

David L Bryce

List of Publications by Year in descending order

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papers

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66234

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#	ARTICLE	IF	CITATIONS
1	Stoichiomorphic halogen-bonded cocrystals: a case study of 1,4-diiodotetrafluorobenzene and 3-nitropyridine. <i>Canadian Journal of Chemistry</i> , 2022, 100, 245-251.	0.6	4
2	Predictability of Chalcogen-Bond-Driven Crystal Engineering: An X-ray Diffraction and Selenium-77 Solid-State NMR Investigation of Benzylic Selenocyanate Cocrystals. <i>ACS Organic & Inorganic Au</i> , 2022, 2, 252-260.	1.9	5
3	NMR Response of the Tetrel Bond Donor. <i>Journal of Physical Chemistry C</i> , 2022, 126, 851-865.	1.5	10
4	Assessment of halogen-bond induced cocrystallization of 1,3,5-trihalo-2,4,6-trifluorobenzenes with 2,3,5,6-Tetramethylpyrazine. <i>Results in Chemistry</i> , 2022, 4, 100336.	0.9	1
5	To what extent do bond length and angle govern the ¹³ C and ¹ H NMR response to weak CH ^{δ+} -O hydrogen bonds? A case study of caffeine and theophylline cocrystals. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 119, 101795.	1.5	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. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 557-563.	0.5	1
7	Solid-state NMR of quadrupolar nuclei: Selected new methods and applications. <i>Annual Reports on NMR Spectroscopy</i> , 2022, , .	0.7	1
8	Field-Stepped ultra-wideband NMR at up to 36 T: On the inequivalence between field and frequency stepping. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 951-960.	1.1	12
9	Recent advances in NMR crystallography and polymorphism. <i>Annual Reports on NMR Spectroscopy</i> , 2021, 102, 1-80.	0.7	11
10	One Ball Tips the Balance toward Three-Component Borromean Ring Systems. <i>CheM</i> , 2021, 7, 9-11.	5.8	0
11	Experimental ¹³ C and ¹ H Solid-State NMR Response in Weakly Tetrel-Bonded Methyl Groups. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2111-2123.	1.5	10
12	Effects of Secondary Anions on Proton Conduction in a Flexible Cationic Phosphonate Metal-Organic Framework. <i>Chemistry of Materials</i> , 2020, 32, 679-687.	3.2	36
13	4,4'-Dipyridyl Dioxide-SbF ₃ Cocrystal: Pnictogen Bond Prevails over Halogen and Hydrogen Bonds in Driving Self-Assembly. <i>Crystal Growth and Design</i> , 2020, 20, 916-922.	1.4	25
14	Double Chalcogen Bonds: Crystal Engineering Stratagems via Diffraction and Multinuclear Solid-State Magnetic Resonance Spectroscopy. <i>Chemistry - A European Journal</i> , 2020, 26, 3275-3286.	1.7	61
15	Recent advances in chlorine, bromine, and iodine solid-state NMR spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 2020, 100, 97-152.	0.7	6
16	Frontispiece: Double Chalcogen Bonds: Crystal Engineering Stratagems via Diffraction and Multinuclear Solid-State Magnetic Resonance Spectroscopy. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
17	Chalcogen-Bonded Cocrystals of Substituted Pyridine N-Oxides and Chalcogenodiazoles: An X-ray Diffraction and Solid-State NMR Investigation. <i>Crystal Growth and Design</i> , 2020, 20, 7910-7920.	1.4	23
18	Short and Linear Intermolecular Tetrel Bonds to Tin. Cocrystal Engineering with Triphenyltin Chloride. <i>Crystal Growth and Design</i> , 2020, 20, 2027-2034.	1.4	21

