

# Steven P Brown

## List of Publications by Year in descending order

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137  
papers

8,248  
citations

31976

53  
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51608

86  
g-index

150  
all docs

150  
docs citations

150  
times ranked

6122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Solid-State NMR Methods for the Elucidation of Structure and Dynamics of Molecular, Macromolecular, and Supramolecular Systems. <i>Chemical Reviews</i> , 2001, 101, 4125-4156.	47.7	482
2	Identifying the components of the solidâ€“electrolyte interphase in Li-ion batteries. <i>Nature Chemistry</i> , 2019, 11, 789-796.	13.6	331
3	Applications of high-resolution <sup>1</sup> H solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 41, 1-27.	2.3	288
4	Folding of xylan onto cellulose fibrils in plant cell walls revealed by solid-state NMR. <i>Nature Communications</i> , 2016, 7, 13902.	12.8	287
5	An even pattern of xylan substitution is critical for interaction with cellulose in plant cell walls. <i>Nature Plants</i> , 2017, 3, 859-865.	9.3	204
6	An Investigation of Hydrogen Bonding in Benzoxazine Dimers by Fast Magic-Angle Spinning and Double-Quantum <sup>1</sup> H NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1998, 120, 11784-11795.	13.7	197
7	An Investigation of $\pi$ - $\pi$ Packing in a Columnar Hexabenzocoronene by Fast Magic-Angle Spinning and Double-Quantum <sup>1</sup> H Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999, 121, 6712-6718.	13.7	195
8	Probing protonâ€“proton proximities in the solid state. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2007, 50, 199-251.	7.5	193
9	An Investigation of Weak CHâ€“O Hydrogen Bonds in Maltose Anomers by a Combination of Calculation and Experimental Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 10216-10220.	13.7	185
10	Two-Dimensional Multiple-Quantum MAS NMR of Quadrupolar Nuclei: A Comparison of Methods. <i>Journal of Magnetic Resonance</i> , 1997, 128, 42-61.	2.1	182
11	A G <sub>4</sub> K <sup>+</sup> Hydrogel Stabilized by an Anion. <i>Journal of the American Chemical Society</i> , 2014, 136, 12596-12599.	13.7	163
12	Molecular architecture of softwood revealed by solid-state NMR. <i>Nature Communications</i> , 2019, 10, 4978.	12.8	157
13	Role of Aniline Oligomeric Nanosheets in the Formation of Polyaniline Nanotubes. <i>Macromolecules</i> , 2010, 43, 662-670.	4.8	155
14	Structure Assignment in the Solid State by the Coupling of Quantum Chemical Calculations with NMR Experiments: A Columnar Hexabenzocoronene Derivative. <i>Journal of the American Chemical Society</i> , 2001, 123, 2597-2606.	13.7	145
15	G4-QuartetM <sup>+</sup> Borate Hydrogels. <i>Journal of the American Chemical Society</i> , 2015, 137, 5819-5827.	13.7	140
16	NMR Crystallography of Campho[2,3-c]pyrazole ( $Z$ = 6): Combining High-Resolution <sup>1</sup> H- <sup>13</sup> C Solid-State MAS NMR Spectroscopy and GIPAW Chemical-Shift Calculations. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10435-10442.	2.5	127
17	Origins of linewidth in <sup>1</sup> H magic-angle spinning NMR. <i>Journal of Chemical Physics</i> , 2006, 125, 144508.	3.0	121
18	Probing Hydrogen Bonding in Cocrystals and Amorphous Dispersions Using <sup>14</sup> N- <sup>1</sup> H HMQC Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2013, 10, 999-1007.	4.6	119

