Steven P Brown

List of Publications by Year in descending order

137 papers	8,248 citations	31976 53 h-index	51608 86 g-index
150 all docs	150 docs citations	150 times ranked	6122 citing authors

#	Article	IF	Citations
1	Combining heteronuclear correlation NMR with spin-diffusion to detect relayed Clâ€“Hâ€“H and Nâ€“Hâ€“H proximities in molecular solids. Solid State Nuclear Magnetic Resonance, 2022, , 101808.	2.3	5
2	Taming the dynamics in a pharmaceutical by cocrystallization: investigating the impact of the coformer by solid-state NMR. CrystEngComm, 2021, 23, 6859-6870.	2.6	7
3	Synergy of Solid-State NMR, Single-Crystal X-ray Diffraction, and Crystal Structure Prediction Methods: A Case Study of Teriflunomide (TFM). Crystal Growth and Design, 2021, 21, 3328-3343.	3.0	10
4	³⁵Clâ€“¹H Heteronuclear correlation magicâ€angle spinning nuclear magnetic resonance experiments for probing pharmaceutical salts. Magnetic Resonance in Chemistry, 2021, 59, 1089-1100.	1.9	11
5	A toolbox for improving the workflow of NMR crystallography. Solid State Nuclear Magnetic Resonance, 2021, 116, 101761.	2.3	5
6	Importance of Water in Maintaining Softwood Secondary Cell Wall Nanostructure. Biomacromolecules, 2021, 22, 4669-4680.	5.4	29
7	Weak Intermolecular CHÂ·Â·Â·N Hydrogen Bonding: Determination of ¹³CHâ€“¹⁵N Hydrogen-Bond Mediated J Couplings by Solid-State NMR Spectroscopy and First-Principles Calculations. Journal of Physical Chemistry A, 2020, 124, 560-572.	2.5	22
8	Revealing Intermolecular Hydrogen Bonding Structure and Dynamics in a Deep Eutectic Pharmaceutical by Magic-Angle Spinning NMR Spectroscopy. Molecular Pharmaceutics, 2020, 17, 622-631.	4.6	22
9	Isolated zirconium centres captured from aqueous solution: the structure of zirconium mandelate revealed from NMR crystallography. Chemical Communications, 2020, 56, 10159-10162.	4.1	0
10	A curious case of dynamic disorder in pyrrolidine rings elucidated by NMR crystallography. Chemical Communications, 2020, 56, 14039-14042.	4.1	7
11	Conformations in Solution and in Solid-State Polymorphs: Correlating Experimental and Calculated Nuclear Magnetic Resonance Chemical Shifts for Tolfenamic Acid. Journal of Physical Chemistry A, 2020, 124, 8959-8977.	2.5	5
12	Magic-angle spinning NMR spectroscopy provides insight into the impact of small molecule uptake by G-quartet hydrogels. Materials Advances, 2020, 1, 2236-2247.	5.4	8
13	Simultaneous MQMAS NMR Experiments for Two Half-Integer Quadrupolar Nuclei. Journal of Magnetic Resonance, 2020, 320, 106831.	2.1	2
14	¹⁴Nâ€“¹H HMQC solid-state NMR as a powerful tool to study amorphous formulations â€“ an exemplary study of paclitaxel loaded polymer micelles. Journal of Materials Chemistry B, 2020, 8, 6827-6836.	5.8	24
15	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. Journal of Physical Chemistry B, 2020, 124, 4975-4988.	2.6	17
16	5â€aminoâ€2â€methylpyridinium hydrogen fumarate: An XRD and NMR crystallography analysis. Magnetic Resonance in Chemistry, 2020, 58, 1026-1035.	1.9	4
17	Investigating discrepancies between experimental solid-state NMR and GIPAW calculation: N Câ€“N 13C and OHâ‹¯O 1H chemical shifts in pyridinium fumarates and their cocrystals. Solid State Nuclear Magnetic Resonance, 2020, 108, 101662.	2.3	13
18	Structure Effects on the Ionicity of Protic Ionic Liquids. ChemPhysChem, 2020, 21, 1444-1454.	2.1	16

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19	The use of variable temperature <scp>¹³C</scp> solidâ€state <scp>MAS NMR</scp> and <scp>GIPAW DFT</scp> calculations to explore the dynamics of diethylcarbamazine citrate. Magnetic Resonance in Chemistry, 2019, 57, 200-210.	1.9	9