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19	Solid-state NMR spectroscopy for the analysis of element-based non-covalent interactions. <i>Coordination Chemistry Reviews</i> , 2020, 411, 213237.	9.5	32
20	Direct investigation of chalcogen bonds by multinuclear solid-state magnetic resonance and vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3817-3824.	1.3	33
21	Editorial: Industrial applications of solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2020, 107, 101667.	1.5	0
22	Complexes of Diborynes with Main Group Atoms. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1553-1557.	1.7	5
23	On the importance of accurate nuclear quadrupole moments in ¹²⁹ X NMR crystallography. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 265-267.	1.1	6
24	Rapid Identification of Halogen Bonds in Coordinated Crystalline Powders via ¹²⁷ I Nuclear Quadrupole Resonance Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13479-13485.	7.2	17
25	SCFit: Software for single-crystal NMR analysis. Free vs constrained fitting. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 102, 53-62.	1.5	6
26	Rapid Identification of Halogen Bonds in Coordinated Crystalline Powders via ¹²⁷ I Nuclear Quadrupole Resonance Spectroscopy. <i>Angewandte Chemie</i> , 2019, 131, 13613-13619.	1.6	3
27	Mechanochemical Preparations of Anion Coordinated Architectures Based on π -Conjugated Ethynylpyridine and π -Conjugated Ethynylbenzoic Acid. <i>ChemistryOpen</i> , 2019, 8, 1328-1336.	0.9	8
28	Single-Crystal NMR Characterization of Halogen Bonds. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6194-6209.	1.1	17
29	Editorial: Special Issue on Emerging Frontiers in Dynamic Nuclear Polarization NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 102, 1.	1.5	0
30	New frontiers for solid-state NMR across the periodic table: a snapshot of modern techniques and instrumentation. <i>Dalton Transactions</i> , 2019, 48, 8014-8020.	1.6	20
31	Halogen bonding as a supramolecular dynamics catalyst. <i>Nature Communications</i> , 2019, 10, 916.	5.8	72
32	Mechanochemical Preparations of Anion Coordinated Architectures Based on π -Conjugated Ethynylpyridine and π -Conjugated Ethynylbenzoic Acid. <i>ChemistryOpen</i> , 2019, 8, 1327-1327.	0.9	0
33	Definition of the chalcogen bond (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2019, 91, 1889-1892.	0.9	322
34	^{121/123} Sb Nuclear Quadrupole Resonance Spectroscopy: Characterization of Non-Covalent Pnictogen Bonds and NQR Crystallography. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1030-1043.	1.1	27
35	Halogen-bond driven self-assembly of triangular macrocycles. <i>New Journal of Chemistry</i> , 2018, 42, 10467-10471.	1.4	22
36	Linear dicoordinate beryllium: a ⁹ Be solid-state NMR study of a discrete zero-valent s-block beryllium complex. <i>Canadian Journal of Chemistry</i> , 2018, 96, 646-652.	0.6	5

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37	^{79/81} Br nuclear quadrupole resonance spectroscopic characterization of halogen bonds in supramolecular assemblies. <i>Chemical Science</i> , 2018, 9, 4555-4561.	3.7	22
38	Mechanochemistry and cocrystallization of 3-iodoethynylbenzoic acid with nitrogen-containing heterocycles: concurrent halogen and hydrogen bonding. <i>New Journal of Chemistry</i> , 2018, 42, 10493-10501.	1.4	22
39	Recent Advances in ¹¹ B Solid-State Nuclear Magnetic Resonance Spectroscopy of Crystalline Solids. <i>Annual Reports on NMR Spectroscopy</i> , 2018, , 213-279.	0.7	16
40	Structural Insights from ⁵⁹ Co Solid-State NMR Experiments on Organocobalt(II) Catalysts. <i>ChemPhysChem</i> , 2018, 19, 227-236.	1.0	8
41	Editorial - A dynamic journal. <i>Solid State Nuclear Magnetic Resonance</i> , 2018, 96, A1.	1.5	0
42	Halide ion recognition <i>via</i> chalcogen bonding in the solid state and in solution. Directionality and linearity. <i>CrystEngComm</i> , 2018, 20, 6406-6411.	1.3	26
43	A rare example of a phosphine as a halogen bond acceptor. <i>Chemical Communications</i> , 2018, 54, 11041-11043.	2.2	36
44	Cosublimation: A Rapid Route Toward Otherwise Inaccessible Halogen-Bonded Architectures. <i>Crystal Growth and Design</i> , 2018, 18, 6227-6238.	1.4	42
45	Comparing the Halogen Bond to the Hydrogen Bond by Solid-State NMR Spectroscopy: Anion Coordinated Dimers from ² and ³ iodoethynylpyridine Salts. <i>Chemistry - A European Journal</i> , 2018, 24, 11364-11376.	1.7	35
46	Recent advances in solid-state nuclear magnetic resonance spectroscopy of exotic nuclei. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 109, 160-199.	3.9	34
47	3-(1,2,2-Triiodoethenyl)benzoic acid. <i>IUCrData</i> , 2018, 3, .	0.1	1
48	Solid-State NMR Studies of Halogen Bonding. , 2018, , 1031-1047.		0
49	Prospects for ²⁰⁷ Pb solid-state NMR studies of lead tetrel bonds. <i>Faraday Discussions</i> , 2017, 203, 165-186.	1.6	31
50	¹³ C and ¹⁹ F solid-state NMR and X-ray crystallographic study of halogen-bonded frameworks featuring nitrogen-containing heterocycles. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 157-167.	0.2	34
51	Observation of CH... π Interactions between Methyl and Carbonyl Groups in Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7564-7567.	7.2	17
52	Observation of CH... π Interactions between Methyl and Carbonyl Groups in Proteins. <i>Angewandte Chemie</i> , 2017, 129, 7672-7675.	1.6	5
53	Dynamic Disorder and Electronic Structures of Electron-Precise Dianionic Diboranes: Insights from Solid-State Multinuclear Magnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 8200-8211.	6.6	14
54	NMR Crystallography. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 126-127.	0.2	20