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19	Probing Proton-Proton Proximities in the Solid State: A High-Resolution Two-Dimensional $^1\text{H}$ Double-Quantum CRAMPS NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 13230-13231.	13.7	118
20	Quantifying Weak Hydrogen Bonding in Uracil and 4-Cyano-4-ethynylbiphenyl: A Combined Computational and Experimental Investigation of NMR Chemical Shifts in the Solid State. <i>Journal of the American Chemical Society</i> , 2008, 130, 945-954.	13.7	112
21	High-Resolution NMR Correlation Spectra of Disordered Solids. <i>Journal of the American Chemical Society</i> , 2003, 125, 4376-4380.	13.7	110
22	Golgi-localized STELLO proteins regulate the assembly and trafficking of cellulose synthase complexes in Arabidopsis. <i>Nature Communications</i> , 2016, 7, 11656.	12.8	110
23	Determining hydrogen-bond strengths in the solid state by NMR: the quantitative measurement of homonuclear J couplings. <i>Chemical Communications</i> , 2002, , 1852-1853.	4.1	107
24	Supramolecular Assembly of Dendritic Polymers Elucidated by $^1\text{H}$ and $^{13}\text{C}$ Solid-State MAS NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 13284-13297.	13.7	106
25	Structure and Dynamics of the Host-Guest Complex of a Molecular Tweezer: Coupling Synthesis, Solid-State NMR, and Quantum-Chemical Calculations. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 717-720.	13.8	96
26	Probing intermolecular interactions and nitrogen protonation in pharmaceuticals by novel $^{15}\text{N}$ -edited and 2D $^{14}\text{N}$ - $^1\text{H}$ solid-state NMR. <i>CrystEngComm</i> , 2012, 14, 2654.	2.6	85
27	Principles of Spin-Echo Modulation by J-Couplings in Magic-Angle-Spinning Solid-State NMR. <i>ChemPhysChem</i> , 2004, 5, 815-833.	2.1	84
28	Complete $^1\text{H}$ resonance assignment of $\beta$ -D-maltose from $^1\text{H}$ DQ-SQ CRAMPS and $^1\text{H}$ (DQ-DUMBO) $^{13}\text{C}$ SQ refocused INEPT 2D solid-state NMR spectra and first principles GIPAW calculations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6970.	2.8	83
29	Through-space contributions to two-dimensional double-quantum J correlation NMR spectra of magic-angle-spinning solids. <i>Journal of Chemical Physics</i> , 2005, 122, 194313.	3.0	82
30	Exploiting the Synergy of Powder X-ray Diffraction and Solid-State NMR Spectroscopy in Structure Determination of Organic Molecular Solids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12258-12265.	3.1	81
31	An Investigation of the Hydrogen-Bonding Structure in Bilirubin by $^1\text{H}$ Double-Quantum Magic-Angle Spinning Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 4275-4285.	13.7	78
32	The Direct Detection of a Hydrogen Bond in the Solid State by NMR through the Observation of a Hydrogen-Bond Mediated $^{15}\text{N}$ - $^{15}\text{N}$ Coupling. <i>Journal of the American Chemical Society</i> , 2002, 124, 1152-1153.	13.7	77
33	The refocused INADEQUATE MAS NMR experiment in multiple spin-systems: Interpreting observed correlation peaks and optimising lineshapes. <i>Journal of Magnetic Resonance</i> , 2007, 188, 24-34.	2.1	76
34	Probing Heteronuclear $^{15}\text{N}$ - $^{17}\text{O}$ and $^{13}\text{C}$ - $^{17}\text{O}$ Connectivities and Proximities by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 1820-1834.	13.7	76
35	Recent Advances in Solid-State MAS NMR Methodology for Probing Structure and Dynamics in Polymeric and Supramolecular Systems. <i>Macromolecular Rapid Communications</i> , 2009, 30, 688-716.	3.9	75
36	Spinning-sideband patterns in multiple-quantum magic-angle spinning NMR spectroscopy. <i>Molecular Physics</i> , 1998, 95, 1209-1227.	1.7	72

