.	7.2	22

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55	TinyPols: a family of water-soluble binitroxides tailored for dynamic nuclear polarization enhanced NMR spectroscopy at 18.8 and 21.1 T. <i>Chemical Science</i> , 2020, 11, 2810-2818.	3.7	72
56	Vapor-assisted deposition of highly efficient, stable black-phase FAPbI <sub>3</sub> perovskite solar cells. <i>Science</i> , 2020, 370, .	6.0	530
57	Measurement of Proton Spin Diffusivity in Hydrated Cementitious Solids. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5064-5069.	2.1	4
58	Atomic-level passivation mechanism of ammonium salts enabling highly efficient perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 3008.	5.8	268
59	Line narrowing in <sup>1</sup> H NMR of powdered organic solids with TOP-CT-MAS experiments at ultra-fast MAS. <i>Journal of Magnetic Resonance</i> , 2019, 305, 131-137.	1.2	13
60	Atomic-Level Microstructure of Efficient Formamidinium-Based Perovskite Solar Cells Stabilized by 5-Ammonium Valeric Acid Iodide Revealed by Multinuclear and Two-Dimensional Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2019, 141, 17659-17669.	6.6	104
61	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 4686.	5.8	105
62	High-resolution <sup>1</sup> H NMR of powdered solids by homonuclear dipolar decoupling. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106598.	1.2	22
63	Chemical exchange at the ferroelectric phase transition of lead germanate revealed by solid state <sup>207</sup> Pb nuclear magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1100-1109.	1.3	11
64	Maximizing nuclear hyperpolarization in pulse cooling under MAS. <i>Journal of Magnetic Resonance</i> , 2019, 300, 142-148.	1.2	16
65	A Factor Two Improvement in High-Field Dynamic Nuclear Polarization from Gd(III) Complexes by Design. <i>Journal of the American Chemical Society</i> , 2019, 141, 8746-8751.	6.6	28
66	Dynamic Nuclear Polarization Magic-Angle Spinning Nuclear Magnetic Resonance Combined with Molecular Dynamics Simulations Permits Detection of Order and Disorder in Viral Assemblies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5048-5058.	1.2	31
67	<sup>19</sup> F Magic Angle Spinning Dynamic Nuclear Polarization Enhanced NMR Spectroscopy. <i>Angewandte Chemie</i> , 2019, 131, 7327-7331.	1.6	2
68	Structural description of surfaces and interfaces in biominerals by DNP SENS. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 102, 2-11.	1.5	25
69	Rapid Structure Determination of Molecular Solids Using Chemical Shifts Directed by Unambiguous Prior Constraints. <i>Journal of the American Chemical Society</i> , 2019, 141, 16624-16634.	6.6	47
70	Lead-Oxygen Bond Length Distributions of the Relaxor Ferroelectric 0.67PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> -0.33PbTiO <sub>3</sub> from <sup>207</sup> Pb Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15744-15750.	1.5	5
71	Multifunctional Molecular Modulation for Efficient and Stable Hybrid Perovskite Solar Cells. <i>Chimia</i> , 2019, 73, 317.	0.3	19
72	Nucleobase pairing and photodimerization in a biologically derived metal-organic framework nanoreactor. <i>Nature Communications</i> , 2019, 10, 1612.	5.8	58

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73	Supramolecular Engineering for Formamidinium-Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Advanced Energy Materials</i> , 2019, 9, 1900284.	10.2	89
74	<sup>19</sup> F Magic Angle Spinning Dynamic Nuclear Polarization Enhanced NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7249-7253.	7.2	18
75	One- and Two-Dimensional High-Resolution NMR from Flat Surfaces. <i>ACS Central Science</i> , 2019, 5, 515-523.	5.3	17
76	Topology of Pretreated Wood Fibers Using Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30407-30415.	1.5	22
77	A Bayesian approach to NMR crystal structure determination. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23385-23400.	1.3	39
78	Doping and phase segregation in Mn <sup>2+</sup> - and Co <sup>2+</sup> -doped lead halide perovskites from <sup>133</sup> Cs and <sup>1</sup> H NMR relaxation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2326-2333.	5.2	59
79	Europium-Doped CsPbI <sub>2</sub> Br for Stable and Highly Efficient Inorganic Perovskite Solar Cells. <i>Joule</i> , 2019, 3, 205-214.	11.7	387
80	Elucidating an Amorphous Form Stabilization Mechanism for Tenapanor Hydrochloride: Crystal Structure Analysis Using X-ray Diffraction, NMR Crystallography, and Molecular Modeling. <i>Molecular Pharmaceutics</i> , 2018, 15, 1476-1487.	2.3	32
81	DNP enhanced NMR with flip-back recovery. <i>Journal of Magnetic Resonance</i> , 2018, 288, 69-75.	1.2	19
82	Formation of Stable Mixed Guanidinium-Methylammonium Phases with Exceptionally Long Carrier Lifetimes for High-Efficiency Lead Iodide-Based Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , 2018, 140, 3345-3351.	6.6	235
83	Structure of Lipid Nanoparticles Containing siRNA or mRNA by Dynamic Nuclear Polarization-Enhanced NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2073-2081.	1.2	121
84	One-step mechanochemical incorporation of an insoluble cesium additive for high performance planar heterojunction solar cells. <i>Nano Energy</i> , 2018, 49, 523-528.	8.2	95
85	Conformational dynamics in crystals reveal the molecular bases for D76N beta-2 microglobulin aggregation propensity. <i>Nature Communications</i> , 2018, 9, 1658.	5.8	53
86	Predicting the DNP-SENS efficiency in reactive heterogeneous catalysts from hydrophilicity. <i>Chemical Science</i> , 2018, 9, 4866-4872.	3.7	24
87	Hyperpolarized long-lived nuclear spin states in monodeuterated methyl groups. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9755-9759.	1.3	23
88	DNP-enhanced solid-state NMR spectroscopy of active pharmaceutical ingredients. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 583-609.	1.1	61
89	Addition of adamantylammonium iodide to hole transport layers enables highly efficient and electroluminescent perovskite solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 3310-3320.	15.6	137
90	Probing Protein Dynamics Using Multifold Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9697-9702.	1.2	15

