David L Bryce

List of Publications by Year
in descending order

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188	6,189	66343	106344
papers	citations	42 h-index	65 g-index

202	202	202	4879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stoichiomorphic halogen-bonded cocrystals: a case study of 1,4-diiodotetrafluorobenzene and 3-nitropyridine. Canadian Journal of Chemistry, 2022, 100, 245-251.	1.1	4
2	Predictability of Chalcogen-Bond-Driven Crystal Engineering: An X-ray Diffraction and Selenium-77 Solid-State NMR Investigation of Benzylic Selenocyanate Cocrystals. ACS Organic & Inorganic Au, 2022, 2, 252-260.	4.0	5
3	NMR Response of the Tetrel Bond Donor. Journal of Physical Chemistry C, 2022, 126, 851-865.	3.1	10
4	Assessment of halogen-bond induced cocrystallization of 1,3,5-trihalo-2,4,6-trifluorobenzenes with 2,3,5,6-Tetramethylpyrazine. Results in Chemistry, 2022, 4, 100336.	2.0	1
5	To what extent do bond length and angle govern the 13C and 1H NMR response to weak CHâ‹¯O hydrogen bonds? A case study of caffeine and theophylline cocrystals. Solid State Nuclear Magnetic Resonance, 2022, 119, 101795.	2.3	2
6	Solid-state multinuclear magnetic resonance and X-ray crystallographic investigation of the phosphorus...iodine halogen bond in a bis(dicyclohexylphenylphosphine)(1,6-diiodoperfluorohexane) cocrystal. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 557-563.	1.1	1
7	Solid-state NMR of quadrupolar nuclei: Selected new methods and applications. Annual Reports on NMR Spectroscopy, 2022, , .	1.5	1
8	Fieldâ€stepped ultraâ€wideline NMR at up to 36ÂT: On the inequivalence between field and frequency stepping. Magnetic Resonance in Chemistry, 2021, 59, 951-960.	1.9	12
9	Recent advances in NMR crystallography and polymorphism. Annual Reports on NMR Spectroscopy, 2021, 102, 1-80.	1.5	11
10	One Ball Tips the Balance toward Three-Component Borromean Ring Systems. CheM, 2021, 7, 9-11.	11.7	0
11	Experimental ¹³C and ¹H Solid-State NMR Response in Weakly Tetrel-Bonded Methyl Groups. Journal of Physical Chemistry C, 2021, 125, 2111-2123.	3.1	10
12	Effects of Secondary Anions on Proton Conduction in a Flexible Cationic Phosphonate Metalâ€“Organic Framework. Chemistry of Materials, 2020, 32, 679-687.	6.7	36
13	4,4â€²-Dipyridyl DioxideÂ·SbF₃ Cocrystal: Pnictogen Bond Prevails over Halogen and Hydrogen Bonds in Driving Self-Assembly. Crystal Growth and Design, 2020, 20, 916-922.	3.0	25
14	Double Chalcogen Bonds: Crystal Engineering Stratagems via Diffraction and Multinuclear Solidâ€State Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2020, 26, 3275-3286.	3.3	61
15	Recent advances in chlorine, bromine, and iodine solid-state NMR spectroscopy. Annual Reports on NMR Spectroscopy, 2020, 100, 97-152.	1.5	6
16	Frontispiece: Double Chalcogen Bonds: Crystal Engineering Stratagems via Diffraction and Multinuclear Solidâ€State Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2020, 26, .	3.3	0
17	Chalcogen-Bonded Cocrystals of Substituted Pyridine N-Oxides and Chalcogenodiazoles: An X-ray Diffraction and Solid-State NMR Investigation. Crystal Growth and Design, 2020, 20, 7910-7920.	3.0	23
18	Short and Linear Intermolecular Tetrel Bonds to Tin. Cocrystal Engineering with Triphenyltin Chloride. Crystal Growth and Design, 2020, 20, 2027-2034.	3.0	21

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19	Solid-state NMR spectroscopy for the analysis of element-based non-covalent interactions. Coordination Chemistry Reviews, 2020, 411, 213237.	18.8	32
20	Direct investigation of chalcogen bonds by multinuclear solid-state magnetic resonance and vibrational spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 3817-3824.	2.8	33
