

David C Apperley

List of Publications by Year in descending order

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203
papers

8,651
citations

46984

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58549

82
g-index

210
all docs

210
docs citations

210
times ranked

9637
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructure of cellulose microfibrils in spruce wood. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1195-203.	3.3	597
2	Poly(ethylene-co-tetrafluoroethylene)-Derived Radiation-Grafted Anion-Exchange Membrane with Properties Specifically Tailored for Application in Metal-Cation-Free Alkaline Polymer Electrolyte Fuel Cells. Chemistry of Materials, 2007, 19, 2686-2693.	3.2	371
3	Structure of Cellulose Microfibrils in Primary Cell Walls from Collenchyma. Plant Physiology, 2012, 161, 465-476.	2.3	268
4	High performance aliphatic-heterocyclic benzyl-quaternary ammonium radiation-grafted anion-exchange membranes. Energy and Environmental Science, 2016, 9, 3724-3735.	15.6	215
5	High Reactivity of Metal-Organic Frameworks under Grinding Conditions: Parallels with Organic Molecular Materials. Angewandte Chemie - International Edition, 2010, 49, 3916-3919.	7.2	183
6	Structural Details of Crystalline Cellulose from Higher Plants. Biomacromolecules, 2004, 5, 1333-1339.	2.6	179
7	Synthesis, Structure, and Reactivity of Anionic sp^2 - sp^3 Diboron Compounds: Readily Accessible Boryl Nucleophiles. Chemistry - A European Journal, 2015, 21, 7082-7098.	1.7	175
8	Conformational features of crystal-surface cellulose from higher plants. Plant Journal, 2002, 30, 721-731.	2.8	156
9	Synthesis and Characterization of a Rhodium(I) η^5 -Alkane Complex in the Solid State. Science, 2012, 337, 1648-1651.	6.0	131
10	Investigations into the conversion of ethanol into 1,3-butadiene. Catalysis Science and Technology, 2011, 1, 267.	2.1	129
11	Fine structure in cellulose microfibrils: NMR evidence from onion and quince. Plant Journal, 1998, 16, 183-190.	2.8	124
12	Microfibril diameter in celery collenchyma cellulose: X-ray scattering and NMR evidence. Cellulose, 2007, 14, 235-246.	2.4	121
13	Spectroscopic and Structural Characterization of the CyNHC Adduct of B_2pin_2 in Solution and in the Solid State. Journal of Organic Chemistry, 2012, 77, 785-789.	1.7	121
14	Solid state ^{29}Si NMR studies of apatite-type oxide ion conductors. Journal of Materials Chemistry, 2006, 16, 1410.	6.7	118
15	One-pot two-step mechanochemical synthesis: ligand and complex preparation without isolating intermediates. Green Chemistry, 2014, 16, 1374-1382.	4.6	118
16	Structural Studies of the Polymorphs of Carbamazepine, Its Dihydrate, and Two Solvates. Organic Process Research and Development, 2005, 9, 902-910.	1.3	117
17	Direct structure elucidation by powder X-ray diffraction of a metal-organic framework material prepared by solvent-free grinding. Chemical Communications, 2010, 46, 7572.	2.2	107
18	Variability in oxidative degradation of charcoal: Influence of production conditions and environmental exposure. Geochimica Et Cosmochimica Acta, 2011, 75, 2361-2378.	1.6	104