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37	Identifying Guanosine Self Assembly at Natural Isotopic Abundance by High-Resolution <sup>1</sup> H and <sup>13</sup> C Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 19777-19795.	13.7	72
38	Identifying the intermolecular hydrogen-bonding supramolecular synthons in an indomethacin–nicotinamide cocrystal by solid-state NMR. <i>Chemical Communications</i> , 2012, 48, 10844.	4.1	72
39	An NMR crystallography DFT-D approach to analyse the role of intermolecular hydrogen bonding and $\pi$ – $\pi$ interactions in driving cocrystallisation of indomethacin and nicotinamide. <i>CrystEngComm</i> , 2013, 15, 8797.	2.6	70
40	Probing the Molecular Architecture of <i>Arabidopsis thaliana</i> Secondary Cell Walls Using Two- and Three-Dimensional <sup>13</sup> C Solid State Nuclear Magnetic Resonance Spectroscopy. <i>Biochemistry</i> , 2015, 54, 2335-2345.	2.5	69
41	<sup>23</sup> Na NMR methods for selective observation of sodium ions in ordered environments. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1997, 30, 157-181.	7.5	67
42	Probing Intermolecular Crystal Packing in <sup>13</sup> -Indomethacin by High-Resolution <sup>1</sup> H Solid-State NMR Spectroscopy. <i>Crystal Growth and Design</i> , 2011, 11, 3463-3471.	3.0	67
43	Determining relative proton–proton proximities from the build-up of two-dimensional correlation peaks in <sup>1</sup> H double-quantum MAS NMR: insight from multi-spin density-matrix simulations. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6941.	2.8	66
44	Distinguishing Anhydrous and Hydrated Forms of an Active Pharmaceutical Ingredient in a Tablet Formulation Using Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8036-8038.	13.8	65
45	Density Functional Theory Calculations of Hydrogen-Bond-Mediated NMR <sup>1</sup> J Coupling in the Solid State. <i>Journal of the American Chemical Society</i> , 2008, 130, 12663-12670.	13.7	63
46	The competing effects of $\pi$ – $\pi$ packing and hydrogen bonding in a hexabenzocoronene carboxylic acid derivative: A <sup>1</sup> H solid-state MAS NMR investigation. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1735-1745.	2.8	62
47	Determination of a complex crystal structure in the absence of single crystals: analysis of powder X-ray diffraction data, guided by solid-state NMR and periodic DFT calculations, reveals a new 2-deoxyguanosine structural motif. <i>Chemical Science</i> , 2017, 8, 3971-3979.	7.4	62
48	Quantifying hydrogen-bonding strength: the measurement of <sup>2</sup> hJNN couplings in self-assembled guanosines by solid-state <sup>15</sup> N spin-echo MAS NMR. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3416.	2.8	60
49	Visualization and processing of computed solid-state NMR parameters: MagresView and MagresPython. <i>Solid State Nuclear Magnetic Resonance</i> , 2016, 78, 64-70.	2.3	57
50	A Study of a Molecular Tweezer Host–Guest System by a Combination of Quantum-Chemical Calculations and Solid-State NMR Experiments. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 22, 128-153.	2.3	55
51	Combining the Advantages of Powder X-ray Diffraction and NMR Crystallography in Structure Determination of the Pharmaceutical Material Cimetidine Hydrochloride. <i>Crystal Growth and Design</i> , 2016, 16, 1798-1804.	3.0	55
52	Structure of Molecular Tweezer Complexes in the Solid State: <sup>1</sup> H NMR Experiments, X-ray Investigations, and Quantum Chemical Calculations. <i>Journal of the American Chemical Society</i> , 2007, 129, 1293-1303.	13.7	53
53	Multiple-quantum cross-polarization in MAS NMR of quadrupolar nuclei. <i>Chemical Physics Letters</i> , 1998, 288, 509-517.	2.6	52
54	Investigation of an N <sub>2</sub> H <sub>2</sub> hydrogen bond in a solid benzoxazine dimer by <sup>1</sup> H- <sup>15</sup> N NMR correlation techniques under fast magic-angle spinning. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S5-S17.	1.9	51