20	Identifying the components of the solidâ€“electrolyte interphase in Li-ion batteries. Nature Chemistry, 2019, 11, 789-796.	13.6	331
21	Molecular architecture of softwood revealed by solid-state NMR. Nature Communications, 2019, 10, 4978.	12.8	157
22	Modulation of Transmembrane Domain Interactions in Neu Receptor Tyrosine Kinase by Membrane Fluidity and Cholesterol. Journal of Membrane Biology, 2019, 252, 357-369.	2.1	10
23	An XRD and NMR crystallographic investigation of the structure of 2,6-lutidinium hydrogen fumarate. CrystEngComm, 2019, 21, 3502-3516.	2.6	16
24	An NMR crystallography investigation of furosemide. Magnetic Resonance in Chemistry, 2019, 57, 191-199.	1.9	10
25	Advanced solid-state NMR methods for characterising structure and self-assembly in supramolecular chemistry, polymers and hydrogels. Current Opinion in Colloid and Interface Science, 2018, 33, 86-98.	7.4	20
26	Improving Confidence in Crystal Structure Solutions Using NMR Crystallography: The Case of Î²-Piroxicam. Crystal Growth and Design, 2018, 18, 3339-3351.	3.0	34
27	Frontispiece: A Tautoleptic Approach to Chiral Hydrogenâ€Bonded Supramolecular Tubular Polymers with Large Cavity. Chemistry - A European Journal, 2018, 24, .	3.3	0
28	A Tautoleptic Approach to Chiral Hydrogenâ€Bonded Supramolecular Tubular Polymers with Large Cavity. Chemistry - A European Journal, 2018, 24, 14028-14033.	3.3	10
29	Chapter 2. High-resolution ¹H 2D Magic-angle Spinning Techniques for Organic Solids. New Developments in NMR, 2018, , 39-74.	0.1	2
30	Rationalising Heteronuclear Decoupling in Refocussing Applications of Solidâ€State NMR Spectroscopy. ChemPhysChem, 2017, 18, 394-405.	2.1	7
31	Probing intermolecular interactions in a diethylcarbamazine citrate salt by fast MAS 1 H solid-state NMR spectroscopy and GIPAW calculations. Solid State Nuclear Magnetic Resonance, 2017, 87, 73-79.	2.3	10
32	Single-crystal X-ray diffraction and NMR crystallography of a 1:1 cocrystal of dithianon and pyrimethanil. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 149-156.	0.5	22
33	Coâ€existence of Distinct Supramolecular Assemblies in Solution and in the Solid State. Chemistry - A European Journal, 2017, 23, 2315-2322.	3.3	28
34	Coexistence of Distinct Supramolecular Assemblies in Solution and in the Solid State. Chemistry - A European Journal, 2017, 23, 2235-2235.	3.3	6
35	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 2â€²-deoxyguanosine structural motif. Chemical Science, 2017, 8, 3971-3979.	7.4	62
36	An even pattern of xylan substitution is critical for interaction with cellulose in plant cell walls. Nature Plants, 2017, 3, 859-865.	9.3	204

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37	Ab initio random structure searching of organic molecular solids: assessment and validation against experimental data. Physical Chemistry Chemical Physics, 2017, 19, 25949-25960.	2.8	23
38	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
39	Assessing the Detection Limit of a Minority Solid-State Form of a Pharmaceutical by 1H Double-Quantum Magic-Angle Spinning Nuclear Magnetic Resonance Spectroscopy. Journal of Pharmaceutical Sciences, 2017, 106, 3372-3377.	3.3	21
40	A combined NMR crystallographic and PXRD investigation of the structure-directing role of water molecules in orotic acid and its lithium and magnesium salts. CrystEngComm, 2017, 19, 224-236.	2.6	6