21	Editorial: Industrial applications of solid-state NMR. Solid State Nuclear Magnetic Resonance, 2020, 107, 101667.	2.3	0
22	Ï€â€Complexes of Diborynes with Main Group Atoms. Chemistry - an Asian Journal, 2020, 15, 1553-1557.	3.3	5
23	On the importance of accurate nuclear quadrupole moments in <scp>NMR</scp> crystallography. Magnetic Resonance in Chemistry, 2019, 57, 265-267.	1.9	6
24	Rapid Identification of Halogen Bonds in Coâ€Crystalline Powders via 127 I Nuclear Quadrupole Resonance Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 13479-13485.	13.8	17
25	SCFit: Software for single-crystal NMR analysis. Free vs constrained fitting. Solid State Nuclear Magnetic Resonance, 2019, 102, 53-62.	2.3	6
26	Rapid Identification of Halogen Bonds in Coâ€Crystalline Powders via 127 I Nuclear Quadrupole Resonance Spectroscopy. Angewandte Chemie, 2019, 131, 13613-13619.	2.0	3
27	Mechanochemical Preparations of Anion Coordinated Architectures Based on 3â€Iodoethynylpyridine and 3â€Iodoethynylbenzoic Acid. ChemistryOpen, 2019, 8, 1328-1336.	1.9	8
28	Single-Crystal NMR Characterization of Halogen Bonds. Journal of Physical Chemistry A, 2019, 123, 6194-6209.	2.5	17
29	Editorial: Special Issue on Emerging Frontiers in Dynamic Nuclear Polarization NMR. Solid State Nuclear Magnetic Resonance, 2019, 102, 1.	2.3	0
30	New frontiers for solid-state NMR across the periodic table: a snapshot of modern techniques and instrumentation. Dalton Transactions, 2019, 48, 8014-8020.	3.3	20
31	Halogen bonding as a supramolecular dynamics catalyst. Nature Communications, 2019, 10, 916.	12.8	72
32	Mechanochemical Preparations of Anion Coordinated Architectures Based on 3â€Iodoethynylpyridine and 3â€Iodoethynylbenzoic Acid. ChemistryOpen, 2019, 8, 1327-1327.	1.9	0
33	Definition of the chalcogen bond (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2019, 91, 1889-1892.	1.9	322
34	^{121/123}Sb Nuclear Quadrupole Resonance Spectroscopy: Characterization of Non-Covalent Pnictogen Bonds and NQR Crystallography. Journal of Physical Chemistry A, 2019, 123, 1030-1043.	2.5	27
35	Halogen-bond driven self-assembly of triangular macrocycles. New Journal of Chemistry, 2018, 42, 10467-10471.	2.8	22
36	Linear dicoordinate beryllium: a 9Be solid-state NMR study of a discrete zero-valent s-block beryllium complex. Canadian Journal of Chemistry, 2018, 96, 646-652.	1.1	5

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37	^{79/81}Br nuclear quadrupole resonance spectroscopic characterization of halogen bonds in supramolecular assemblies. Chemical Science, 2018, 9, 4555-4561.	7.4	22
38	Mechanochemistry and cocrystallization of 3-iodoethynylbenzoic acid with nitrogen-containing heterocycles: concurrent halogen and hydrogen bonding. New Journal of Chemistry, 2018, 42, 10493-10501.	2.8	22
39	Recent Advances in 11B Solid-State Nuclear Magnetic Resonance Spectroscopy of Crystalline Solids. Annual Reports on NMR Spectroscopy, 2018, , 213-279.	1.5	16
40	Structural Insights from ⁵⁹Co Solidâ€State NMR Experiments on Organocobalt(I) Catalysts. ChemPhysChem, 2018, 19, 227-236.	2.1	8
41	Editorial - A dynamic journal. Solid State Nuclear Magnetic Resonance, 2018, 96, A1.	2.3	0
42	Halide ion recognition via chalcogen bonding in the solid state and in solution. Directionality and linearity. CrystEngComm, 2018, 20, 6406-6411.	2.6	26
43	A rare example of a phosphine as a halogen bond acceptor. Chemical Communications, 2018, 54, 11041-11043.	4.1	36
44	Cosublimation: A Rapid Route Toward Otherwise Inaccessible Halogen-Bonded Architectures. Crystal Growth and Design, 2018, 18, 6227-6238.	3.0	42