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55	Quantification of homonuclear dipolar coupling networks from magic-angle spinning $^1\text{H}$ NMR. <i>Molecular Physics</i> , 2006, 104, 293-304.	1.7	51
56	$^{31}\text{P}$ MAS Refocused INADEQUATE Spin-Echo (REINE) NMR Spectroscopy: Revealing $^1\text{H}$ Coupling and Chemical Shift Two-Dimensional Correlations in Disordered Solids. <i>Journal of the American Chemical Society</i> , 2009, 131, 11861-11874.	13.7	51
57	A $^1\text{H}$ double-quantum magic-angle spinning solid-state NMR investigation of packing and dynamics in triphenylene and hexabenzocoronene derivatives. <i>Journal of Molecular Structure</i> , 2000, 521, 179-195.	3.6	49
58	An NMR crystallography study of the hemihydrate of $2\text{-O-isopropylidene-guanosine}$ . <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 65, 41-48.	2.3	48
59	Identification by $^{15}\text{N}$ Refocused INADEQUATE MAS NMR of Intermolecular Hydrogen Bonding that Directs the Self-Assembly of Modified DNA Bases. <i>Journal of the American Chemical Society</i> , 2005, 127, 16018-16019.	13.7	47
60	Residual Dipolar Couplings by Off-Magic-Angle Spinning in Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 10972-10973.	13.7	41
61	Determination of the bond-angle distribution in vitreous $\text{B}_2\text{O}_3$ by $^{11}\text{B}$ double rotation (DOR) NMR spectroscopy. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2402-2408.	2.9	41
62	Hydrogen Bonding in Alzheimer's Amyloid $\beta$ Fibrils Probed by $^{15}\text{N}\{^{17}\text{O}\}$ REAPDOR Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10289-10292.	13.8	41
63	Interplay of Noncovalent Interactions in Ribbon-like Guanosine Self-Assembly: An NMR Crystallography Study. <i>Crystal Growth and Design</i> , 2015, 15, 5945-5954.	3.0	40
64	Accurate Measurements of $^{13}\text{C}\text{-}^{13}\text{C}$ Couplings in the Rhodopsin Chromophore by Double-Quantum Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 3878-3879.	13.7	38
65	Fast Magic-Angle Spinning Three-Dimensional NMR Experiment for Simultaneously Probing $^1\text{H}$ and $^{15}\text{N}$ Proximities in Solids. <i>Analytical Chemistry</i> , 2016, 88, 11412-11419.	6.5	38
66	The 2D MAS NMR spin-echo experiment: the determination of $^{13}\text{C}\text{-}^{13}\text{C}$ J couplings in a solid-state cellulose sample. <i>Journal of Magnetic Resonance</i> , 2004, 171, 43-47.	2.1	35
67	Strong Intermolecular Ring Current Influence on $^1\text{H}$ Chemical Shifts in Two Crystalline Forms of Naproxen: a Combined Solid-State NMR and DFT Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17731-17740.	3.1	35
68	Towards homonuclear J solid-state NMR correlation experiments for half-integer quadrupolar nuclei: experimental and simulated $^{11}\text{B}$ MAS spin-echo dephasing and calculated $^2\text{J}_{\text{BB}}$ coupling constants for lithium diborate. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5778.	2.8	34
69	Improving Confidence in Crystal Structure Solutions Using NMR Crystallography: The Case of $\beta$ -Piroxicam. <i>Crystal Growth and Design</i> , 2018, 18, 3339-3351.	3.0	34
70	Estimation of internuclear couplings in the solid-state NMR of multiple-spin systems. Selective spin echoes and off-magic-angle sample spinning. <i>Chemical Physics Letters</i> , 2008, 456, 116-121.	2.6	33
71	Determination of NMR interaction parameters from double rotation NMR. <i>Journal of Magnetic Resonance</i> , 2007, 188, 246-259.	2.1	31
72	$^{27}\text{Al}$ Multiple-Quantum Magic Angle Spinning NMR Study of the Thermal Transformation between the Microporous Aluminum Methylphosphonates $\text{AlMePO}_2$ and $\text{AlMePO}_3$ . <i>Journal of Physical Chemistry B</i> , 1999, 103, 812-817.	2.6	30

