

David C Apperley

List of Publications by Year in descending order

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203
papers

8,651
citations

47006

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210
docs citations

210
times ranked

9637
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of the dynamics and structure of the dielectric anomaly within the molecular solid TEA(TCNQ) ₂ . Physical Chemistry Chemical Physics, 2022, 24, 7481-7492.	2.8	2
2	Characterization of and Structural Insight into Struvite-K, MgKPO ₄ ·6H ₂ O, an Analogue of Struvite. Inorganic Chemistry, 2021, 60, 195-205.	4.0	29
3	Alkali Metal Salts of 10,12-Pentacosadiynoic Acid and Their Dosimetry Applications. Crystal Growth and Design, 2021, 21, 2416-2422.	3.0	5
4	Conversion of levulinic acid to levulinate ester biofuels by heterogeneous catalysts in the presence of acetals and ketals. Applied Catalysis B: Environmental, 2021, 293, 120219.	20.2	30
5	Symmetry and the Role of the Anion Sublattice in Aurivillius Oxyfluoride Bi ₂ TiO ₄ F ₂ . Inorganic Chemistry, 2021, 60, 14105-14115.	4.0	8
6	Pharmaceutical organic salt: Disordered crystal structure of levofloxacin with 1 ³ -resorcylic acid. European Journal of Chemistry, 2021, 12, 323-328.	0.6	3
7	Derisking the Polymorph Landscape: The Complex Polymorphism of Mexiletine Hydrochloride. Crystal Growth and Design, 2021, 21, 7150-7167.	3.0	12
8	Framework Effects on Activation and Functionalisation of Methane in Zinc-Exchanged Zeolites. ChemPhysChem, 2020, 21, 673-679.	2.1	9
9	The crystal engineering of radiation-sensitive diacetylene cocrystals and salts. Chemical Science, 2020, 11, 8025-8035.	7.4	29
10	The influence of intrapore cation on the fluorination of zeolite Y. Microporous and Mesoporous Materials, 2020, 307, 110470.	4.4	2
11	Thermal Evolution of Natural Layered Double Hydroxides: Insight from Quintinite, Hydrotalcite, Stichtite, and Iowaite as Reference Samples for CO ₃ - and Cl-Members of the Hydrotalcite Supergroup. Minerals (Basel, Switzerland), 2020, 10, 961.	2.0	8
12	A One-Pot Divergent Sequence to Pyrazole and Quinoline Derivatives. Molecules, 2020, 25, 2160.	3.8	4
13	Tweaking the Charge Transfer: Bonding Analysis of Bismuth(III) Complexes with a Flexidentate Phosphane Ligand. Inorganic Chemistry, 2020, 59, 8916-8924.	4.0	18
14	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 30185-30196.	8.0	41
15	Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Bi ³⁺ P Through-space Coupling. Chemistry - A European Journal, 2019, 25, 4017-4024.	3.3	39
16	Temperature-Dependent Structural Properties, Phase Transition Behavior, and Dynamic Properties of a Benzene Derivative in the Solid State. Crystal Growth and Design, 2019, 19, 2155-2162.	3.0	2
17	Frontispiece: Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Bi ³⁺ P Through-space Coupling. Chemistry - A European Journal, 2019, 25, .	3.3	0
18	New Insight into Mixing Fluoride and Chloride in Bioactive Silicate Glasses. Scientific Reports, 2018, 8, 1316.	3.3	12