45	Comparing the Halogen Bond to the Hydrogen Bond by Solidâ€State NMR Spectroscopy: Anion Coordinated Dimers from 2â€•and 3â€•Iodoethynylpyridine Salts. Chemistry - A European Journal, 2018, 24, 11364-11376.	3.3	35
46	Recent advances in solid-state nuclear magnetic resonance spectroscopy of exotic nuclei. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 109, 160-199.	7.5	34
47	3-(1,2,2-Triiodoethenyl)benzoic acid. IUCrData, 2018, 3, .	0.3	1
48	Solid-State NMR Studies of Halogen Bonding. , 2018, , 1031-1047.		0
49	Prospects for ²⁰⁷Pb solid-state NMR studies of lead tetrel bonds. Faraday Discussions, 2017, 203, 165-186.	3.2	31
50	¹³C and¹⁹F solid-state NMR and X-ray crystallographic study of halogen-bonded frameworks featuring nitrogen-containing heterocycles. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 157-167.	0.5	34
51	Observation of CHâ‹…â‹…â‹…Ï€ Interactions between Methyl and Carbonyl Groups in Proteins. Angewandte Chemie - International Edition, 2017, 56, 7564-7567.	13.8	17
52	Observation of CHâ‹…â‹…â‹…Ï€ Interactions between Methyl and Carbonyl Groups in Proteins. Angewandte Chemie, 2017, 129, 7672-7675.	2.0	5
53	Dynamic Disorder and Electronic Structures of Electron-Precise Dianionic Diboranes: Insights from Solid-State Multinuclear Magnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2017, 139, 8200-8211.	13.7	14
54	NMR Crystallography. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 126-127.	0.5	20

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55	1,3,5-Tri(iodoethynyl)-2,4,6-trifluorobenzene: halogen-bonded frameworks and NMR spectroscopic analysis. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 153-162.	1.1	17
56	Understanding the structural origin of crystalline phase transformations in nepheline (NaAlSiO₄)â€based glassâ€ceramics. Journal of the American Ceramic Society, 2017, 100, 2859-2878.	3.8	40
57	Multinuclear solid-state magnetic resonance study of oxo-bridged diniobium and quadruply-bonded dimolybdenum carboxylate clusters. Solid State Nuclear Magnetic Resonance, 2017, 84, 20-27.	2.3	7
58	The halogen bond in solution: general discussion. Faraday Discussions, 2017, 203, 347-370.	3.2	5
59	Computational approaches and sigma-hole interactions: general discussion. Faraday Discussions, 2017, 203, 131-163.	3.2	17
60	Beyond the halogen bond: general discussion. Faraday Discussions, 2017, 203, 227-244.	3.2	2
61	Solid-state chemistry and applications: general discussion. Faraday Discussions, 2017, 203, 459-483.	3.2	2
62	A kinetic study of mechanochemical halogen bond formation by in situ³¹P solid-state NMR spectroscopy. Chemical Communications, 2017, 53, 9930-9933.	4.1	20
63	Structural and Crystallographic Information from ⁶¹Ni Solid-State NMR Spectroscopy: Diamagnetic Nickel Compounds. Inorganic Chemistry, 2017, 56, 9996-10006.	4.0	7
64	NMR crystallography: structure and properties of materials from solid-state nuclear magnetic resonance observables. IUCrJ, 2017, 4, 350-359.	2.2	115
65	Solid State NMR, Rotational Resonance. , 2017, , 106-113.		0
66	New Experimental Insight into the Nature of Metalâ˜Metal Bonds in Digallium Compounds: J Coupling between Quadrupolar Nuclei. Chemistry - A European Journal, 2016, 22, 9565-9573.	3.3	14
67	Solid-State NMR Studies of Halogen Bonding. , 2016, , 1-18.		9
68	³⁵Cl Solid-State NMR and Computational Study of Chlorine Halogen Bond Donors in Single-Component Crystalline Chloronitriles. Journal of Physical Chemistry C, 2016, 120, 11121-11130.	3.1	44
69	From discrete molecule, to polymer, to MOF: mapping the coordination chemistry of Cd^{II}using¹¹³Cd solid-state NMR. Chemical Communications, 2016, 52, 10680-10683.	4.1	18