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55	1,3,5-Tri(iodoethyl)-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.	0.5	17
56	Understanding the structural origin of crystalline phase transformations in nepheline (NaAlSi ₄) ⁴ -based glass-ceramics. Journal of the American Ceramic Society, 2017, 100, 2859-2878.	1.9	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.	1.5	7
58	The halogen bond in solution: general discussion. Faraday Discussions, 2017, 203, 347-370.	1.6	5
59	Computational approaches and sigma-hole interactions: general discussion. Faraday Discussions, 2017, 203, 131-163.	1.6	17
60	Beyond the halogen bond: general discussion. Faraday Discussions, 2017, 203, 227-244.	1.6	2
61	Solid-state chemistry and applications: general discussion. Faraday Discussions, 2017, 203, 459-483.	1.6	2
62	A kinetic study of mechanochemical halogen bond formation by in situ ³¹ P solid-state NMR spectroscopy. Chemical Communications, 2017, 53, 9930-9933.	2.2	20
63	Structural and Crystallographic Information from ⁶¹ Ni Solid-State NMR Spectroscopy: Diamagnetic Nickel Compounds. Inorganic Chemistry, 2017, 56, 9996-10006.	1.9	7
64	NMR crystallography: structure and properties of materials from solid-state nuclear magnetic resonance observables. IUCrJ, 2017, 4, 350-359.	1.0	115
65	Solid State NMR, Rotational Resonance. , 2017, , 106-113.		0
66	New Experimental Insight into the Nature of Metal-Metal Bonds in Digallium Compounds: <i>J</i> Coupling between Quadrupolar Nuclei. Chemistry - A European Journal, 2016, 22, 9565-9573.	1.7	14
67	Solid-State NMR Studies of Halogen Bonding. , 2016, , 1-18.		9
68	³⁵ Cl 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.	1.5	44
69	From discrete molecule, to polymer, to MOF: mapping the coordination chemistry of Cd ^{II} using ¹¹³ Cd solid-state NMR. Chemical Communications, 2016, 52, 10680-10683.	2.2	18
70	Solid-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, .	0.2	23
71	The role of solid-state nuclear magnetic resonance in crystal engineering. CrystEngComm, 2016, 18, 5236-5252.	1.3	32
72	Intercalation of Coordinatively Unsaturated Fe ^{III} Ion within Interpenetrated Metal-Organic Framework MOF-5. Chemistry - A European Journal, 2016, 22, 7711-7715.	1.7	15