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19	A Molecular Budget for a Peatland Based Upon ¹³ C Solid-State Nuclear Magnetic Resonance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 547-560.	3.0	11
20	The Role of Catalyst Support, Diluent and Co-Catalyst in Chromium-Mediated Heterogeneous Ethylene Trimerisation. <i>Topics in Catalysis</i> , 2018, 61, 213-224.	2.8	8
21	Solid state ¹³ C NMR spectroscopy provides direct evidence for reaction between ethinyl estradiol and a silicone elastomer vaginal ring drug delivery system. <i>International Journal of Pharmaceutics</i> , 2018, 548, 689-697.	5.2	11
22	Dynamics of Charcoal Alteration in a Tropical Biome: A Biochar-Based Study. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	9
23	Tin and Lead Phosphanido Complexes: Reactivity with Chalcogens. <i>Inorganic Chemistry</i> , 2017, 56, 14831-14841.	4.0	6
24	High performance aliphatic-heterocyclic benzyl-quaternary ammonium radiation-grafted anion-exchange membranes. <i>Energy and Environmental Science</i> , 2016, 9, 3724-3735.	30.8	215
25	Stray-field NMR diffusion q-space diffraction imaging of monodisperse coarsening foams. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 20-28.	9.4	4
26	Characterising the role of water in sildenafil citrate by NMR crystallography. <i>CrystEngComm</i> , 2016, 18, 1054-1063.	2.6	25
27	Characterization of Two Distinct Amorphous Forms of Valsartan by Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2016, 13, 211-222.	4.6	30
28	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.	6.7	17
29	Frontispiece: Synthesis, Structure, and Reactivity of Anionic sp ² -sp ³ Diboron Compounds: Readily Accessible Boryl Nucleophiles. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
30	Identification of the hydrate gel phases present in phosphate-modified calcium aluminate binders. <i>Cement and Concrete Research</i> , 2015, 70, 21-28.	11.0	39
31	Nanoporous alumino- and borosilicate-mediated Meinwald rearrangement of epoxides. <i>Applied Catalysis A: General</i> , 2015, 493, 17-24.	4.3	19
32	Understanding the structure directing action of copper-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.	4.4	25
33	Exploiting Powder X-ray Diffraction to Establish the Solvent-Assisted Solid-State Supramolecular Assembly of Pillar[5]quinone. <i>Crystal Growth and Design</i> , 2015, 15, 1583-1587.	3.0	15
34	Synthesis, Structure, and Reactivity of Anionic sp ² -sp ³ Diboron Compounds: Readily Accessible Boryl Nucleophiles. <i>Chemistry - A European Journal</i> , 2015, 21, 7082-7098.	3.3	175
35	Na ⁺ mobility in sodium strontium silicate fast ion conductors. <i>Chemical Communications</i> , 2015, 51, 17163-17165.	4.1	21
36	Synthesis and Properties of Hydrogen-Free Detonation Diamond. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 39-45.	1.6	18

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37	Investigations into the conversion of ethanol to 1,3-butadiene using MgO:SiO ₂ supported catalysts. <i>Catalysis Communications</i> , 2014, 49, 25-28.	3.3	70
38	Crystal Polymorphs of Barbitol: News about a Classic Polymorphic System. <i>Molecular Pharmaceutics</i> , 2014, 11, 338-350.	4.6	32
39	One-pot two-step mechanochemical synthesis: ligand and complex preparation without isolating intermediates. <i>Green Chemistry</i> , 2014, 16, 1374-1382.	9.0	118
40	Complex thermal expansion properties in a molecular honeycomb lattice. <i>Chemical Communications</i> , 2014, 50, 7601.	4.1	7
41	Nanoporous Aluminosilicate-Mediated Synthesis of Ethers by a Dehydrative Etherification Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 860-866.	6.7	12
42	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.	11.0	38
43	New Solvates of an Old Drug Compound (Phenobarbital): Structure and Stability. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3267-3280.	2.6	30
44	The efficiency of charcoal decontamination for radiocarbon dating by three pre-treatments – ABOX, ABA and hypy. <i>Quaternary Geochronology</i> , 2014, 22, 25-32.	1.4	50
45	The effect of uranium oxide additions on the structure of alkali borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 378, 282-289.	3.1	19
46	NMR characterisation of dynamics in solvates and desolvates of formoterol fumarate. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6422.	2.8	25
47	Catalyst-free synthesis of sodium amide nanoparticles encapsulated in silica gel. <i>Chemical Physics</i> , 2013, 427, 61-65.	1.9	3
48	The alkali stability of radiation-grafted anion-exchange membranes containing pendent 1-benzyl-2,3-dimethylimidazolium head-groups. <i>RSC Advances</i> , 2013, 3, 579-587.	3.6	69
49	Effect of Ga incorporation on the structure and Li ion conductivity of La ₃ Zr ₂ Li ₇ O ₁₂ . <i>Dalton Transactions</i> , 2012, 41, 12048.	3.3	96
50	Synthesis and Characterization of a Rhodium(I) η^5 -Alkane Complex in the Solid State. <i>Science</i> , 2012, 337, 1648-1651.	12.6	131
51	Nanoporous aluminosilicate mediated transacetalization reactions: application in glycerol valorization. <i>Catalysis Science and Technology</i> , 2012, 2, 2258.	4.1	14
52	Spectroscopic and Structural Characterization of the CyNHC Adduct of B ₂ pin ₂ in Solution and in the Solid State. <i>Journal of Organic Chemistry</i> , 2012, 77, 785-789.	3.2	121
53	Group 14 Metal Terminal Phosphides: Correlating Structure with χ_{MP} . <i>Inorganic Chemistry</i> , 2012, 51, 9403-9415.	4.0	39
54	Synthesis, crystallization and characterization of diastereomeric salts formed by ephedrine and malic acid in water. <i>Chemical Engineering Science</i> , 2012, 77, 47-56.	3.8	13