41	Visualising crystal packing interactions in solid-state NMR: Concepts and applications. Journal of Chemical Physics, 2017, 147, 144203.	3.0	19
42	Improving the sensitivity of J coupling measurements in solids with application to disordered materials. AIP Advances, 2016, 6, 055008.	1.3	3
43	Folding of xylan onto cellulose fibrils in plant cell walls revealed by solid-state NMR. Nature Communications, 2016, 7, 13902.	12.8	287
44	Amyloid Hydrogen Bonding Polymorphism Evaluated by 15N{17O}REAPDOR Solid-State NMR and Ultra-High Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Biochemistry, 2016, 55, 2065-2068.	2.5	16
45	Dynamic Nuclear Polarization enhanced NMR at 187 GHz/284 MHz using an Extended Interaction Klystron amplifier. Journal of Magnetic Resonance, 2016, 265, 77-82.	2.1	25
46	Visualization and processing of computed solid-state NMR parameters: MagresView and MagresPython. Solid State Nuclear Magnetic Resonance, 2016, 78, 64-70.	2.3	57
47	Golgi-localized STELLO proteins regulate the assembly and trafficking of cellulose synthase complexes in Arabidopsis. Nature Communications, 2016, 7, 11656.	12.8	110
48	Fast Magic-Angle Spinning Three-Dimensional NMR Experiment for Simultaneously Probing Hâ€”H and Nâ€”H Proximities in Solids. Analytical Chemistry, 2016, 88, 11412-11419.	6.5	38
49	Combining the Advantages of Powder X-ray Diffraction and NMR Crystallography in Structure Determination of the Pharmaceutical Material Cimetidine Hydrochloride. Crystal Growth and Design, 2016, 16, 1798-1804.	3.0	55
50	Interplay of Noncovalent Interactions in Ribbon-like Guanosine Self-Assembly: An NMR Crystallography Study. Crystal Growth and Design, 2015, 15, 5945-5954.	3.0	40
51	Self-Assembled Oligoanilinic Nanosheets: Molecular Structure Revealed by Solid-State NMR Spectroscopy. Macromolecules, 2015, 48, 8838-8843.	4.8	15
52	The use of a selective saturation pulse to suppress t 1 noise in two-dimensional 1 H fast magic angle spinning solid-state NMR spectroscopy. Journal of Magnetic Resonance, 2015, 260, 89-97.	2.1	25
53	An NMR crystallography study of the hemihydrate of 2â€², 3â€²-O-isopropylidineguanosine. Solid State Nuclear Magnetic Resonance, 2015, 65, 41-48.	2.3	48
54	G4-QuartetÂ·M⁺ Borate Hydrogels. Journal of the American Chemical Society, 2015, 137, 5819-5827.	13.7	140

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55	Probing the Molecular Architecture of Arabidopsis thaliana Secondary Cell Walls Using Two- and Three-Dimensional ¹³C Solid State Nuclear Magnetic Resonance Spectroscopy. Biochemistry, 2015, 54, 2335-2345.	2.5	69
56	Simulating spin dynamics in organic solids under heteronuclear decoupling. Solid State Nuclear Magnetic Resonance, 2015, 70, 28-37.	2.3	5
57	A G₄Â·K⁺ Hydrogel Stabilized by an Anion. Journal of the American Chemical Society, 2014, 136, 12596-12599.	13.7	163
58	An NMR crystallography DFT-D approach to analyse the role of intermolecular hydrogen bonding and Ï€â€“Ï€ interactions in driving cocrystallisation of indomethacin and nicotinamide. CrystEngComm, 2013, 15, 8797.	2.6	70
59	Strong Intermolecular Ring Current Influence on ¹H Chemical Shifts in Two Crystalline Forms of Naproxen: a Combined Solid-State NMR and DFT Study. Journal of Physical Chemistry C, 2013, 117, 17731-17740.	3.1	35
60	Probing Hydrogen Bonding in Cocrystals and Amorphous Dispersions Using ¹⁴Nâ€“¹H HMQC Solid-State NMR. Molecular Pharmaceutics, 2013, 10, 999-1007.	4.6	119