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73	Oxygen-17 NMR spectroscopy of water molecules in solid hydrates. <i>Canadian Journal of Chemistry</i> , 2016, 94, 189-197.	0.6	21
74	Sterically Driven Olefin Metathesis: The Impact of Alkylidene Substitution on Catalyst Activity. <i>Organometallics</i> , 2016, 35, 691-698.	1.1	30
75	¹¹ B Solid-State NMR Interaction Tensors of Linear Two-Coordinate Boron: The Dimesitylborinium Cation. <i>Inorganic Chemistry</i> , 2015, 54, 11889-11896.	1.9	14
76	NMR Investigations of Noncovalent Carbon Tetrel Bonds. Computational Assessment and Initial Experimental Observation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11891-11899.	1.1	88
77	Structure and solubility behaviour of zinc containing phosphate glasses. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8842-8855.	2.9	19
78	Mechanochemical Production of Halogen-Bonded Solids Featuring P=O···C Motifs and Characterization via X-ray Diffraction, Solid-State Multinuclear Magnetic Resonance, and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27104-27117.	1.5	45
79	Recent Advances in Chlorine, Bromine, and Iodine Solid-State NMR Spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 2015, , 115-162.	0.7	24
80	High sensitivity and resolution in ⁴³ Ca solid-state NMR experiments. <i>Canadian Journal of Chemistry</i> , 2015, 93, 799-807.	0.6	18
81	Solid-State NMR at the University of Ottawa. <i>Canadian Journal of Chemistry</i> , 2015, 93, 485-491.	0.6	1
82	Interaction of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) with CoX ₂ (X = Cl, Br) in water: trapping of new self-assembled water···chloride/bromide clusters in a [Co(bpca) ₂] ⁺ host (bpca = bis(2-pyrimidylcarbonyl)amidate anion). <i>New Journal of Chemistry</i> , 2015, 39, 7147-7152.	1.4	23
83	Zero Thermal Expansion in ZrMgMo ₃ O ₁₂ : NMR Crystallography Reveals Origins of Thermoelastic Properties. <i>Chemistry of Materials</i> , 2015, 27, 2633-2646.	3.2	90
84	Spying on the boron···boron triple bond using spin···spin coupling measured from ¹¹ B solid-state NMR spectroscopy. <i>Chemical Science</i> , 2015, 6, 3378-3382.	3.7	47
85	Crystal structure of tetraethylammonium chloride 3,4,5,6-tetrafluoro-1,2-diiodobenzene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o319-o320.	0.2	0
86	Solid-state ^{185/187} Re NMR and GIPAW DFT study of perrhenates and Re ₂ (CO) ₁₀ : chemical shift anisotropy, NMR crystallography, and a metal···metal bond. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10118-10134.	1.3	18
87	Hybrid Material Constructed from Hg(NCS) ₂ and 2,4,6-Tris(2-pyrimidyl)-1,3,5-triazine (TPymT): Coordination of TPymT in a 2,2'-Bipyridine-Like Mode. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 441-446.	1.0	25
88	On the crystal structure of the vaterite polymorph of CaCO ₃ : A calcium-43 solid-state NMR and computational assessment. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 65, 75-83.	1.5	36
89	Crystal structure of tetrabutylammonium bromide···1,2-diiodo-3,4,5,6-tetrafluorobenzene···dichloromethane (2/2/1). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o286-o287.	0.2	2
90	²³ Na magic-angle spinning and double-rotation NMR study of solid forms of sodium valproate. <i>Canadian Journal of Chemistry</i> , 2014, 92, 9-15.	0.6	13

