

# Lyndon Emsley

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

382 papers	22,263 citations	83 h-index	127 g-index
395 ext. papers	25,681 ext. citations	9.7 avg, IF	6.98 L-index

#	Paper	IF	Citations
382	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> , <b>2022</b> , 7, 1112-1119	20.1	4
381	H Detected Relayed Dynamic Nuclear Polarization.. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 7564-7570	9.8	1
380	Multi-Length Scale Structure of 2D/3D Dion-Jacobson Hybrid Perovskites Based on an Aromatic Diammonium Spacer. <i>Small</i> , <b>2021</b> , e2104287	11	0
379	Bayesian probabilistic assignment of chemical shifts in organic solids. <i>Science Advances</i> , <b>2021</b> , 7, eabk2341	14.3	3
378	A Magic Angle Spinning Activated O DNP Raser. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 345-349	6.4	9
377	Unravelling the Behavior of Dion-Jacobson Layered Hybrid Perovskites in Humid Environments. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 337-344	20.1	13
376	Pseudo-halide anion engineering for FAPbI perovskite solar cells. <i>Nature</i> , <b>2021</b> , 592, 381-385	50.4	814
375	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate Determined by NMR. <i>Chimia</i> , <b>2021</b> , 75, 272-275	1.3	0
374	Iron incorporation in synthetic precipitated calcium silicate hydrates. <i>Cement and Concrete Research</i> , <b>2021</b> , 142, 106365	10.3	1
373	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101163	15.6	10
372	Structure determination of an amorphous drug through large-scale NMR predictions. <i>Nature Communications</i> , <b>2021</b> , 12, 2964	17.4	11
371	Two-step immobilization of metronidazole prodrug on TEMPO cellulose nanofibrils through thiol-yne click chemistry for in situ controlled release. <i>Carbohydrate Polymers</i> , <b>2021</b> , 262, 117952	10.3	2
370	Advanced characterization of regioselectively substituted methylcellulose model compounds by DNP enhanced solid-state NMR spectroscopy. <i>Carbohydrate Polymers</i> , <b>2021</b> , 262, 117944	10.3	7
369	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , <b>2021</b> , 12, 3383	17.4	17
368	Pure Isotropic Proton Solid State NMR. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9834-9841	16.4	3
367	Hyperpolarization transfer pathways in inorganic materials. <i>Journal of Magnetic Resonance</i> , <b>2021</b> , 323, 106888	3	2
366	Scaling analyses for hyperpolarization transfer across a spin-diffusion barrier and into bulk solid media. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 1006-1020	3.6	11

365	High Sensitivity Detection of a Solubility Limiting Surface Transformation of Drug Particles by DNP SENS. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 2452-2456	3.9	1
364	Solid-state NMR spectroscopy. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		62
363	Similarities and Differences among Protein Dynamics Studied by Variable Temperature Nuclear Magnetic Resonance Relaxation. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 2212-2221	3.4	3
362	Theory and simulations of homonuclear three-spin systems in rotating solids. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 084201	3.9	1
361	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> , <b>2021</b> , 125, 18799-18809	3.8	4
360	Naphthalenediimide/Formamidinium-Based Low-Dimensional Perovskites. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6412-6420	9.6	2
359	NMR spectroscopy probes microstructure, dynamics and doping of metal halide perovskites. <i>Nature Reviews Chemistry</i> , <b>2021</b> , 5, 624-645	34.6	27
358	Quantification of magic angle spinning dynamic nuclear polarization NMR spectra. <i>Journal of Magnetic Resonance</i> , <b>2021</b> , 329, 107030	3	3
357	Nanoscale Phase Segregation in Supramolecular Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1529-1538	16.4	26
356	Multimodal Response to Copper Binding in Superoxide Dismutase Dynamics. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19660-19667	16.4	4
355	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19980-19991	16.4	72
354	The Atomic-Level Structure of Cementitious Calcium Aluminate Silicate Hydrate. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11060-11071	16.4	43
353	Local Structure and Dynamics in Methylammonium, Formamidinium, and Cesium Tin(II) Mixed-Halide Perovskites from Sn Solid-State NMR. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7813-7826	16.4	43
352	Enhanced Intersystem Crossing and Transient Electron Spin Polarization in a Photoexcited Pentacene-Trityl Radical. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 6068-6075	2.8	9
351	Homonuclear Decoupling in <sup>1</sup> H NMR of Solids by Remote Correlation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6294-6297	3.6	0
350	Intermediate Phase Enhances Inorganic Perovskite and Metal Oxide Interface for Efficient Photovoltaics. <i>Joule</i> , <b>2020</b> , 4, 507-508	27.8	2
349	Atomistic Origins of the Limited Phase Stability of Cs <sup>+</sup> -Rich FAPbI <sub>3</sub> Mixtures. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2605-2614	9.6	14
348	Colloidal-ALD-Grown Core/Shell CdSe/CdS Nanoplatelets as Seen by DNP Enhanced PASS-PIETA NMR Spectroscopy. <i>Nano Letters</i> , <b>2020</b> , 20, 3003-3018	11.5	16