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91	BDPA-Nitroxide Biradicals Tailored for Efficient Dynamic Nuclear Polarization Enhanced Solid-State NMR at Magnetic Fields up to 21.1 T. <i>Journal of the American Chemical Society</i> , 2018, 140, 13340-13349.	6.6	99
92	Multifunctional molecular modulators for perovskite solar cells with over 20% efficiency and high operational stability. <i>Nature Communications</i> , 2018, 9, 4482.	5.8	266
93	Core-Shell Structure of Organic Crystalline Nanoparticles Determined by Relayed Dynamic Nuclear Polarization NMR. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8802-8807.	1.1	22
94	Chemical shifts in molecular solids by machine learning. <i>Nature Communications</i> , 2018, 9, 4501.	5.8	170
95	Phase Segregation in Potassium-Doped Lead Halide Perovskites from <sup>39</sup> K Solid-State NMR at 21.1 T. <i>Journal of the American Chemical Society</i> , 2018, 140, 7232-7238.	6.6	130
96	Bulk Nuclear Hyperpolarization of Inorganic Solids by Relay from the Surface. <i>Journal of the American Chemical Society</i> , 2018, 140, 7946-7951.	6.6	50
97	Refocused linewidths less than 10 <sup>-4</sup> Hz in <sup>1</sup> H solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2018, 293, 41-46.	1.2	5
98	Resolving the Core and the Surface of CdSe Quantum Dots and Nanoplatelets Using Dynamic Nuclear Polarization Enhanced PASS-PIETA NMR Spectroscopy. <i>ACS Central Science</i> , 2018, 4, 1113-1125.	5.3	46
99	Transportable hyperpolarized metabolites. <i>Nature Communications</i> , 2017, 8, 13975.	5.8	86
100	Positional Variance in NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2017, 139, 2573-2576.	6.6	48
101	Oxygen-17 dynamic nuclear polarisation enhanced solid-state NMR spectroscopy at 18.8 T. <i>Chemical Communications</i> , 2017, 53, 2563-2566.	2.2	39
102	Donor-acceptor stacking arrangements in bulk and thin-film high-mobility conjugated polymers characterized using molecular modelling and MAS and surface-enhanced solid-state NMR spectroscopy. <i>Chemical Science</i> , 2017, 8, 3126-3136.	3.7	64
103	Solvent suppression in DNP enhanced solid state NMR. <i>Journal of Magnetic Resonance</i> , 2017, 277, 149-153.	1.2	31
104	Improving Sensitivity of Solid-state NMR Spectroscopy by Rational Design of Polarizing Agents for Dynamic Nuclear Polarization. <i>Chimia</i> , 2017, 71, 190-194.	0.3	4
105	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesostructured Silica Walls. <i>Helvetica Chimica Acta</i> , 2017, 100, e1700101.	1.0	24
106	Does $\chi^2$ equal 1 or 2? Enhanced powder NMR crystallography verification of a disordered room temperature crystal structure of a p38 inhibitor for chronic obstructive pulmonary disease. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16650-16661.	1.3	25
107	Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8726-8730.	7.2	26
108	Cation Dynamics in Mixed-Cation (MA) <sub>x</sub> (FA) <sub>1-x</sub> PbI <sub>3</sub> Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 10055-10061.	6.6	209