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91	Solid-State NMR Study of Halogen-Bonded Adducts. <i>Topics in Current Chemistry</i> , 2014, 358, 183-203.	4.0	25
92	Boron-11 coupling constants are unique probes of electronic structure: a solid-state NMR and molecular orbital study. <i>Chemical Science</i> , 2014, 5, 2428-2437.	3.7	40
93	Theoretical study of homonuclear J coupling between quadrupolar spins: Single-crystal, DOR, and J-resolved NMR. <i>Journal of Magnetic Resonance</i> , 2014, 242, 23-32.	1.2	19
94	Direct Characterization of Metal-Metal Bonds between Nuclei with Strong Quadrupolar Interactions via NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4049-4054.	2.1	21
95	Calcium-43 chemical shift and electric field gradient tensor interplay: a sensitive probe of structure, polymorphism, and hydration. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13340-13359.	1.3	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(NO ₃) ₂ . <i>CrystEngComm</i> , 2014, 16, 3466-3469.	1.3	26
97	Probing halogen bonds with solid-state NMR spectroscopy: observation and interpretation of J(⁷⁷ Se, ³¹ P) coupling in halogen-bonded PtSe ₄ motifs. <i>CrystEngComm</i> , 2014, 16, 7285-7297.	1.3	43
98	Alkaline-Earth Metal Carboxylates Characterized by ⁴³ Ca and ⁸⁷ Sr Solid-State NMR: Impact of Metal-Amine Bonding. <i>Inorganic Chemistry</i> , 2014, 53, 552-561.	1.9	33
99	Direct Investigation of Halogen Bonds by Solid-State Multinuclear Magnetic Resonance Spectroscopy and Molecular Orbital Analysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 6929-6942.	6.6	64
100	NMR crystallography of sodium diphosphates: combining dipolar, shielding, quadrupolar, diffraction, and computational information. <i>CrystEngComm</i> , 2013, 15, 8727.	1.3	24
101	Multinuclear Solid-State Magnetic Resonance as a Sensitive Probe of Structural Changes upon the Occurrence of Halogen Bonding in Co-crystals. <i>Chemistry - A European Journal</i> , 2013, 19, 11949-11962.	1.7	41
102	Symmetry-Amplified J Splittings for Quadrupolar Spin Pairs: A Solid-State NMR Probe of Homoatomic Covalent Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 12596-12599.	6.6	31
103	Correlation between ¹³ C chemical shifts and the halogen bonding environment in a series of solid para-diiodotetrafluorobenzene complexes. <i>CrystEngComm</i> , 2013, 15, 3168.	1.3	63
104	Signal enhancement in solid-state NMR of quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2013, 51-52, 1-15.	1.5	58
105	Insight into Magnesium Coordination Environments in Benzoate and Salicylate Complexes through ²⁵ Mg Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6561-6570.	1.1	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. <i>CrystEngComm</i> , 2013, 15, 10419.	1.3	32
107	Measuring dipolar and J coupling between quadrupolar nuclei using double-rotation NMR. <i>Journal of Chemical Physics</i> , 2013, 138, 174202.	1.2	34
108	QUEST-QUadrupolar Exact SoftWare: A fast graphical program for the exact simulation of NMR and NQR spectra for quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 45-46, 36-44.	1.5	77