347	Homonuclear Decoupling in $^1\text{H}$ NMR of Solids by Remote Correlation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6235-6238	16.4	11
346	Vapor-assisted deposition of highly efficient, stable black-phase FAPbI perovskite solar cells. <i>Science</i> , <b>2020</b> , 370,	33.3	257
345	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> , <b>2020</b> , 11, 2810-2818	9.4	36
344	Cellulose phosphorylation comparison and analysis of phosphate position on cellulose fibers. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115294	10.3	24
343	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional F Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1645-1654	16.4	43
342	Intermediate Phase Enhances Inorganic Perovskite and Metal Oxide Interface for Efficient Photovoltaics. <i>Joule</i> , <b>2020</b> , 4, 222-234	27.8	55
341	Structural and DNA binding properties of mycobacterial integration host factor mIHF. <i>Journal of Structural Biology</i> , <b>2020</b> , 209, 107434	3.4	1
340	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4691-4697	16.4	40
339	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4721-4727	3.6	
338	Fast remote correlation experiments for $^1\text{H}$ homonuclear decoupling in solids. <i>Journal of Magnetic Resonance</i> , <b>2020</b> , 321, 106856	3	2
337	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> , <b>2020</b> , 142, 16757-16765	16.4	19
336	Sensitivity Enhancements in Lithium Titanates by Incipient Wetness Impregnation DNP NMR. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 16524-16528	3.8	8
335	Dynamic Nuclear Polarization Enhancement of $^{200}\text{Tl}$ at 21.15 T Enabled by 65 kHz Magic Angle Spinning. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8386-8391	6.4	30
334	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> , <b>2020</b> , 142, 16587-16599	16.4	18
333	$^{113}\text{Cd}$ 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> , <b>2020</b> , 5, 2964-2971	20.1	12
332	High-resolution $^1\text{H}$ NMR of powdered solids by homonuclear dipolar decoupling. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 309, 106598	3	13
331	Chemical exchange at the ferroelectric phase transition of lead germanate revealed by solid state Pb nuclear magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 1100-1109	3.6	10
330	Maximizing nuclear hyperpolarization in pulse cooling under MAS. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 300, 142-148	3	13

329	A Factor Two Improvement in High-Field Dynamic Nuclear Polarization from Gd(III) Complexes by Design. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8746-8751	16.4	17
328	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> , <b>2019</b> , 123, 5048-5058	3.4	15
327	<sup>19</sup> F Magic Angle Spinning Dynamic Nuclear Polarization Enhanced NMR Spectroscopy. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7327-7331	3.6	1
326	Structural description of surfaces and interfaces in biominerals by DNP SENS. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2019</b> , 102, 2-11	3.1	13
325	Rapid Structure Determination of Molecular Solids Using Chemical Shifts Directed by Unambiguous Prior Constraints. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16624-16634	16.4	26
324	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> , <b>2019</b> , 123, 15744-15750	3.8	3
323	Multifunctional Molecular Modulation for Efficient and Stable Hybrid Perovskite Solar Cells. <i>Chimia</i> , <b>2019</b> , 73, 317-323	1.3	16
322	Nucleobase pairing and photodimerization in a biologically derived metal-organic framework nanoreactor. <i>Nature Communications</i> , <b>2019</b> , 10, 1612	17.4	31
321	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> , <b>2019</b> , 9, 1900284	21.8	71
320	<sup>1</sup> F Magic Angle Spinning Dynamic Nuclear Polarization Enhanced NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7249-7253	16.4	13
319	Measurement of Proton Spin Diffusivity in Hydrated Cementitious Solids. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5064-5069	6.4	2
318	Atomic-level passivation mechanism of ammonium salts enabling highly efficient perovskite solar cells. <i>Nature Communications</i> , <b>2019</b> , 10, 3008	17.4	178
317	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> , <b>2019</b> , 305, 131-137	3	10
316	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> , <b>2019</b> , 141, 17659-17669	16.4	63
315	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. <i>Nature Communications</i> , <b>2019</b> , 10, 4686	17.4	65
314	One- and Two-Dimensional High-Resolution NMR from Flat Surfaces. <i>ACS Central Science</i> , <b>2019</b> , 5, 515-523	3.8	11
313	Topology of Pretreated Wood Fibers Using Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 30407-30415	3.8	12
312	A Bayesian approach to NMR crystal structure determination. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 23385-23400	3.6	24