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73	Novel Tertiary Amine Oxide Surfaces That Resist Nonspecific Protein Adsorption. <i>Langmuir</i> , 2006, 22, 8144-8150.	3.5	29
74	CHHC and $^1\text{H}$ magnetization exchange: Analysis by experimental solid-state NMR and 11-spin density-matrix simulations. <i>Journal of Magnetic Resonance</i> , 2009, 199, 173-187.	2.1	29
75	Importance of Water in Maintaining Softwood Secondary Cell Wall Nanostructure. <i>Biomacromolecules</i> , 2021, 22, 4669-4680.	5.4	29
76	Coexistence of Distinct Supramolecular Assemblies in Solution and in the Solid State. <i>Chemistry - A European Journal</i> , 2017, 23, 2315-2322.	3.3	28
77	$^{14}\text{N}$ - $^1\text{H}$ Heteronuclear Multiple-Quantum Correlation Magic-Angle Spinning NMR Spectroscopy of Organic Solids. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 1187-1204.	2.8	27
78	$^{27}\text{Al}$ double rotation two-dimensional spin diffusion NMR: Complete unambiguous assignment of aluminium sites in $9\text{Al}_2\text{O}_3 \cdot 2\text{B}_2\text{O}_3$ . <i>Chemical Physics Letters</i> , 2006, 432, 152-156.	2.6	26
79	The use of a selective saturation pulse to suppress $t_1$ noise in two-dimensional $^1\text{H}$ fast magic angle spinning solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015, 260, 89-97.	2.1	25
80	Dynamic Nuclear Polarization enhanced NMR at 187 GHz/284 MHz using an Extended Interaction Klystron amplifier. <i>Journal of Magnetic Resonance</i> , 2016, 265, 77-82.	2.1	25
81	$^{14}\text{N}$ - $^1\text{H}$ HMQC solid-state NMR as a powerful tool to study amorphous formulations – an exemplary study of paclitaxel loaded polymer micelles. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6827-6836.	5.8	24
82	Insights into homonuclear decoupling from efficient numerical simulation: Techniques and examples. <i>Journal of Magnetic Resonance</i> , 2008, 192, 183-196.	2.1	23
83	<i>Ab initio</i> random structure searching of organic molecular solids: assessment and validation against experimental data. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25949-25960.	2.8	23
84	Single-crystal X-ray diffraction and NMR crystallography of a 1:1 cocrystal of dithianon and pyrimethanil. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 149-156.	0.5	22
85	Weak Intermolecular $\text{CH} \cdots \text{N}$ Hydrogen Bonding: Determination of $^{13}\text{C}$ - $^{15}\text{N}$ Hydrogen-Bond Mediated $J$ Couplings by Solid-State NMR Spectroscopy and First-Principles Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 560-572.	2.5	22
86	Revealing Intermolecular Hydrogen Bonding Structure and Dynamics in a Deep Eutectic Pharmaceutical by Magic-Angle Spinning NMR Spectroscopy. <i>Molecular Pharmaceutics</i> , 2020, 17, 622-631.	4.6	22
87	Separation of isotropic chemical and second-order quadrupolar shifts by multiple-quantum double rotation NMR. <i>Journal of Magnetic Resonance</i> , 2009, 197, 229-236.	2.1	21
88	Assessing the Detection Limit of a Minority Solid-State Form of a Pharmaceutical by $^1\text{H}$ Double-Quantum Magic-Angle Spinning Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3372-3377.	3.3	21
89	Probing Intermolecular Hydrogen Bonding in Sildenafil Hydrochloride Polymorphs by High-Resolution $^1\text{H}$ Double-Quantum Solid-State NMR Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1821-1830.	3.3	20
90	Advanced solid-state NMR methods for characterising structure and self-assembly in supramolecular chemistry, polymers and hydrogels. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 33, 86-98.	7.4	20