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55	NMR characterisation of structure in solvates and polymorphs of formoterol fumarate. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 680-690.	1.9	14
56	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.	3.0	51
57	Structure of Cellulose Microfibrils in Primary Cell Walls from <i>Collenchyma</i> . <i>Plant Physiology</i> , 2012, 161, 465-476.	4.8	268
58	Synthesis and characterization of proton conducting oxyanion doped $Ba_2Sc_2O_5$. <i>Dalton Transactions</i> , 2012, 41, 261-266.	3.3	22
59	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.	3.6	22
60	Alkaline ionomer with tuneable water uptakes for electrochemical energy technologies. <i>Energy and Environmental Science</i> , 2011, 4, 4925.	30.8	36
61	An investigation of the nature and reactivity of the carbonaceous species deposited on mordenite by reaction with methanol. <i>Catalysis Science and Technology</i> , 2011, 1, 932.	4.1	10
62	NMR crystallography – Three polymorphs of phenobarbital. <i>Canadian Journal of Chemistry</i> , 2011, 89, 770-778.	1.1	22
63	Investigations into the conversion of ethanol into 1,3-butadiene. <i>Catalysis Science and Technology</i> , 2011, 1, 267.	4.1	129
64	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.	3.0	16
65	Oxyanion doping strategies to enhance the ionic conductivity in $Ba_2In_2O_5$. <i>Journal of Materials Chemistry</i> , 2011, 21, 874-879.	6.7	63
66	Variability in oxidative degradation of charcoal: Influence of production conditions and environmental exposure. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2361-2378.	3.9	104
67	Nanostructure of cellulose microfibrils in spruce wood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1195-203.	7.1	597
68	Zinc(II) Silsesquioxane Complexes and Their Application for the Ring-Opening Polymerization of ϵ -Lactide. <i>Inorganic Chemistry</i> , 2010, 49, 10232-10234.	4.0	56
69	High Reactivity of Metal-Organic Frameworks under Grinding Conditions: Parallels with Organic Molecular Materials. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3916-3919.	13.8	183
70	Exploiting Non-Innocent Ligands to Prepare Masked Palladium(0) Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7040-7044.	13.8	28
71	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
72	Synthesis of nanoporous aluminosilicate materials and their application as highly selective heterogeneous catalysts for the synthesis of β -amino alcohols. <i>Journal of Molecular Catalysis A</i> , 2010, 329, 57-63.	4.8	37

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73	Direct structure elucidation by powder X-ray diffraction of a metal-organic framework material prepared by solvent-free grinding. <i>Chemical Communications</i> , 2010, 46, 7572.	4.1	107
74	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.	6.7	42
75	Structural Features, Phase Relationships and Transformation Behavior of the Polymorphs of Phenobarbital. <i>Crystal Growth and Design</i> , 2010, 10, 302-313.	3.0	50
76	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.	3.1	44
77	Assessment of oxygen plasma ashing as a pre-treatment for radiocarbon dating. <i>Quaternary Geochronology</i> , 2010, 5, 435-442.	1.4	16
78	Speciation of chloroindate(iii) ionic liquids. <i>Dalton Transactions</i> , 2010, 39, 8679.	3.3	42
79	Zinc(II) Homogeneous and Heterogeneous Species and Their Application for the Ring-Opening Polymerisation of <i>rac</i> -lactide. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 635-642.	2.0	91
80	From Cyclic Iminophosphanes to Conjugated Materials. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9109-9113.	13.8	12
81	Synthesis and catalytic activity of nanoporous aluminosilicate materials. <i>Journal of Molecular Catalysis A</i> , 2009, 314, 10-14.	4.8	26
82	Synthesis and characterization of zeotype ANA framework by hydrothermal reaction of natural clinker. <i>Fuel</i> , 2009, 88, 272-281.	6.4	33
83	Formation of apatite oxynitrides by the reaction between apatite-type oxide ion conductors, La _{8+x} Sr ₂ (Si/Ge) ₆ O _{26+x/2} , and ammonia. <i>Journal of Solid State Chemistry</i> , 2009, 182, 3294-3298.	2.9	14
84	Bridging M-Cl Bonds with Ambiphilic Phosphine-Borane Ligands. <i>Chemistry - an Asian Journal</i> , 2009, 4, 428-435.	3.3	50
85	Superbasicity of a Bis-guanidino Compound with a Flexible Linker: A Theoretical and Experimental Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 16858-16868.	13.7	79
86	An Efficient Method for ¹⁵ N-Labeling of Chitin in Fungi. <i>Biomacromolecules</i> , 2009, 10, 793-797.	5.4	9
87	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.	3.1	41
88	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
89	The influence of humidity on the protective performance of a membrane based on poly(vinyl alcohol). <i>Journal of Materials Chemistry</i> , 2009, 19, 7897.	6.7	4
90	An investigation of the high temperature reaction between the apatiteoxide ion conductor La _{9.33} Si ₆ O ₂₆ and NH ₃ . <i>Journal of Materials Chemistry</i> , 2009, 19, 749-754.	6.7	20