311	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> , <b>2019</b> , 7, 2326-2333	13	48
310	Europium-Doped CsPbI <sub>2</sub> Br for Stable and Highly Efficient Inorganic Perovskite Solar Cells. <i>Joule</i> , <b>2019</b> , 3, 205-214	27.8	290
309	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> , <b>2018</b> , 15, 1476-1487	5.6	23
308	DNP enhanced NMR with flip-back recovery. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 288, 69-75	3	18
307	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> , <b>2018</b> , 140, 3345-3351	16.4	183
306	Structure of Lipid Nanoparticles Containing siRNA or mRNA by Dynamic Nuclear Polarization-Enhanced NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 2073-2081	3.4	66
305	One-step mechanochemical incorporation of an insoluble cesium additive for high performance planar heterojunction solar cells. <i>Nano Energy</i> , <b>2018</b> , 49, 523-528	17.1	70
304	Conformational dynamics in crystals reveal the molecular bases for D76N beta-2 microglobulin aggregation propensity. <i>Nature Communications</i> , <b>2018</b> , 9, 1658	17.4	35
303	Predicting the DNP-SENS efficiency in reactive heterogeneous catalysts from hydrophilicity. <i>Chemical Science</i> , <b>2018</b> , 9, 4866-4872	9.4	17
302	Hyperpolarized long-lived nuclear spin states in monodeuterated methyl groups. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 9755-9759	3.6	18
301	DNP-enhanced solid-state NMR spectroscopy of active pharmaceutical ingredients. <i>Magnetic Resonance in Chemistry</i> , <b>2018</b> , 56, 583-609	2.1	48
300	Addition of adamantylammonium iodide to hole transport layers enables highly efficient and electroluminescent perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3310-3320	35.4	118
299	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 9697-9702	3.4	11
298	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> , <b>2018</b> , 140, 13340-13349	16.4	64
297	Multifunctional molecular modulators for perovskite solar cells with over 20% efficiency and high operational stability. <i>Nature Communications</i> , <b>2018</b> , 9, 4482	17.4	189
296	Core-Shell Structure of Organic Crystalline Nanoparticles Determined by Relayed Dynamic Nuclear Polarization NMR. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 8802-8807	2.8	17
295	Chemical shifts in molecular solids by machine learning. <i>Nature Communications</i> , <b>2018</b> , 9, 4501	17.4	110
294	Phase Segregation in Potassium-Doped Lead Halide Perovskites from K Solid-State NMR at 21.1 T. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7232-7238	16.4	106

293	Bulk Nuclear Hyperpolarization of Inorganic Solids by Relay from the Surface. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7946-7951	16.4	40
292	Refocused linewidths less than 10 Hz in H solid-state NMR. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 293, 41-46	3	3
291	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> , <b>2018</b> , 4, 1113-1125	16.8	31
290	Transportable hyperpolarized metabolites. <i>Nature Communications</i> , <b>2017</b> , 8, 13975	17.4	66
289	Positional Variance in NMR Crystallography. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2573-2576	16.4	38
288	Oxygen-17 dynamic nuclear polarisation enhanced solid-state NMR spectroscopy at 18.8 T. <i>Chemical Communications</i> , <b>2017</b> , 53, 2563-2566	5.8	35
287	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> , <b>2017</b> , 8, 3126-3136	9.4	50
286	Solvent suppression in DNP enhanced solid state NMR. <i>Journal of Magnetic Resonance</i> , <b>2017</b> , 277, 149-153	15.3	25
285	Improving Sensitivity of Solid-state NMR Spectroscopy by Rational Design of Polarizing Agents for Dynamic Nuclear Polarization. <i>Chimia</i> , <b>2017</b> , 71, 190-194	1.3	4
284	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesoporous Silica Walls. <i>Helvetica Chimica Acta</i> , <b>2017</b> , 100, e1700101	2	14
283	Does ZN <sub>2</sub> 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> , <b>2017</b> , 19, 16650-16661	3.6	18
282	Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8726-8730	16.4	18
281	Cation Dynamics in Mixed-Cation (MA)(FA)PbI Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10055-10061	16.4	160
280	Paramagnetic Properties of a Crystalline Iron-Sulfur Protein by Magic-Angle Spinning NMR Spectroscopy. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 6624-6629	5.1	16
279	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17188-17196	3.8	114
278	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , <b>2017</b> , 9, 890-895	17.6	158
277	Three-Dimensional Structure Determination of Surface Sites. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 849-855	16.4	61
276	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> , <b>2017</b> , 121, 22977-22984	3.8	27