61	Exploiting the Synergy of Powder X-ray Diffraction and Solid-State NMR Spectroscopy in Structure Determination of Organic Molecular Solids. Journal of Physical Chemistry C, 2013, 117, 12258-12265.	3.1	81
62	Hydrogen Bonding in Alzheimerâ€™s Amyloidâ€Î² Fibrils Probed by ¹⁵N{¹⁷O} REAPDOR Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 10289-10292.	13.8	41
63	Unexpected effects of third-order cross-terms in heteronuclear spin systems under simultaneous radio-frequency irradiation and magic-angle spinning NMR. Journal of Chemical Physics, 2012, 136, 084503.	3.0	7
64	Probing intermolecular interactions and nitrogen protonation in pharmaceuticals by novel 15N-edited and 2D 14N-1H solid-state NMR. CrystEngComm, 2012, 14, 2654.	2.6	85
65	¹⁴Nâ€“¹H Heteronuclear Multiple-Quantum Correlation Magic-Angle Spinning NMR Spectroscopy of Organic Solids. Zeitschrift Fur Physikalische Chemie, 2012, 226, 1187-1204.	2.8	27
66	Identifying the intermolecular hydrogen-bonding supramolecular synthons in an indomethacinâ€“nicotinamide cocrystal by solid-state NMR. Chemical Communications, 2012, 48, 10844.	4.1	72
67	Probing Intermolecular Hydrogen Bonding in Sibenadet Hydrochloride Polymorphs by High-Resolution 1H Double-Quantum Solid-State NMR Spectroscopy. Journal of Pharmaceutical Sciences, 2012, 101, 1821-1830.	3.3	20
68	Nanodiamond Promotes Surfactant-Mediated Triglyceride Removal from a Hydrophobic Surface at or below Room Temperature. ACS Applied Materials & Interfaces, 2012, 4, 3225-3232.	8.0	17
69	Applications of high-resolution 1H solid-state NMR. Solid State Nuclear Magnetic Resonance, 2012, 41, 1-27.	2.3	288
70	Longer-range distances by spinning-angle-encoding solid-state NMR spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 4514.	2.8	17
71	Towards homonuclear J solid-state NMR correlation experiments for half-integer quadrupolar nuclei: experimental and simulated 11B MAS spin-echo dephasing and calculated 2JBB coupling constants for lithium diborate. Physical Chemistry Chemical Physics, 2011, 13, 5778.	2.8	34
72	Identifying Guanosine Self Assembly at Natural Isotopic Abundance by High-Resolution ¹H and ¹³C Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2011, 133, 19777-19795.	13.7	72

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73	Probing Intermolecular Crystal Packing in Î³-Indomethacin by High-Resolution1H Solid-State NMR Spectroscopy. Crystal Growth and Design, 2011, 11, 3463-3471.	3.0	67
74	Role of Aniline Oligomeric Nanosheets in the Formation of Polyaniline Nanotubes. Macromolecules, 2010, 43, 662-670.	4.8	155
75	Complete 1H resonance assignment of Î²-maltose from 1Hâ€“1H DQ-SQ CRAMPS and 1H (DQ-DUMBO)â€“13C SQ refocused INEPT 2D solid-state NMR spectra and first principles GIPAW calculations. Physical Chemistry Chemical Physics, 2010, 12, 6970.	2.8	83
76	NMR Crystallography of Campho[2,3-c]pyrazole (Zâ€² = 6): Combining High-Resolution ¹H-¹³C Solid-State MAS NMR Spectroscopy and GIPAW Chemical-Shift Calculations. Journal of Physical Chemistry A, 2010, 114, 10435-10442.	2.5	127
77	Recent Advances in Solidâ€State MAS NMR Methodology for Probing Structure and Dynamics in Polymeric and Supramolecular Systems. Macromolecular Rapid Communications, 2009, 30, 688-716.	3.9	75
78	Separation of isotropic chemical and second-order quadrupolar shifts by multiple-quantum double rotation NMR. Journal of Magnetic Resonance, 2009, 197, 229-236.	2.1	21
79	CHHC and 1Hâ€“1H magnetization exchange: Analysis by experimental solid-state NMR and 11-spin density-matrix simulations. Journal of Magnetic Resonance, 2009, 199, 173-187.	2.1	29