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19	Chain conformation in concentrated pectic gels: evidence from ¹³ C NMR. Carbohydrate Research, 1995, 275, 131-145.	1.1	103
20	Supramolecular organolead(IV) and -tin(IV) systems [(Me ₃ EIV) ₃ MIII(CN) ₆]. <i>infin.</i> (E = Pb or Sn, M = Co or Tl) <i>ETQq0 0 0 rgBT /Overlock 1</i> Organometallics, 1992, 11, 1718-1726.	1.1	101
21	Effect of Ga incorporation on the structure and Li ion conductivity of La ₃ Zr ₂ Li ₇ O ₁₂ . Dalton Transactions, 2012, 41, 12048.	1.6	96
22	The Determination of the Crystal Structure of Anhydrous Theophylline by X-ray Powder Diffraction with a Systematic Search Algorithm, Lattice Energy Calculations, and ¹³ C and ¹⁵ N Solid-State NMR: A Question of Polymorphism in a Given Unit Cell. Journal of Physical Chemistry B, 2001, 105, 5818-5826.	1.2	92
23	Zinc(II) Homogeneous and Heterogeneous Species and Their Application for the Ring-Opening Polymerisation of <i>rac</i> - ϵ -Lactide. European Journal of Inorganic Chemistry, 2009, 2009, 635-642.	1.0	91
24	The composition of nanoparticulate mackinawite, tetragonal iron(II) monosulfide. Chemical Geology, 2006, 235, 286-298.	1.4	89
25	Sulfathiazole polymorphism studied by magic-angle spinning NMR. Journal of Pharmaceutical Sciences, 1999, 88, 1275-1280.	1.6	83
26	Influence of production variables and starting material on charcoal stable isotopic and molecular characteristics. Geochimica Et Cosmochimica Acta, 2008, 72, 6090-6102.	1.6	83
27	Superbasicity of a Bis-guanidino Compound with a Flexible Linker: A Theoretical and Experimental Study. Journal of the American Chemical Society, 2009, 131, 16858-16868.	6.6	79
28	Thermal conversion of a layered (Mg/Al) double hydroxide to the oxide. Journal of Materials Chemistry, 1995, 5, 323.	6.7	70
29	Investigations into the conversion of ethanol to 1,3-butadiene using MgO:SiO ₂ supported catalysts. Catalysis Communications, 2014, 49, 25-28.	1.6	70
30	The alkali stability of radiation-grafted anion-exchange membranes containing pendent 1-benzyl-2,3-dimethylimidazolium head-groups. RSC Advances, 2013, 3, 579-587.	1.7	69
31	Conformation and mobility of the arabinan and galactan side-chains of pectin. Phytochemistry, 2005, 66, 1817-1824.	1.4	68
32	A comparison of the molecular weights of polyaniline samples obtained from gel permeation chromatography and solid state ¹⁵ N n.m.r. spectroscopy. Polymer, 1993, 34, 328-332.	1.8	67
33	Towards organometallic zeolites: Spontaneous self-assembly of Et ₃ SnCN, CuCN and (nBu ₄ N)CN to supramolecular [(nBu ₄ N)(Et ₃ Sn) ₂ Cu(CN) ₄]. Journal of Organometallic Chemistry, 1994, 475, 85-94.	0.8	67
34	NMR study of desmotropy in Irbesartan, a tetrazole-containing pharmaceutical compound. Journal of the Chemical Society Perkin Transactions II, 1998, , 475-482.	0.9	64
35	Effect of oxygen content on the ²⁹ Si NMR, Raman spectra and oxide ion conductivity of the apatite series, La _{8+x} Sr ₂ (SiO ₄) ₆ O _{2+x/2} . Dalton Transactions, 2008, , 5296.	1.6	64
36	Oxyanion doping strategies to enhance the ionic conductivity in Ba ₂ In ₂ O ₅ . Journal of Materials Chemistry, 2011, 21, 874-879.	6.7	63