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109	Multinuclear Magnetic Resonance Crystallographic Structure Refinement and Cross-Validation Using Experimental and Computed Electric Field Gradients: Application to $\text{Na}_2\text{Al}_2\text{B}_2\text{O}_7$. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19472-19482.	1.5	52
110	Potent inhibition of ice recrystallization by low molecular weight carbohydrate-based surfactants and hydrogelators. <i>Chemical Science</i> , 2012, 3, 1408.	3.7	102
111	First structural evidence for multiple alkali metals between sandwich decks in a metallocene. <i>Dalton Transactions</i> , 2012, 41, 8060.	1.6	15
112	Weak Halogen Bonding in Solid Haloanilinium Halides Probed Directly via Chlorine-35, Bromine-81, and Iodine-127 NMR Spectroscopy. <i>Crystal Growth and Design</i> , 2012, 12, 1641-1653.	1.4	45
113	^{23}Na double-rotation NMR of sodium nucleotides leads to the discovery of a new dCMP hendecahydrate. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4677.	1.3	18
114	Sodium-23 Solid-State Nuclear Magnetic Resonance of Commercial Sodium Naproxen and its Solvates. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 2930-2940.	1.6	39
115	Solid-State ^{11}B and ^{13}C NMR, IR, and X-ray crystallographic characterization of selected arylboronic acids and their catechol cyclic esters. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 388-401.	1.1	30
116	Direct Investigation of Covalently Bound Chlorine in Organic Compounds by Solid-State ^{35}Cl NMR Spectroscopy and Exact Spectral Line-Shape Simulations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4227-4230.	7.2	69
117	A Combined Solid-State NMR and X-ray Crystallography Study of the Bromide Ion Environments in Triphenylphosphonium Bromides. <i>Chemistry - A European Journal</i> , 2012, 18, 5748-5758.	1.7	20
118	Using $^{69/71}\text{Ga}$ solid-state NMR and ^{127}I NQR as probes to elucidate the composition of $\alpha\text{-GaI}_2$ Polyhedron, 2012, 35, 96-100.	1.0	17
119	A ZORA-DFT and NLMO study of the one-bond fluorine-X indirect nuclear spin-spin coupling tensors for various VSEPR geometries. <i>Canadian Journal of Chemistry</i> , 2011, 89, 789-802.	0.6	2
120	Postsynthetic modification of an imine-based microporous organic network. <i>Canadian Journal of Chemistry</i> , 2011, 89, 577-582.	0.6	22
121	Multinuclear Solid-State Magnetic Resonance and X-ray Diffraction Study of Some Thiocyanate and Selenocyanate Complexes Exhibiting Halogen Bonding. <i>Crystal Growth and Design</i> , 2011, 11, 4984-4995.	1.4	45
122	Definitive solid-state $^{185/187}\text{Re}$ NMR spectral evidence for and analysis of the origin of high-order quadrupole-induced effects for $I = 5/2$. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12413.	1.3	36
123	Removal of sidebands in double-rotation NMR in real time. <i>Journal of Magnetic Resonance</i> , 2011, 211, 234-239.	1.2	3
124	Residual dipolar coupling between quadrupolar nuclei under magic-angle spinning and double-rotation conditions. <i>Journal of Magnetic Resonance</i> , 2011, 213, 82-89.	1.2	21
125	A solid-state $^{35/37}\text{Cl}$ NMR study of a chloride ion receptor and a GIPAW-DFT study of chlorine NMR interaction tensors in organic hydrochlorides. <i>Canadian Journal of Chemistry</i> , 2011, 89, 822-834.	0.6	28
126	A multinuclear solid-state magnetic resonance and GIPAW DFT study of anhydrous calcium chloride and its hydrates. <i>Canadian Journal of Chemistry</i> , 2011, 89, 754-763.	0.6	20

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127	A computational investigation of J couplings involving ²⁷ Al, ¹⁷ O, and ³¹ P. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, S69-S75.	1.1	7
128	Direct detection of CH/13C interactions in proteins. <i>Nature Chemistry</i> , 2010, 2, 466-471.	6.6	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. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2102-2116.	1.1	43
130	Capsule Formation, Carboxylate Exchange, and DFT Exploration of Cadmium Cluster Metallocavitands: Highly Dynamic Supramolecules. <i>Journal of the American Chemical Society</i> , 2010, 132, 3893-3908.	6.6	75
131	Multinuclear Solid-State Magnetic Resonance Study of In ⁺ and Ag ⁺ in Neutral Weakly Coordinating Environments. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3078-3084.	2.1	12
132	Solid-State ¹²⁷ I NMR and GIPAW DFT Study of Metal Iodides and Their Hydrates: Structure, Symmetry, and Higher-Order Quadrupole-Induced Effects. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10810-10823.	1.1	63
133	A Solid-State ¹¹ B NMR and Computational Study of Boron Electric Field Gradient and Chemical Shift Tensors in Boronic Acids and Boronic Esters. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5119-5131.	1.1	70
134	Calcium binding environments probed by ⁴³ Ca NMR spectroscopy. <i>Dalton Transactions</i> , 2010, 39, 8593.	1.6	56
135	Combining oximes with azides to create a novel 1-D [NaCo ^{III} ₂] system: synthesis, structure and solid-state NMR. <i>Dalton Transactions</i> , 2010, 39, 1504-1510.	1.6	9
136	Solid-state NMR of quadrupolar halogen nuclei. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 55, 215-237.	3.9	67
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138	NMR line shapes from AB spin systems in solids – The role of antisymmetric spin ¹ spin coupling. <i>Canadian Journal of Chemistry</i> , 2009, 87, 1338-1351.	0.6	15
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