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91	Visualising crystal packing interactions in solid-state NMR: Concepts and applications. <i>Journal of Chemical Physics</i> , 2017, 147, 144203.	3.0	19
92	Low-load rotor-synchronised Hahn-echo pulse train (RS-HEPT) <sup>1</sup> H decoupling in solid-state NMR: factors affecting MAS spin-echo dephasing times. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, S198-S208.	1.9	18
93	Longer-range distances by spinning-angle-encoding solid-state NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4514.	2.8	17
94	Nanodiamond Promotes Surfactant-Mediated Triglyceride Removal from a Hydrophobic Surface at or below Room Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3225-3232.	8.0	17
95	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4975-4988.	2.6	17
96	Amyloid Hydrogen Bonding Polymorphism Evaluated by <sup>15</sup> N{ <sup>17</sup> O}REAPDOR Solid-State NMR and Ultra-High Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Biochemistry</i> , 2016, 55, 2065-2068.	2.5	16
97	An XRD and NMR crystallographic investigation of the structure of 2,6-lutidinium hydrogen fumarate. <i>CrystEngComm</i> , 2019, 21, 3502-3516.	2.6	16
98	Structure Effects on the Ionicity of Protic Ionic Liquids. <i>ChemPhysChem</i> , 2020, 21, 1444-1454.	2.1	16
99	In Vivo NMR of Sodium Ions in Ordered Environments. <i>Journal of Magnetic Resonance Series B</i> , 1994, 105, 199-203.	1.6	15
100	The determination of <sup>17</sup> O NMR parameters of hydroxyl oxygen: A combined deuteration and DOR approach. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, S68-S72.	1.9	15
101	Quantification of crystalline phases and measurement of phosphate chain lengths in a mixed phase sample by <sup>31</sup> P refocused INADEQUATE MAS NMR. <i>Chemical Physics Letters</i> , 2008, 455, 178-183.	2.6	15
102	Self-Assembled Oligoanilinic Nanosheets: Molecular Structure Revealed by Solid-State NMR Spectroscopy. <i>Macromolecules</i> , 2015, 48, 8838-8843.	4.8	15
103	NMR measurement of spin-3/2 transverse relaxation in an inhomogeneous B <sub>1</sub> field. <i>Chemical Physics Letters</i> , 1994, 224, 508-516.	2.6	13
104	Rotor-Encoded Heteronuclear MQ MAS NMR Spectroscopy of Half-Integer Quadrupolar and Spin I=1/2 Nuclei. <i>Journal of Magnetic Resonance</i> , 2002, 154, 101-129.	2.1	13
105	Investigating discrepancies between experimental solid-state NMR and GIPAW calculation: N C <sup>13</sup> and OH <sup>1</sup> O <sup>1</sup> H chemical shifts in pyridinium fumarates and their cocrystals. <i>Solid State Nuclear Magnetic Resonance</i> , 2020, 108, 101662.	2.3	13
106	<sup>35</sup> Cl <sup>1</sup> H Heteronuclear correlation magic-angle spinning nuclear magnetic resonance experiments for probing pharmaceutical salts. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 1089-1100.	1.9	11
107	Probing intermolecular interactions in a diethylcarbamazine citrate salt by fast MAS <sup>1</sup> H solid-state NMR spectroscopy and GIPAW calculations. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 87, 73-79.	2.3	10
108	A Tautoleptic Approach to Chiral Hydrogen-Bonded Supramolecular Tubular Polymers with Large Cavity. <i>Chemistry - A European Journal</i> , 2018, 24, 14028-14033.	3.3	10