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91	A Truly Multifunctional Heterocycle: Iminophosphorane, N,Pâ€¦Chelate, and Dihydropyridine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8674-8677.	13.8	13
92	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.	2.7	42
93	Tetravalent Metal Complexation by Keggin and Lacunary Phosphomolybdate Anions. <i>Inorganic Chemistry</i> , 2008, 47, 5787-5798.	4.0	39
94	Chemoenzymatic synthesis of chiral 4,4â€²-bipyridyls and their metalâ€”organic frameworks. <i>Chemical Communications</i> , 2008, , 5538.	4.1	46
95	Heterogeneous catalysts for the controlled ring-opening polymerisation of rac-lactide and homogeneous silsesquioxane model complexes. <i>Dalton Transactions</i> , 2008, , 3655.	3.3	22
96	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.	2.3	54
97	Nanoheterogeneity of a Polymer Blend and the Effect of Humidity as Characterized by Solid-State NMR. <i>Chemistry of Materials</i> , 2008, 20, 287-293.	6.7	3
98	Influence of production variables and starting material on charcoal stable isotopic and molecular characteristics. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6090-6102.	3.9	83
99	Effect of oxygen content on the ²⁹ Si NMR, Raman spectra and oxide ion conductivity of the apatite series, La _{8+x} Sr _{2âˆ’x} (SiO ₄) ₆ O _{2+x/2} . <i>Dalton Transactions</i> , 2008, , 5296.	3.3	64
100	Conformational Polymorphism in Oxybuprocaine Hydrochloride. <i>Crystal Growth and Design</i> , 2008, 8, 44-56.	3.0	37
101	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. <i>Chemistry of Materials</i> , 2007, 19, 2686-2693.	6.7	371
102	Grain boundaries and the influence of the ionophilicâ€”ionophobic balance on ⁷ Li and ¹⁹ F NMR and conductivity in low-dimensional polymer electrolytes with lithium tetrafluoroborate. <i>Electrochimica Acta</i> , 2007, 53, 1444-1454.	5.2	5
103	A study of the chemistry of isomorphous substitution and characterization of Al-ZSM-5 and Sc-ZSM-5 synthesized in fluoride media. <i>Inorganic Materials</i> , 2007, 43, 758-769.	0.8	12
104	Microfibril diameter in celery collenchyma cellulose: X-ray scattering and NMR evidence. <i>Cellulose</i> , 2007, 14, 235-246.	4.9	121
105	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.	3.3	16
106	The composition of nanoparticulate mackinawite, tetragonal iron(II) monosulfide. <i>Chemical Geology</i> , 2006, 235, 286-298.	3.3	89
107	Solid state ²⁹ Si NMR studies of apatite-type oxide ion conductors. <i>Journal of Materials Chemistry</i> , 2006, 16, 1410.	6.7	118
108	Spatial relationships between polymers in Sitka spruce: Proton spin-diffusion studies. <i>Holzforschung</i> , 2006, 60, 665-673.	1.9	22