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37	Characterisation of indomethacin and nifedipine using variable-temperature solid-state NMR. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 881-892.	1.1	61
38	Direct Observation of Cell Wall Structure in Living Plant Tissues by Solid-State ¹³ C NMR Spectroscopy. <i>Plant Physiology</i> , 1990, 92, 61-65.	2.3	59
39	Zinc(II) Silsesquioxane Complexes and Their Application for the Ring-Opening Polymerization of ϵ -Lactide. <i>Inorganic Chemistry</i> , 2010, 49, 10232-10234.	1.9	56
40	α -[[(CoCp) ₂] ⁺ , Fe(η -4-CNSnMe ₃ NC) ₃]: A Purely Organometallic Channel Inclusion Compound. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1197-1199.	4.4	54
41	Cleavage of Ru ₃ (CO) ₁₂ by N-Heterocyclic Carbenes: Isolation of cis- and trans-Ru(NHC) ₂ (CO) ₃ and Reaction with O ₂ To Form Ru(NHC) ₂ (CO) ₂ (CO ₃). <i>Organometallics</i> , 2008, 27, 100-108.	1.1	54
42	Nuclear Magnetic Resonance Studies of Silicon Carbide Polytypes. <i>Journal of the American Ceramic Society</i> , 1991, 74, 777-782.	1.9	52
43	Trivalent lanthanide lacunary phosphomolybdate complexes: a structural and spectroscopic study across the series [Ln(PMo ₁₁ O ₃₉) ₂] ¹¹⁻ . <i>Dalton Transactions</i> , 2005, , 1256.	1.6	52
44	Structure of cellulose-deficient secondary cell walls from the <i>irx3</i> mutant of <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2002, 61, 7-14.	1.4	51
45	Efficient, Scalable, and Solvent-free Mechanochemical Synthesis of the OLED Material Alq ₃ (q = 8-Hydroxyquinolate). <i>Crystal Growth and Design</i> , 2012, 12, 5869-5872.	1.4	51
46	Bridging $\text{M} \cdots \text{Cl}$ Bonds with Ambiphilic Phosphine-Borane Ligands. <i>Chemistry - an Asian Journal</i> , 2009, 4, 428-435.	1.7	50
47	Structural Features, Phase Relationships and Transformation Behavior of the Polymorphs α -VI of Phenobarbital. <i>Crystal Growth and Design</i> , 2010, 10, 302-313.	1.4	50
48	The efficiency of charcoal decontamination for radiocarbon dating by three pre-treatments α - ABOX, ABA and hypy. <i>Quaternary Geochronology</i> , 2014, 22, 25-32.	0.6	50
49	Kanemite (NaHSi ₂ O ₅ ·3H ₂ O) and its hydrogen-exchanged form. <i>Journal of Materials Chemistry</i> , 1995, 5, 577-582.	6.7	48
50	Architecture of the organometallic ion exchangers [(Me ₃ SnIV) ₄ MII(CN) ₆] $\cdot n$ (M = Fe, Ru, Os): a combined multinuclear solid-state magnetic resonance and infrared/Raman spectroscopic study. <i>Organometallics</i> , 1993, 12, 3232-3240.	1.1	47
51	Polymer-bound osmium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 1997, 120, 197-205.	4.8	47
52	Chemoenzymatic synthesis of chiral 4,4'-bipyridyls and their metal-organic frameworks. <i>Chemical Communications</i> , 2008, , 5538.	2.2	46
53	Tin-chlorine coupling in magic-angle spinning N.M.R. spectra. <i>Molecular Physics</i> , 1989, 68, 1277-1286.	0.8	44
54	Molecular Modeling, Multinuclear NMR, and Diffraction Studies in the Templated Synthesis and Characterization of the Aluminophosphate Molecular Sieve STA-2. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12698-12710.	1.5	44