275	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA)(FA)PbI Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14173-14180	16.4	260
274	Frozen Acrylamide Gels as Dynamic Nuclear Polarization Matrices. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8852-8856	9.4	3
273	Structure of outer membrane protein G in lipid bilayers. <i>Nature Communications</i> , <b>2017</b> , 8, 2073	17.4	69
272	Dynamic Nuclear Polarization Efficiency Increased by Very Fast Magic Angle Spinning. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10609-10612	16.4	37
271	Measuring Nano- to Microstructures from Relayed Dynamic Nuclear Polarization NMR. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 15993-16005	3.8	61
270	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> , <b>2017</b> , 139, 8855-8867	16.4	46
269	Reactive surface organometallic complexes observed using dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , <b>2017</b> , 8, 284-290	9.4	44
268	Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , <b>2017</b> , 8, 416-422	9.4	27
267	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. <i>Chemical Science</i> , <b>2016</b> , 7, 550-558	9.4	117
266	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4743-7	16.4	43
265	Weak and Transient Protein Interactions Determined by Solid-State NMR. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6638-41	16.4	22
264	Atomic-level organization of vicinal acid-base pairs through the chemisorption of aniline and derivatives onto mesoporous SBA15. <i>Chemical Science</i> , <b>2016</b> , 7, 6099-6105	9.4	12
263	Weak and Transient Protein Interactions Determined by Solid-State NMR. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6750-6753	3.6	11
262	Dynamic nuclear polarization at 40 kHz magic angle spinning. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 10616-22	3.6	60
261	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 4821-4825	3.6	6
260	Monolayer Doping of Silicon through Grafting a Tailored Molecular Phosphorus Precursor onto Oxide-Passivated Silicon Surfaces. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 3634-3640	9.6	39
259	Structure elucidation of a complex CO-based organic framework material by NMR crystallography. <i>Chemical Science</i> , <b>2016</b> , 7, 4379-4390	9.4	34
258	Correlating Synthetic Methods, Morphology, Atomic-Level Structure, and Catalytic Activity of Sn-IV Catalysts. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4047-4063	13.1	85

257	Molecular Level Characterization of the Structure and Interactions in Peptide-Functionalized Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16531-16538	4.8	20
256	Cl dynamic nuclear polarization solid-state NMR of active pharmaceutical ingredients. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25893-25904	3.6	69
255	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> , <b>2016</b> , 113, 9187-92	11.5	179
254	Hyperpolarization of Frozen Hydrocarbon Gases by Dynamic Nuclear Polarization at 1.2 K. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3235-9	6.4	14
253	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> , <b>2015</b> , 61, 161-71	3	32
252	Protein residue linking in a single spectrum for magic-angle spinning NMR assignment. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 62, 253-61	3	33
251	Influences of Dilute Organic Adsorbates on the Hydration of Low-Surface-Area Silicates. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8096-112	16.4	71
250	Structure and Mechanism of the Influenza A M218-60 Dimer of Dimers. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14877-86	16.4	81
249	Protein dynamics. Direct observation of hierarchical protein dynamics. <i>Science</i> , <b>2015</b> , 348, 578-81	33.3	173
248	Macroscopic nuclear spin diffusion constants of rotating polycrystalline solids from first-principles simulation. <i>Journal of Magnetic Resonance</i> , <b>2015</b> , 254, 48-55	3	16
247	Cooperative Effect of Monopodal Silica-Supported Niobium Complex Pairs Enhancing Catalytic Cyclic Carbonate Production. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7728-39	16.4	100
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