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109	Modulation of Transmembrane Domain Interactions in Neu Receptor Tyrosine Kinase by Membrane Fluidity and Cholesterol. <i>Journal of Membrane Biology</i> , 2019, 252, 357-369.	2.1	10
110	An NMR crystallography investigation of furosemide. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 191-199.	1.9	10
111	Synergy of Solid-State NMR, Single-Crystal X-ray Diffraction, and Crystal Structure Prediction Methods: A Case Study of Teriflunomide (TFM). <i>Crystal Growth and Design</i> , 2021, 21, 3328-3343.	3.0	10
112	Inhomogeneous broadening of two-dimensional NMR lineshapes. <i>Chemical Physics Letters</i> , 1995, 237, 509-515.	2.6	9
113	The use of variable temperature $^{13}\text{C}$ solid-state MAS NMR and GIPAW DFT calculations to explore the dynamics of diethylcarbamazine citrate. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 200-210.	1.9	9
114	Magic-angle spinning NMR spectroscopy provides insight into the impact of small molecule uptake by G-quartet hydrogels. <i>Materials Advances</i> , 2020, 1, 2236-2247.	5.4	8
115	Unexpected effects of third-order cross-terms in heteronuclear spin systems under simultaneous radio-frequency irradiation and magic-angle spinning NMR. <i>Journal of Chemical Physics</i> , 2012, 136, 084503.	3.0	7
116	Rationalising Heteronuclear Decoupling in Refocussing Applications of Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 394-405.	2.1	7
117	A curious case of dynamic disorder in pyrrolidine rings elucidated by NMR crystallography. <i>Chemical Communications</i> , 2020, 56, 14039-14042.	4.1	7
118	Taming the dynamics in a pharmaceutical by cocrystallization: investigating the impact of the cofomer by solid-state NMR. <i>CrystEngComm</i> , 2021, 23, 6859-6870.	2.6	7
119	Extraction of Homogeneous $^{23}\text{Na}$ NMR Linewidths from Two-Dimensional Jeener-Broekaert Spectra*. <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 291-300.	1.6	6
120	Coexistence of Distinct Supramolecular Assemblies in Solution and in the Solid State. <i>Chemistry - A European Journal</i> , 2017, 23, 2235-2235.	3.3	6
121	A combined NMR crystallographic and PXRD investigation of the structure-directing role of water molecules in orotic acid and its lithium and magnesium salts. <i>CrystEngComm</i> , 2017, 19, 224-236.	2.6	6
122	Simulating spin dynamics in organic solids under heteronuclear decoupling. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 70, 28-37.	2.3	5
123	Conformations in Solution and in Solid-State Polymorphs: Correlating Experimental and Calculated Nuclear Magnetic Resonance Chemical Shifts for Tolfenamic Acid. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8959-8977.	2.5	5
124	A toolbox for improving the workflow of NMR crystallography. <i>Solid State Nuclear Magnetic Resonance</i> , 2021, 116, 101761.	2.3	5
125	Combining heteronuclear correlation NMR with spin-diffusion to detect relayed Cl-H and Na-H proximities in molecular solids. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, , 101808.	2.3	5
126	5-Amino-2-methylpyridinium hydrogen fumarate: An XRD and NMR crystallography analysis. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 1026-1035.	1.9	4



#	ARTICLE	IF	CITATIONS
127	Erratum to "23Na NMR methods for selective observation of sodium ions in ordered environments", Progress in Nuclear Magnetic Resonance Spectroscopy, 1997, 31, 287.	7.5	3
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129	Strong-coupling induced damping of spin-echo modulations in magic-angle-spinning NMR: Implications for J coupling measurements in disordered solids. Journal of Magnetic Resonance, 2017, 283, 22-32.	2.1	3
130	Simultaneous MQMAS NMR Experiments for Two Half-Integer Quadrupolar Nuclei. Journal of Magnetic Resonance, 2020, 320, 106831.	2.1	2
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133	Reply to Comment on "27Al Multiple-Quantum Magic Angle Spinning NMR Study of the Thermal Transformation between the Microporous Aluminum Methylphosphonates AlMePO-12 and AlMePO-1±", Journal of Physical Chemistry B, 2000, 104, 9767-9767.	2.6	0
134	Increasing the accuracy of structural investigations by MAS spin-echo solid-state NMR experiments. Journal of Physics: Conference Series, 2009, 182, 012025.	0.4	0
135	Frontispiece: A Tautoleptic Approach to Chiral Hydrogen-Bonded Supramolecular Tubular Polymers with Large Cavity. Chemistry - A European Journal, 2018, 24, .	3.3	0
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