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55	High-resolution solid-state tin-119 and carbon-13 NMR studies of novel organotin(IV) coordination polymers involving R ₃ Sn and M(CN) _m fragments. <i>Organometallics</i> , 1990, 9, 2672-2676.	1.1	43
56	Studies on the Crystallinity of a Pharmaceutical Development Drug Substance. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1321-1335.	1.6	43
57	Synthesis and structural characterisation of the Li ion conducting garnet-related systems, Li ₆ Al ₂ Nb ₂ O ₁₂ (A=Ca, Sr). <i>Solid State Ionics</i> , 2008, 179, 1693-1696.	1.3	42
58	Silicon Doping in Ba ₂ In ₂ O ₅ : Example of a Beneficial Effect of Silicon Incorporation on Oxide Ion/Proton Conductivity. <i>Chemistry of Materials</i> , 2010, 22, 5945-5948.	3.2	42
59	Speciation of chloroindate(III) ionic liquids. <i>Dalton Transactions</i> , 2010, 39, 8679.	1.6	42
60	Silicoaluminophosphate Molecular Sieves STA-7 and STA-14 and Their Structure-Dependent Catalytic Performance in the Conversion of Methanol to Olefins. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15731-15741.	1.5	41
61	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30185-30196.	4.0	41
62	Groth's Original Concomitant Polymorphs Revisited. <i>Crystal Growth and Design</i> , 2005, 5, 2197-2209.	1.4	40
63	Plasma-Enhanced Chemical Vapor Deposition of Organosilicon Materials: A Comparison of Hexamethyldisilane and Tetramethylsilane Precursors. <i>Macromolecules</i> , 1996, 29, 1705-1710.	2.2	39
64	Tetravalent Metal Complexation by Keggin and Lacunary Phosphomolybdate Anions. <i>Inorganic Chemistry</i> , 2008, 47, 5787-5798.	1.9	39
65	Group 14 Metal Terminal Phosphides: Correlating Structure with χ_{MP} . <i>Inorganic Chemistry</i> , 2012, 51, 9403-9415.	1.9	39
66	Identification of the hydrate gel phases present in phosphate-modified calcium aluminate binders. <i>Cement and Concrete Research</i> , 2015, 70, 21-28.	4.6	39
67	Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Bi ³⁺ -P Through-space Coupling. <i>Chemistry - A European Journal</i> , 2019, 25, 4017-4024.	1.7	39
68	Cu(II) homogeneous and heterogeneous catalysts for the asymmetric Henry reaction. <i>Journal of Molecular Catalysis A</i> , 2010, 325, 8-14.	4.8	38
69	Characterisation of Ba(OH) ₂ ·Na ₂ SO ₄ blast furnace slag cement-like composites for the immobilisation of sulfate bearing nuclear wastes. <i>Cement and Concrete Research</i> , 2014, 66, 64-74.	4.6	38
70	Conformational Polymorphism in Oxybuprocaine Hydrochloride. <i>Crystal Growth and Design</i> , 2008, 8, 44-56.	1.4	37
71	Synthesis of nanoporous aluminosilicate materials and their application as highly selective heterogeneous catalysts for the synthesis of β ² -amino alcohols. <i>Journal of Molecular Catalysis A</i> , 2010, 329, 57-63.	4.8	37
72	Alkaline ionomer with tuneable water uptakes for electrochemical energy technologies. <i>Energy and Environmental Science</i> , 2011, 4, 4925.	15.6	36