70	Solidâ€state nuclear magnetic resonance and nuclear quadrupole resonance as complementary tools to study quadrupolar nuclei in solids. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, .	0.5	23
71	The role of solid-state nuclear magnetic resonance in crystal engineering. CrystEngComm, 2016, 18, 5236-5252.	2.6	32
72	Intercalation of Coordinatively Unsaturated Fe^{III} Ion within Interpenetrated Metalâ€“Organic Framework MOFâ€5. Chemistry - A European Journal, 2016, 22, 7711-7715.	3.3	15

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73	Oxygen-17 NMR spectroscopy of water molecules in solid hydrates. Canadian Journal of Chemistry, 2016, 94, 189-197.	1.1	21
74	Sterically Driven Olefin Metathesis: The Impact of Alkylidene Substitution on Catalyst Activity. Organometallics, 2016, 35, 691-698.	2.3	30
75	¹¹B Solid-State NMR Interaction Tensors of Linear Two-Coordinate Boron: The Dimesitylborinium Cation. Inorganic Chemistry, 2015, 54, 11889-11896.	4.0	14
76	NMR Investigations of Noncovalent Carbon Tetrel Bonds. Computational Assessment and Initial Experimental Observation. Journal of Physical Chemistry A, 2015, 119, 11891-11899.	2.5	88
77	Structure and solubility behaviour of zinc containing phosphate glasses. Journal of Materials Chemistry B, 2015, 3, 8842-8855.	5.8	19
78	Mechanochemical Production of Halogen-Bonded Solids Featuring Pâ•OÂ·Â·Â·Iâ€“C Motifs and Characterization via X-ray Diffraction, Solid-State Multinuclear Magnetic Resonance, and Density Functional Theory. Journal of Physical Chemistry C, 2015, 119, 27104-27117.	3.1	45
79	Recent Advances in Chlorine, Bromine, and Iodine Solid-State NMR Spectroscopy. Annual Reports on NMR Spectroscopy, 2015, , 115-162.	1.5	24
80	High sensitivity and resolution in ⁴³Ca solid-state NMR experiments. Canadian Journal of Chemistry, 2015, 93, 799-807.	1.1	18
81	Solid-State NMR at the University of Ottawa. Canadian Journal of Chemistry, 2015, 93, 485-491.	1.1	1
82	Interaction of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) with CoX₂(X = Cl, Br) in water: trapping of new self-assembled waterâ€“chloride/bromide clusters in a [Co(bpca)₂]⁺host (bpca = bis(2-pyrimidylcarbonyl)amidate anion). New Journal of Chemistry, 2015, 39, 7147-7152.	2.8	23
83	Zero Thermal Expansion in ZrMgMo₃O₁₂: NMR Crystallography Reveals Origins of Thermoelastic Properties. Chemistry of Materials, 2015, 27, 2633-2646.	6.7	90
84	Spying on the boronâ€“boron triple bond using spinâ€“spin coupling measured from ¹¹B solid-state NMR spectroscopy. Chemical Science, 2015, 6, 3378-3382.	7.4	47
85	Crystal structure of tetraethylammonium chloride 3,4,5,6-tetrafluoro-1,2-diiodobenzene. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o319-o320.	0.5	0
86	Solid-state^{185/187}Re NMR and GIPAW DFT study of perrhenates and Re₂(CO)₁₀: chemical shift anisotropy, NMR crystallography, and a metalâ€“metal bond. Physical Chemistry Chemical Physics, 2015, 17, 10118-10134.	2.8	18
87	Hybrid Material Constructed from Hg(NCS)₂ and 2,4,6â€Tris(2â€pyrimidyl)â€1,3,5â€triazine (TPymT): Coordination of TPymT in a 2,2â€²â€Bipyridineâ€Like Mode. European Journal of Inorganic Chemistry, 2015, 2015, 441-446.	2.0	25
88	On the crystal structure of the vaterite polymorph of CaCO3: A calcium-43 solid-state NMR and computational assessment. Solid State Nuclear Magnetic Resonance, 2015, 65, 75-83.	2.3	36
89	Crystal structure of tetrabutylammonium bromideâ€“1,2-diiodo-3,4,5,6-tetrafluorobenzeneâ€“dichloromethane (2/2/1). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o286-o287.	0.5	2
90	²³Na magic-angle spinning and double-rotation NMR study of solid forms of sodium valproate. Canadian Journal of Chemistry, 2014, 92, 9-15.	1.1	13