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109	Conformation and mobility of the arabinan and galactan side-chains of pectin. <i>Phytochemistry</i> , 2005, 66, 1817-1824.	2.9	68
110	High lithium conductivities in weakly-ionophilic low-dimensional block copolymer electrolytes. <i>Electrochimica Acta</i> , 2005, 50, 3815-3826.	5.2	10
111	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.	4.0	34
112	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.	3.3	33
113	Studies on the Crystallinity of a Pharmaceutical Development Drug Substance. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1321-1335.	3.3	43
114	Characterisation of indomethacin and nifedipine using variable-temperature solid-state NMR. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 881-892.	1.9	61
115	Surface analysis of novel hydroxyapatite bioceramics containing titanium(IV) and fluoride. <i>Journal of Materials Chemistry</i> , 2005, 15, 1626.	6.7	17
116	Groth's Original Concomitant Polymorphs Revisited. <i>Crystal Growth and Design</i> , 2005, 5, 2197-2209.	3.0	40
117	Trivalent lanthanide lacunary phosphomolybdate complexes: a structural and spectroscopic study across the series $[\text{Ln}(\text{PMo}_6\text{O}_{19})_2]^{11-}$. <i>Dalton Transactions</i> , 2005, , 1256.	3.3	52
118	Solid State Dehydration Processes: Mechanism of Water Loss from Crystalline Inosine Dihydrate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5341-5347.	2.6	23
119	Structural Studies of the Polymorphs of Carbamazepine, Its Dihydrate, and Two Solvates. <i>Organic Process Research and Development</i> , 2005, 9, 902-910.	2.7	117
120	Solid-state ^{109}Ag CP/MAS NMR spectroscopy of some diammine silver(I) complexes. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 819-826.	1.9	21
121	Solid-state NMR studies of some tin(II) compounds. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 26, 160-171.	2.3	21
122	Oxygen/nitrogen ordering in lanthanum new phase ($\text{La}_3\text{Si}_8\text{N}_{11}\text{O}_4$). <i>Journal of Solid State Chemistry</i> , 2004, 177, 2530-2533.	2.9	7
123	Silicon/aluminum and oxygen/nitrogen ordering in lanthanum β -phase ($\text{La}_3\text{Si}_3\text{Al}_3\text{O}_{12}\text{N}_2$). <i>Journal of Solid State Chemistry</i> , 2004, 177, 2928-2932.	2.9	2
124	Structural Details of Crystalline Cellulose from Higher Plants. <i>Biomacromolecules</i> , 2004, 5, 1333-1339.	5.4	179
125	Quantitative nuclear magnetic resonance analysis of solid formoterol fumarate and its dihydrate. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 2487-2494.	3.3	24
126	Unusually structured organolanthanoid(III) dimers with two chiral, but not strictly equivalent, nitrogen-functionalized alkoxide bridges. <i>Coordination Chemistry Reviews</i> , 2003, 242, 15-31.	18.8	9

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127	Fluorine-19 solid-state NMR investigation of regiodefective semicrystalline $\hat{I}\pm$ -poly(vinylidene fluoride). <i>Polymer</i> , 2003, 44, 643-651.	3.8	26
128	Silica $\hat{\sim}$ Dimethylsiloxane HybridsNon-Hydrolytic Sol $\hat{\sim}$ Gel Synthesis and Characterization by NMR Spectroscopy. <i>Chemistry of Materials</i> , 2002, 14, 983-988.	6.7	13
129	Conformational features of crystal-surface cellulose from higher plants. <i>Plant Journal</i> , 2002, 30, 721-731.	5.7	156
130	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.	2.9	51
131	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. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5818-5826.	2.6	92
132	Vibrational, ^{31}P NMR and crystallographic studies of diiodine adducts of some bidentate tertiary phosphine sulfides. <i>Polyhedron</i> , 2001, 20, 1907-1913.	2.2	17
133	Self-assembly of $[\text{Cu}(\text{CN})_4]^{3-}$ ions with cationic $\{\text{Me}_3\text{Sn}\}^+$ or $\{\text{Me}_2\text{Sn}(\text{CH}_2)_3\text{SnMe}_2\}^{2+}$ fragments in the presence of a $n\text{Bu}_4\text{N}^+$ template. <i>Journal of Organometallic Chemistry</i> , 2001, 621, 254-260.	1.8	19
134	Metathesis Reactions of the super-Prussian Blue Systems $[(\text{Me}_3\text{Sn})_3\text{M}(\text{CN})_6]$ (M=Co, Ir) with, inter alia, Tetrapropylammonium (and -phosphonium) Ions: Crystal Structures of $[(n\text{Pr}_4\text{P})(\text{Me}_3\text{Sn})_2\text{Co}(\text{CN})_6\cdot 2\text{H}_2\text{O}]$ and $[(n\text{Pr}_4\text{N})(\text{Me}_3\text{Sn})_2\text{Ir}(\text{CN})_6\cdot 2\text{H}_2\text{O}]$. <i>Journal of Solid State Chemistry</i> , 2001, 157, 324-338.	2.9	5
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136	Characterization of Oleic Acid and Propranolol Oleate Mesomorphism using ^{13}C Solid-State Nuclear Magnetic Resonance Spectroscopy (SSNMR). <i>Journal of Pharmaceutical Sciences</i> , 2000, 89, 1286-1295.	3.3	13
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