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73	Correlations between ²⁷ Al magic-angle spinning nuclear magnetic resonance spectra and the coordination geometry of framework aluminates. <i>Solid State Nuclear Magnetic Resonance</i> , 1994, 3, 103-106.	1.5	34
74	A solid-state NMR study of molecular mobility and phase separation in co-spray-dried protein-sugar particles. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 25, 105-112.	1.9	34
75	Nuclear magnetic resonance investigation of the interaction of water vapor with sildenafil citrate in the solid state. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 516-523.	1.6	33
76	Synthesis and characterization of zeotype ANA framework by hydrothermal reaction of natural clinker. <i>Fuel</i> , 2009, 88, 272-281.	3.4	33
77	Crystal Polymorphs of Barbitol: News about a Classic Polymorphic System. <i>Molecular Pharmaceutics</i> , 2014, 11, 338-350.	2.3	32
78	Plasma polymerization of tetramethylsilane. <i>Chemistry of Materials</i> , 1993, 5, 1676-1682.	3.2	30
79	New Solvates of an Old Drug Compound (Phenobarbital): Structure and Stability. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3267-3280.	1.2	30
80	Characterization of Two Distinct Amorphous Forms of Valsartan by Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2016, 13, 211-222.	2.3	30
81	Conversion of levulinic acid to levulinate ester biofuels by heterogeneous catalysts in the presence of acetals and ketals. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120219.	10.8	30
82	The crystal engineering of radiation-sensitive diacetylene cocrystals and salts. <i>Chemical Science</i> , 2020, 11, 8025-8035.	3.7	29
83	Characterization of and Structural Insight into Struvite-K, MgKPO ₄ ·6H ₂ O, an Analogue of Struvite. <i>Inorganic Chemistry</i> , 2021, 60, 195-205.	1.9	29
84	²⁹ Si, ²⁷ Al and ¹⁵ N magic-angle spinning nuclear magnetic resonance study of O ²⁻ -sialons and some related phases. <i>Journal of Materials Chemistry</i> , 1992, 2, 433-438.	6.7	28
85	Polymer mobility in cell walls of transgenic tomatoes with reduced polygalacturonase activity. <i>Phytochemistry</i> , 1996, 42, 301-307.	1.4	28
86	Crystal structure of triphenylphosphine sulfide diiodine; the first crystallographically characterised 1:1 molecular charge-transfer complex of a tertiary phosphine sulfide with diiodine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1289-1292.	1.1	28
87	Exploiting Non-Innocent Ligands to Prepare Masked Palladium(0) Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7040-7044.	7.2	28
88	Polymer mobility in cell walls of cucumber hypocotyls. <i>Phytochemistry</i> , 1999, 51, 17-22.	1.4	27
89	CP-MAS NMR of highly mobile hydrated biopolymers: polysaccharides of <i>Allium</i> cell walls. <i>Carbohydrate Research</i> , 1996, 288, 15-23.	1.1	27
90	Solid-State ¹⁹⁹ Hg MAS NMR Studies of Mercury(II) Thiocyanate Complexes and Related Compounds. Crystal Structure of Hg(SeCN) ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 1734-1743.	1.9	26

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91	Fluorine-19 solid-state NMR investigation of regiodefective semicrystalline $\hat{I}\pm$ -poly(vinylidene fluoride). <i>Polymer</i> , 2003, 44, 643-651.	1.8	26
92	Synthesis and catalytic activity of nanoporous aluminosilicate materials. <i>Journal of Molecular Catalysis A</i> , 2009, 314, 10-14.	4.8	26
93	CP-MAS NMR of highly mobile hydrated biopolymers: Polysaccharides of <i>Allium</i> cell walls. <i>Carbohydrate Research</i> , 1996, 288, 15-23.	1.1	25
94	NMR characterisation of dynamics in solvates and desolvates of formoterol fumarate. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6422.	1.3	25
95	Understanding the structure directing action of copper \hat{e} polyamine complexes in the direct synthesis of Cu-SAPO-34 and Cu-SAPO-18 catalysts for the selective catalytic reduction of NO with NH ₃ . <i>Microporous and Mesoporous Materials</i> , 2015, 215, 154-167.	2.2	25
96	Characterising the role of water in sildenafil citrate by NMR crystallography. <i>CrystEngComm</i> , 2016, 18, 1054-1063.	1.3	25
97	Quantitative nuclear magnetic resonance analysis of solid formoterol fumarate and its dihydrate. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 2487-2494.	1.6	24
98	A comparison of siliceous faujasitic zeolites produced by direct synthesis or by secondary synthesis. <i>The Journal of Physical Chemistry</i> , 1991, 95, 8826-8831.	2.9	23
99	¹³ C-NMR spectra of <i>Lycopodium clavatum</i> sporopollenin and oxidatively polymerised \hat{I}^2 -carotene. <i>Grana</i> , 1996, 35, 125-127.	0.4	23
100	Solid State Dehydration Processes: \hat{e} Mechanism of Water Loss from Crystalline Inosine Dihydrate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5341-5347.	1.2	23
101	High-resolution solid-state ¹³ C and ²⁹ Si NMR investigations of the dynamic properties of tetrakis(trimethylsilyl)silane. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 251.	2.0	22
102	Unprecedented N-E Bond Cleavage (E=Sn, Pb) by R ₄ N ⁺ Ions (R=nBu, nPr): Formation, Architecture, and Multinuclear Magnetic Resonance Spectroscopy of Novel Supramolecular [(R ₄ N)(Me ₃ E)2M(CN) ₆ ...H ₂ O] Assemblies (M=Fe, Co). <i>Chemistry - A European Journal</i> , 1998, 4, 919-926.	1.7	22
103	Spatial relationships between polymers in Sitka spruce: Proton spin-diffusion studies. <i>Holzforschung</i> , 2006, 60, 665-673.	0.9	22
104	Heterogeneous catalysts for the controlled ring-opening polymerisation of rac-lactide and homogeneous silsesquioxane model complexes. <i>Dalton Transactions</i> , 2008, , 3655.	1.6	22
105	NMR crystallography \hat{e} Three polymorphs of phenobarbital. <i>Canadian Journal of Chemistry</i> , 2011, 89, 770-778.	0.6	22
106	Synthesis and characterization of proton conducting oxyanion doped Ba ₂ Sc ₂ O ₅ . <i>Dalton Transactions</i> , 2012, 41, 261-266.	1.6	22
107	Computation of magnetic shielding to simultaneously validate a crystal structure and assign a solid-state NMR spectrum. <i>Journal of Molecular Structure</i> , 2012, 1015, 192-201.	1.8	22
108	Template-Driven Syntheses of Polymeric Metal Cyanides: A Chiral Nanoporous Host for thenBu ₄ N ⁺ Ion. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1525-1527.	4.4	21