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109	Paramagnetic Properties of a Crystalline Iron <sup>2+</sup> -Sulfur Protein by Magic-Angle Spinning NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 6624-6629.	1.9	19
110	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17188-17196.	1.5	178
111	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , 2017, 9, 890-895.	6.6	222
112	Three-Dimensional Structure Determination of Surface Sites. <i>Journal of the American Chemical Society</i> , 2017, 139, 849-855.	6.6	75
113	Determining the Surface Structure of Silicated Alumina Catalysts via Isotopic Enrichment and Dynamic Nuclear Polarization Surface-Enhanced NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22977-22984.	1.5	34
114	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA) <sub>1-x</sub> (FA) <sub>x</sub> PbI <sub>3</sub> Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 14173-14180.	6.6	317
115	Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie</i> , 2017, 129, 8852-8856.	1.6	2
116	Structure of outer membrane protein G in lipid bilayers. <i>Nature Communications</i> , 2017, 8, 2073.	5.8	91
117	Dynamic Nuclear Polarization Efficiency Increased by Very Fast Magic Angle Spinning. <i>Journal of the American Chemical Society</i> , 2017, 139, 10609-10612.	6.6	52
118	Measuring Nano- to Microstructures from Relayed Dynamic Nuclear Polarization NMR. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15993-16005.	1.5	88
119	Local Structures and Heterogeneity of Silica-Supported M(III) Sites Evidenced by EPR, IR, NMR, and Luminescence Spectroscopies. <i>Journal of the American Chemical Society</i> , 2017, 139, 8855-8867.	6.6	58
120	Reactive surface organometallic complexes observed using dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , 2017, 8, 284-290.	3.7	55
121	Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , 2017, 8, 416-422.	3.7	35
122	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie</i> , 2016, 128, 4821-4825.	1.6	6
123	Monolayer Doping of Silicon through Grafting a Tailored Molecular Phosphorus Precursor onto Oxide-Passivated Silicon Surfaces. <i>Chemistry of Materials</i> , 2016, 28, 3634-3640.	3.2	50
124	Structure elucidation of a complex CO <sub>2</sub> -based organic framework material by NMR crystallography. <i>Chemical Science</i> , 2016, 7, 4379-4390.	3.7	39
125	Correlating Synthetic Methods, Morphology, Atomic-Level Structure, and Catalytic Activity of Sn <sup>IV</sup> Catalysts. <i>ACS Catalysis</i> , 2016, 6, 4047-4063.	5.5	106
126	Molecular Level Characterization of the Structure and Interactions in Peptide-Functionalized Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2016, 22, 16531-16538.	1.7	27



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127	<sup>35</sup> Cl dynamic nuclear polarization solid-state NMR of active pharmaceutical ingredients. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25893-25904.	1.3	87
128	Structure of fully protonated proteins by proton-detected magic-angle spinning NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9187-9192.	3.3	224
129	Hyperpolarization of Frozen Hydrocarbon Gases by Dynamic Nuclear Polarization at 1.2 K. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3235-3239.	2.1	18
130	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4743-4747.	7.2	52
131	Weak and Transient Protein Interactions Determined by Solid-State NMR. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6638-6641.	7.2	28
132	Atomic-level organization of vicinal acid-base pairs through the chemisorption of aniline and derivatives onto mesoporous SBA15. <i>Chemical Science</i> , 2016, 7, 6099-6105.	3.7	16
133	Weak and Transient Protein Interactions Determined by Solid-State NMR. <i>Angewandte Chemie</i> , 2016, 128, 6750-6753.	1.6	14
134	Dynamic nuclear polarization at 40 kHz magic angle spinning. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10616-10622.	1.3	74
135	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. <i>Chemical Science</i> , 2016, 7, 550-558.	3.7	141
136	Iridium(I)/N-Heterocyclic Carbene Hybrid Materials: Surface Stabilization of Low-Valent Iridium Species for High Catalytic Hydrogenation Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12937-12941.	7.2	33
137	Solid-State Dynamic Nuclear Polarization at 9.4 and 18.8 T from 100 K to Room Temperature. <i>Journal of the American Chemical Society</i> , 2015, 137, 14558-14561.	6.6	87
138	Lipid bilayer-bound conformation of an integral membrane beta barrel protein by multidimensional MAS NMR. <i>Journal of Biomolecular NMR</i> , 2015, 61, 299-310.	1.6	38
139	Alkane Metathesis with the Tantalum Methylidene $[(\text{SiO})_2\text{Ta}(\text{CH})_2\text{Me}]_2$ Generated from Well-Defined Surface Organometallic Complex $[(\text{SiO})_2\text{Ta}(\text{CH})_2\text{Me}]_4$ . <i>Journal of the American Chemical Society</i> , 2015, 137, 588-591.	6.6	65
140	Atomistic Description of Thiostannate-Capped CdSe Nanocrystals: Retention of Four-Coordinate SnS <sub>4</sub> Motif and Preservation of Cd-Rich Stoichiometry. <i>Journal of the American Chemical Society</i> , 2015, 137, 1862-1874.	6.6	48
141	Sensitivity and resolution of proton detected spectra of a deuterated protein at 40 and 60 kHz magic-angle-spinning. <i>Journal of Biomolecular NMR</i> , 2015, 61, 161-171.	1.6	34
142	Protein residue linking in a single spectrum for magic-angle spinning NMR assignment. <i>Journal of Biomolecular NMR</i> , 2015, 62, 253-261.	1.6	44
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