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91	Solid-State NMR Study of Halogen-Bonded Adducts. Topics in Current Chemistry, 2014, 358, 183-203.	4.0	25
92	Boronâ€“boronJcoupling constants are unique probes of electronic structure: a solid-state NMR and molecular orbital study. Chemical Science, 2014, 5, 2428-2437.	7.4	40
93	Theoretical study of homonuclear J coupling between quadrupolar spins: Single-crystal, DOR, and J-resolved NMR. Journal of Magnetic Resonance, 2014, 242, 23-32.	2.1	19
94	Direct Characterization of Metalâ€“Metal Bonds between Nuclei with Strong Quadrupolar Interactions via NMR Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 4049-4054.	4.6	21
95	Calcium-43 chemical shift and electric field gradient tensor interplay: a sensitive probe of structure, polymorphism, and hydration. Physical Chemistry Chemical Physics, 2014, 16, 13340-13359.	2.8	22
96	Renaissance of the coordination chemistry of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT). Part II: new insights into the reaction of TPymT with Pb(NO₃)₂. CrystEngComm, 2014, 16, 3466-3469.	2.6	26
97	Probing halogen bonds with solid-state NMR spectroscopy: observation and interpretation of J(⁷⁷Se,³¹P) coupling in halogen-bonded P€Seâ‹¯I motifs. CrystEngComm, 2014, 16, 7285-7297.	2.6	43
98	Alkaline-Earth Metal Carboxylates Characterized by ⁴³Ca and ⁸⁷Sr Solid-State NMR: Impact of Metal-Amine Bonding. Inorganic Chemistry, 2014, 53, 552-561.	4.0	33
99	Direct Investigation of Halogen Bonds by Solid-State Multinuclear Magnetic Resonance Spectroscopy and Molecular Orbital Analysis. Journal of the American Chemical Society, 2014, 136, 6929-6942.	13.7	64
100	NMR crystallography of sodium diphosphates: combining dipolar, shielding, quadrupolar, diffraction, and computational information. CrystEngComm, 2013, 15, 8727.	2.6	24
101	Multinuclear Solidâ€State Magnetic Resonance as a Sensitive Probe of Structural Changes upon the Occurrence of Halogen Bonding in Coâ€crystals. Chemistry - A European Journal, 2013, 19, 11949-11962.	3.3	41
102	Symmetry-Amplified J Splittings for Quadrupolar Spin Pairs: A Solid-State NMR Probe of Homoatomic Covalent Bonds. Journal of the American Chemical Society, 2013, 135, 12596-12599.	13.7	31
103	Correlation between 13C chemical shifts and the halogen bonding environment in a series of solid para-diiodotetrafluorobenzene complexes. CrystEngComm, 2013, 15, 3168.	2.6	63
104	Signal enhancement in solid-state NMR of quadrupolar nuclei. Solid State Nuclear Magnetic Resonance, 2013, 51-52, 1-15.	2.3	58
105	Insight into Magnesium Coordination Environments in Benzoate and Salicylate Complexes through 25Mg Solid-State NMR Spectroscopy. Journal of Physical Chemistry A, 2013, 117, 6561-6570.	2.5	12
106	Renaissance of the coordination chemistry of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT). Part I: First crystal structure of a TPymT complex with a d-metal cation. CrystEngComm, 2013, 15, 10419.	2.6	32
107	Measuring dipolar and J coupling between quadrupolar nuclei using double-rotation NMR. Journal of Chemical Physics, 2013, 138, 174202.	3.0	34
108	QUESTâ€”QUadrupolar Exact SofTware: A fast graphical program for the exact simulation of NMR and NQR spectra for quadrupolar nuclei. Solid State Nuclear Magnetic Resonance, 2012, 45-46, 36-44.	2.3	77

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109	Multinuclear Magnetic Resonance Crystallographic Structure Refinement and Cross-Validation Using Experimental and Computed Electric Field Gradients: Application to Na₂Al₂B₂O₇. Journal of Physical Chemistry C, 2012, 116, 19472-19482.	3.1	52