80	Determination of the bond-angle distribution in vitreous B2O3 by 11B double rotation (DOR) NMR spectroscopy. Journal of Solid State Chemistry, 2009, 182, 2402-2408.	2.9	41
81	³¹P MAS Refocused INADEQUATE Spinâ^'Echo (REINE) NMR Spectroscopy: Revealing J Coupling and Chemical Shift Two-Dimensional Correlations in Disordered Solids. Journal of the American Chemical Society, 2009, 131, 11861-11874.	13.7	51
82	Probing Heteronuclear ¹⁵Nâ^'¹⁷O and ¹³Câ^'¹⁷O Connectivities and Proximities by Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 1820-1834.	13.7	76
83	Determining relative protonâ€“proton proximities from the build-up of two-dimensional correlation peaks in 1H double-quantum MAS NMR: insight from multi-spin density-matrix simulations. Physical Chemistry Chemical Physics, 2009, 11, 6941.	2.8	66
84	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
85	Insights into homonuclear decoupling from efficient numerical simulation: Techniques and examples. Journal of Magnetic Resonance, 2008, 192, 183-196.	2.1	23
86	Quantification of crystalline phases and measurement of phosphate chain lengths in a mixed phase sample by 31P refocused INADEQUATE MAS NMR. Chemical Physics Letters, 2008, 455, 178-183.	2.6	15
87	Estimation of internuclear couplings in the solid-state NMR of multiple-spin systems. Selective spin echoes and off-magic-angle sample spinning. Chemical Physics Letters, 2008, 456, 116-121.	2.6	33
88	Quantifying Weak Hydrogen Bonding in Uracil and 4-Cyano-4â€˜-ethynylbiphenyl:â€‰ A Combined Computational and Experimental Investigation of NMR Chemical Shifts in the Solid State. Journal of the American Chemical Society, 2008, 130, 945-954.	13.7	112
89	Density Functional Theory Calculations of Hydrogen-Bond-Mediated NMR J Coupling in the Solid State. Journal of the American Chemical Society, 2008, 130, 12663-12670.	13.7	63
90	Residual Dipolar Couplings by Off-Magic-Angle Spinning in Solid-State Nuclear Magnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2007, 129, 10972-10973.	13.7	41

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91	Quantifying hydrogen-bonding strength: the measurement of 2hJNN couplings in self-assembled guanosines by solid-state 15N spin-echo MAS NMR. Physical Chemistry Chemical Physics, 2007, 9, 3416.	2.8	60
92	Structure of Molecular Tweezer Complexes in the Solid State:Â NMR Experiments, X-ray Investigations, and Quantum Chemical Calculations. Journal of the American Chemical Society, 2007, 129, 1293-1303.	13.7	53
93	Distinguishing Anhydrous and Hydrous Forms of an Active Pharmaceutical Ingredient in a Tablet Formulation Using Solidâ€€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2007, 46, 8036-8038.	13.8	65
94	The determination of17O NMR parameters of hydroxyl oxygen: A combined deuteration and DOR approach. Magnetic Resonance in Chemistry, 2007, 45, S68-S72.	1.9	15
95	Low-load rotor-synchronised Hahn-echo pulse train (RS-HEPT)1H decoupling in solid-state NMR: factors affecting MAS spin-echo dephasing times. Magnetic Resonance in Chemistry, 2007, 45, S198-S208.	1.9	18
96	Probing protonâ€“proton proximities in the solid state. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 50, 199-251.	7.5	193
97	The refocused INADEQUATE MAS NMR experiment in multiple spin-systems: Interpreting observed correlation peaks and optimising lineshapes. Journal of Magnetic Resonance, 2007, 188, 24-34.	2.1	76
98	Determination of NMR interaction parameters from double rotation NMR. Journal of Magnetic Resonance, 2007, 188, 246-259.	2.1	31