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109	Novel organotin-functionalized, polymeric transition metal cyanides: From Me ₃ Sn- to Me ₂ Sn(CH ₂) ₃ SnMe ₂ spacers. <i>Journal of Organometallic Chemistry</i> , 1997, 534, 187-194.	0.8	21
110	Solid-state ¹⁰⁹ Ag CP/MAS NMR spectroscopy of some diammine silver(I) complexes. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 819-826.	1.1	21
111	Solid-state NMR studies of some tin(II) compounds. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 26, 160-171.	1.5	21
112	Na ⁺ mobility in sodium strontium silicate fast ion conductors. <i>Chemical Communications</i> , 2015, 51, 17163-17165.	2.2	21
113	The organometallic double metal cyanide [(Me ₂ Sn) ₃ {Co(CN) ₆ } ₂ ·6H ₂ O]. A three-dimensional framework of infinite, stapled ribbons. <i>Journal of Organometallic Chemistry</i> , 2000, 604, 34-42.	0.8	20
114	An investigation of the high temperature reaction between the apatite oxide ion conductor La _{0.933} Si _{0.6} O ₂₆ and NH ₃ . <i>Journal of Materials Chemistry</i> , 2009, 19, 749-754.	6.7	20
115	Self-assembly of [Cu(CN) ₄] ³⁻ ions with cationic {Me ₃ Sn} ⁺ or {Me ₂ Sn(CH ₂) ₃ SnMe ₂ } ²⁺ fragments in the presence of a nBu ₄ N ⁺ template. <i>Journal of Organometallic Chemistry</i> , 2001, 621, 254-260.	0.8	19
116	The effect of uranium oxide additions on the structure of alkali borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 378, 282-289.	1.5	19
117	Nanoporous alumino- and borosilicate-mediated Meinwald rearrangement of epoxides. <i>Applied Catalysis A: General</i> , 2015, 493, 17-24.	2.2	19
118	Oxygen/nitrogen ordering in yttrium nitrogen melilite. <i>Journal of Materials Chemistry</i> , 1996, 6, 1031-1034.	6.7	18
119	Synthesis and Properties of Hydrogen-Free Detonation Diamond. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 39-45.	1.0	18
120	Tweaking the Charge Transfer: Bonding Analysis of Bismuth(III) Complexes with a Flexidentate Phosphane Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 8916-8924.	1.9	18
121	Motion in solid organotin(IV) coordination polymers: a two-dimensional exchange magic angle spinning ¹³ C NMR study. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 740.	2.0	17
122	Structural investigation of YAM-type yttrium silicon oxynitride by ¹⁵ N magic-angle spinning nuclear magnetic resonance. <i>Journal of Materials Chemistry</i> , 1993, 3, 1005.	6.7	17
123	[(CoCp) ₂], Fe(¼)CNSnMe ₃ NC ₃ : eine reine Organometallkanaleinschlussverbindung. <i>Angewandte Chemie</i> , 1995, 107, 1311-1313.	1.6	17
124	[Ni(CN) ₂ ·2Me ₃ SnCN·(nBu ₄ N)OH]: a layered, supramolecular assembly containing the earlier described, macrocyclic building block [(Me ₃ Sn) ₂ OH] ₂ {¼-(NC) ₂ Ni(CN) ₂ } ₂ . <i>Inorganic Chemistry Communication</i> , 1998, 1, 346-349.	1.8	17
125	Vibrational, ³¹ P NMR and crystallographic studies of diiodine adducts of some bidentate tertiary phosphine sulfides. <i>Polyhedron</i> , 2001, 20, 1907-1913.	1.0	17
126	Surface analysis of novel hydroxyapatite bioceramics containing titanium(IV) and fluoride. <i>Journal of Materials Chemistry</i> , 2005, 15, 1626.	6.7	17