110	Potent inhibition of ice recrystallization by low molecular weight carbohydrate-based surfactants and hydrogelators. Chemical Science, 2012, 3, 1408.	7.4	102
111	First structural evidence for multiple alkali metals between sandwich decks in a metallocene. Dalton Transactions, 2012, 41, 8060.	3.3	15
112	Weak Halogen Bonding in Solid Haloanilinium Halides Probed Directly via Chlorine-35, Bromine-81, and Iodine-127 NMR Spectroscopy. Crystal Growth and Design, 2012, 12, 1641-1653.	3.0	45
113	23Na double-rotation NMR of sodium nucleotides leads to the discovery of a new dCMP hendecahydrate. Physical Chemistry Chemical Physics, 2012, 14, 4677.	2.8	18
114	Sodium-23 Ssolid-Sstate Snuclear Smagnetic Sresonance of Scommercial Ssodium Snaproxen and its Ssolvates. Journal of Pharmaceutical Sciences, 2012, 101, 2930-2940.	3.3	39
115	Solidâ€state ¹¹B and ¹³C NMR, IR, and Xâ€ray crystallographic characterization of selected arylboronic acids and their catechol cyclic esters. Magnetic Resonance in Chemistry, 2012, 50, 388-401.	1.9	30
116	Direct Investigation of Covalently Bound Chlorine in Organic Compounds by Solidâ€State ³⁵Clâ€…NMR Spectroscopy and Exact Spectral Lineâ€Shape Simulations. Angewandte Chemie - International Edition, 2012, 51, 4227-4230.	13.8	69
117	A Combined Solidâ€State NMR and Xâ€ray Crystallography Study of the Bromide Ion Environments in Triphenylphosphonium Bromides. Chemistry - A European Journal, 2012, 18, 5748-5758.	3.3	20
118	Using 69/71Ga solid-state NMR and 127I NQR as probes to elucidate the composition of â€œGalâ€• Polyhedron, 2012, 35, 96-100.	2.2	17
119	A ZORA-DFT and NLMO study of the one-bond fluorineâ€“X indirect nuclear spin-spin coupling tensors for various VSEPR geometries. Canadian Journal of Chemistry, 2011, 89, 789-802.	1.1	2
120	Postsynthetic modification of an imine-based microporous organic network. Canadian Journal of Chemistry, 2011, 89, 577-582.	1.1	22
121	Multinuclear Solid-State Magnetic Resonance and X-ray Diffraction Study of Some Thiocyanate and Selenocyanate Complexes Exhibiting Halogen Bonding. Crystal Growth and Design, 2011, 11, 4984-4995.	3.0	45
122	Definitive solid-state 185/187Re NMR spectral evidence for and analysis of the origin of high-order quadrupole-induced effects for I = 5/2. Physical Chemistry Chemical Physics, 2011, 13, 12413.	2.8	36
123	Removal of sidebands in double-rotation NMR in real time. Journal of Magnetic Resonance, 2011, 211, 234-239.	2.1	3
124	Residual dipolar coupling between quadrupolar nuclei under magic-angle spinning and double-rotation conditions. Journal of Magnetic Resonance, 2011, 213, 82-89.	2.1	21
125	A solid-state ^{35/37}Cl NMR study of a chloride ion receptor and a GIPAW-DFT study of chlorine NMR interaction tensors in organic hydrochlorides. Canadian Journal of Chemistry, 2011, 89, 822-834.	1.1	28
126	A multinuclear solid-state magnetic resonance and GIPAW DFT study of anhydrous calcium chloride and its hydrates. Canadian Journal of Chemistry, 2011, 89, 754-763.	1.1	20

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127	A computational investigation of J couplings involving 27Al, 17O, and 31P. Magnetic Resonance in Chemistry, 2010, 48, S69-S75.	1.9	7
128	Direct detection of CH/Ï€ interactions in proteins. Nature Chemistry, 2010, 2, 466-471.	13.6	247
129	Solid-State ^{79/81}Br NMR and Gauge-Including Projector-Augmented Wave Study of Structure, Symmetry, and Hydration State in Alkaline Earth Metal Bromides. Journal of Physical Chemistry A, 2010, 114, 2102-2116.	2.5	43
130	Capsule Formation, Carboxylate Exchange, and DFT Exploration of Cadmium Cluster Metallocavitands: Highly Dynamic Supramolecules. Journal of the American Chemical Society, 2010, 132, 3893-3908.	13.7	75