99	Accurate Measurements of13Câ^'13CJ-Couplings in the Rhodopsin Chromophore by Double-Quantum Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 3878-3879.	13.7	38
100	Novel Tertiary Amine Oxide Surfaces That Resist Nonspecific Protein Adsorption. Langmuir, 2006, 22, 8144-8150.	3.5	29
101	27Al double rotation two-dimensional spin diffusion NMR: Complete unambiguous assignment of aluminium sites in 9Al2O3Â·2B2O3. Chemical Physics Letters, 2006, 432, 152-156.	2.6	26
102	Quantification of homonuclear dipolar coupling networks from magic-angle spinning1H NMR. Molecular Physics, 2006, 104, 293-304.	1.7	51
103	Origins of linewidth in H1 magic-angle spinning NMR. Journal of Chemical Physics, 2006, 125, 144508.	3.0	121
104	An Investigation of Weak CHÂ·Â·Â·O Hydrogen Bonds in Maltose Anomers by a Combination of Calculation and Experimental Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 10216-10220.	13.7	185
105	Through-space contributions to two-dimensional double-quantum J correlation NMR spectra of magic-angle-spinning solids. Journal of Chemical Physics, 2005, 122, 194313.	3.0	82
106	Identification by15N Refocused INADEQUATE MAS NMR of Intermolecular Hydrogen Bonding that Directs the Self-Assembly of Modified DNA Bases. Journal of the American Chemical Society, 2005, 127, 16018-16019.	13.7	47
107	Probing Protonâ^'Proton Proximities in the Solid State:Â High-Resolution Two-Dimensional1Hâ^'1H Double-Quantum CRAMPS NMR Spectroscopy. Journal of the American Chemical Society, 2004, 126, 13230-13231.	13.7	118
108	Principles of Spin-Echo Modulation byJ-Couplings in Magic-Angle-Spinning Solid-State NMR. ChemPhysChem, 2004, 5, 815-833.	2.1	84

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109	The 2D MAS NMR spin-echo experiment: the determination of 13Câ€“13C J couplings in a solid-state cellulose sample. Journal of Magnetic Resonance, 2004, 171, 43-47.	2.1	35
110	High-Resolution NMR Correlation Spectra of Disordered Solids. Journal of the American Chemical Society, 2003, 125, 4376-4380.	13.7	110
111	Supramolecular Assembly of Dendritic Polymers Elucidated by1H and13C Solid-State MAS NMR Spectroscopy. Journal of the American Chemical Society, 2003, 125, 13284-13297.	13.7	106
112	The Direct Detection of a Hydrogen Bond in the Solid State by NMR through the Observation of a Hydrogen-Bond Mediated15Nâ^15NJCoupling. Journal of the American Chemical Society, 2002, 124, 1152-1153.	13.7	77
113	Determining hydrogen-bond strengths in the solid state by NMR: the quantitative measurement of homonuclear J couplings. Chemical Communications, 2002, , 1852-1853.	4.1	107
114	Rotor-Encoded Heteronuclear MQ MAS NMR Spectroscopy of Half-Integer Quadrupolar and Spin I=1/2 Nuclei. Journal of Magnetic Resonance, 2002, 154, 101-129.	2.1	13
115	A Study of a Molecular Tweezer Hostâ€“Guest System by a Combination of Quantum-Chemical Calculations and Solid-State NMR Experiments. Solid State Nuclear Magnetic Resonance, 2002, 22, 128-153.	2.3	55
116	Advanced Solid-State NMR Methods for the Elucidation of Structure and Dynamics of Molecular, Macromolecular, and Supramolecular Systems. Chemical Reviews, 2001, 101, 4125-4156.	47.7	482
117	An Investigation of the Hydrogen-Bonding Structure in Bilirubin by 1H Double-Quantum Magic-Angle Spinning Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2001, 123, 4275-4285.	13.7	78
118	Investigation of an Nï¿½ï¿½H hydrogen bond in a solid benzoxazine dimer by1H-15N NMR correlation techniques under fast magic-angle spinning. Magnetic Resonance in Chemistry, 2001, 39, S5-S17.	1.9	51