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127	Dehydrative Etherification Reactions of Glycerol with Alcohols Catalyzed by Recyclable Nanoporous Aluminosilicates: Telescoped Routes to Glyceryl Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 835-843.	3.2	17
128	Natural abundance high-resolution solid state ² H NMR spectroscopy. <i>Chemical Physics Letters</i> , 1994, 226, 193-198.	1.2	16
129	The catalytically active conformation of cyclo-[(S)-His-(S)-Phe] as determined by solid state NMR. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1869-1872.	1.8	16
130	A solid-state NMR study of cellulose degradation. <i>Cellulose</i> , 1996, 3, 77-90.	2.4	16
131	Solid-State ¹⁹⁹ Hg MAS NMR and Vibrational Spectroscopic Studies of Dimercury(I) Compounds. <i>Inorganic Chemistry</i> , 1999, 38, 4956-4962.	1.9	16
132	Concise syntheses of tridentate PNE ligands and their coordination chemistry with palladium(ii) : a solution- and solid-state study. <i>Dalton Transactions</i> , 2006, , 4134.	1.6	16
133	Preparation of high-oxygen-content apatite silicates through Ti-doping: effect of Ti-doping on the oxide ion conductivity. <i>Journal of Materials Chemistry</i> , 2009, 19, 5003.	6.7	16
134	Assessment of oxygen plasma ashing as a pre-treatment for radiocarbon dating. <i>Quaternary Geochronology</i> , 2010, 5, 435-442.	0.6	16
135	Structure Determination from Powder X-ray Diffraction Data of a New Polymorph of a High-Density Organic Hydrate Material, with an Assessment of Hydrogen-Bond Disorder by Rietveld Refinement. <i>Crystal Growth and Design</i> , 2011, 11, 5192-5199.	1.4	16
136	Second-order quadrupolar effects on NMR spectra of nuclei in solids, transmitted by dipolar coupling. compounds containing. <i>Journal of Magnetic Resonance</i> , 1992, 96, 119-130.	0.5	15
137	¹³ C CP-MAS NMR spectra of tropical hardwoods. <i>Polymer International</i> , 1995, 36, 247-259.	1.6	15
138	On the nature of boron-carbon-nitrogen compounds synthesised from organic precursors. <i>Journal of Alloys and Compounds</i> , 1995, 227, 102-108.	2.8	15
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