131	Multinuclear Solid-State Magnetic Resonance Study of In⁺ and Ag⁺ in Neutral Weakly Coordinating Environments. Journal of Physical Chemistry Letters, 2010, 1, 3078-3084.	4.6	12
132	Solid-State ¹²⁷I NMR and GIPAW DFT Study of Metal Iodides and Their Hydrates: Structure, Symmetry, and Higher-Order Quadrupole-Induced Effects. Journal of Physical Chemistry A, 2010, 114, 10810-10823.	2.5	63
133	A Solid-State ¹¹B NMR and Computational Study of Boron Electric Field Gradient and Chemical Shift Tensors in Boronic Acids and Boronic Esters. Journal of Physical Chemistry A, 2010, 114, 5119-5131.	2.5	70
134	Calcium binding environments probed by 43Ca NMR spectroscopy. Dalton Transactions, 2010, 39, 8593.	3.3	56
135	Combining oximes with azides to create a novel 1-D [NaCo^{III}₂] system: synthesis, structure and solid-state NMR. Dalton Transactions, 2010, 39, 1504-1510.	3.3	9
136	Solid-state NMR of quadrupolar halogen nuclei. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 55, 215-237.	7.5	67
137	Measurement of Î”1J(199Hg, 31P) in [HgPCy3(OAc)2]2 and relativistic ZORA DFT investigations of mercuryâ€“phosphorus coupling tensors. Solid State Nuclear Magnetic Resonance, 2009, 36, 182-191.	2.3	13
138	NMR line shapes from AB spin systems in solids â€” The role of antisymmetric spinâ€“spin coupling. Canadian Journal of Chemistry, 2009, 87, 1338-1351.	1.1	15
139	Chapter 5 Chlorine, Bromine, and Iodine Solid-State NMR Spectroscopy. Annual Reports on NMR Spectroscopy, 2009, 66, 195-326.	1.5	43
140	Application of multinuclear magnetic resonance and gauge-including projector-augmented-wave calculations to the study of solid group 13 chlorides. Physical Chemistry Chemical Physics, 2009, 11, 6987.	2.8	44
141	Crystallographic structure refinement with quadrupolar nuclei: a combined solid-state NMR and GIPAW DFT example using MgBr2. Physical Chemistry Chemical Physics, 2009, 11, 7120.	2.8	60
142	Application of Ultrahighâ€Field ⁵⁹Co Solidâ€State NMR Spectroscopy in the Investigation of the 1,2â€Polybutadiene Catalyst [Co(C₈H₁₃)(C₄H₆)]. Angewandte Chemie - International Edition, 2008, 47, 3454-3457.	13.8	29
143	Substituted 4,4â€²-Stilbenoid NCN-Pincer Platinum(II) Complexes. Luminescence and Tuning of the Electronic and NLO Properties and the Application in an OLED. Organometallics, 2008, 27, 1690-1701.	2.3	56
144	Calcium-43 Chemical Shift Tensors as Probes of Calcium Binding Environments. Insight into the Structure of the Vaterite CaCO₃ Polymorph by ⁴³Ca Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 9282-9292.	13.7	92

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145	Liquid-crystal NMR structure of HIV TAR RNA bound to its SELEX RNA aptamer reveals the origins of the high stability of the complex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9210-9215.	7.1	44
146	EFGShield â€" A program for parsing and summarizing the results of electric field gradient and nuclear magnetic shielding tensor calculations. Canadian Journal of Chemistry, 2007, 85, 496-505.	1.1	144
147	A high-field solid-state 35/37Cl NMR and quantum chemical investigation of the chlorine quadrupolar and chemical shift tensors in amino acid hydrochlorides. Physical Chemistry Chemical Physics, 2007, 9, 6219.	2.8	71
148	K-39 Quadrupolar and Chemical Shift Tensors for Organic Potassium Complexes and Diatomic Molecules. Journal of Physical Chemistry A, 2007, 111, 12859-12863.	2.5	15
149	Alkaline Earth Chloride Hydrates: Chlorine Quadrupolar and Chemical Shift Tensors by Solid-State NMR Spectroscopy and Plane Wave Pseudopotential Calculations. Chemistry - A European Journal, 2007, 13, 4786-4796.	3.3	59
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