119	Structure and Dynamics of the Host-Guest Complex of a Molecular Tweezer: Coupling Synthesis, Solid-State NMR, and Quantum-Chemical Calculations. Angewandte Chemie - International Edition, 2001, 40, 717-720.	13.8	96
120	Structure Assignment in the Solid State by the Coupling of Quantum Chemical Calculations with NMR Experiments:Â A Columnar Hexabenzocoronene Derivative. Journal of the American Chemical Society, 2001, 123, 2597-2606.	13.7	145
121	Structure and Dynamics of the Hostâ€“Guest Complex of a Molecular Tweezer: Coupling Synthesis, Solid-State NMR, and Quantum-Chemical Calculations. Angewandte Chemie - International Edition, 2001, 40, 717-720.	13.8	1
122	A 1H double-quantum magic-angle spinning solid-state NMR investigation of packing and dynamics in triphenylene and hexabenzocoronene derivatives. Journal of Molecular Structure, 2000, 521, 179-195.	3.6	49
123	The competing effects of Ï€â€“Ï€ packing and hydrogen bonding in a hexabenzocoronene carboxylic acid derivative: A 1H solid-state MAS NMR investigation. Physical Chemistry Chemical Physics, 2000, 2, 1735-1745.	2.8	62
124	Reply to Comment on â€œ27Al Multiple-Quantum Magic Angle Spinning NMR Study of the Thermal Transformation between the Microporous Aluminum Methylphosphonates AlMePO-Î² and AlMePO-Î±â€• Journal of Physical Chemistry B, 2000, 104, 9767-9767.	2.6	0
125	An Investigation of Ï€â^Ï€ Packing in a Columnar Hexabenzocoronene by Fast Magic-Angle Spinning and Double-Quantum1H Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 1999, 121, 6712-6718.	13.7	195
126	27Al Multiple-Quantum Magic Angle Spinning NMR Study of the Thermal Transformation between the Microporous Aluminum Methylphosphonates AlMePO-Î² and AlMePO-Î±. Journal of Physical Chemistry B, 1999, 103, 812-817.	2.6	30

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127	Multiple-quantum cross-polarization in MAS NMR of quadrupolar nuclei. Chemical Physics Letters, 1998, 288, 509-517.	2.6	52
128	An Investigation of Hydrogen Bonding in Benzoxazine Dimers by Fast Magic-Angle Spinning and Double-Quantum1H NMR Spectroscopy. Journal of the American Chemical Society, 1998, 120, 11784-11795.	13.7	197
129	Spinning-sideband patterns in multiple-quantum magic-angle spinning NMR spectroscopy. Molecular Physics, 1998, 95, 1209-1227.	1.7	72
130	Spinning-sideband patterns in multiple-quantum magic-angle spinning NMR spectroscopy. Molecular Physics, 1998, 95, 1209-1227.	1.7	0
131	23Na NMR methods for selective observation of sodium ions in ordered environments. Progress in Nuclear Magnetic Resonance Spectroscopy, 1997, 30, 157-181.	7.5	67
132	Erratum to â€œ23Na NMR methods for selective observation of sodium ions in ordered environmentsâ€• Progress in Nuclear Magnetic Resonance Spectroscopy, 1997, 31, 287.	7.5	3
133	Two-Dimensional Multiple-Quantum MAS NMR of Quadrupolar Nuclei: A Comparison of Methods. Journal of Magnetic Resonance, 1997, 128, 42-61.	2.1	182
134	Extraction of Homogeneous23Na NMR Linewidths from Two-Dimensional Jeenerâ€“Broekaert Spectra*. Journal of Magnetic Resonance Series B, 1995, 109, 291-300.	1.6	6
135	Inhomogeneous broadening of two-dimensional NMR lineshapes. Chemical Physics Letters, 1995, 237, 509-515.	2.6	9
136	In Vivo NMR of Sodium Ions in Ordered Environments. Journal of Magnetic Resonance Series B, 1994, 105, 199-203.	1.6	15
137	NMR measurement of spin-3/2 transverse relaxation in an inhomogeneous B1 field. Chemical Physics Letters, 1994, 224, 508-516.	2.6	13