# Ray Dupree

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 186 papers | 7,642 citations | 47 h-index | 78 g-index |
| | | 47006 | 66911 |
| 190 all docs | 190 docs citations | 190 times ranked | 4906 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lead silicate glass structure: New insights from diffraction and modeling of probable lone pair locations. Journal of the American Ceramic Society, 2022, 105, 938-957. | 3.8 | 5 |
| 2 | Structural origin of the weak germanate anomaly in lead germanate glass properties. Journal of the American Ceramic Society, 2022, 105, 1010-1030. | 3.8 | 2 |
| 3 | Synthesis and structural characterisation of solid titanium(<scp>iv</scp>) phosphate materials by means of X-ray absorption and NMR spectroscopy. Dalton Transactions, 2022, 51, 8192-8207. | 3.3 | 6 |
| 4 | Golgi-localized putative S-adenosyl methionine transporters required for plant cell wall polysaccharide methylation. Nature Plants, 2022, 8, 656-669. | 9.3 | 23 |
| 5 | Importance of Water in Maintaining Softwood Secondary Cell Wall Nanostructure. Biomacromolecules, 2021, 22, 4669-4680. | 5.4 | 29 |
| 6 | Toward a Structural Model for the Aluminum Tellurite Glass System. Journal of Physical Chemistry C, 2020, 124, 20516-20529. | 3.1 | 8 |
| 7 | Molecular architecture of softwood revealed by solid-state NMR. Nature Communications, 2019, 10, 4978. | 12.8 | 157 |
| 8 | Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. Nature Communications, 2018, 9, 5125. | 12.8 | 29 |
| 9 | An even pattern of xylan substitution is critical for interaction with cellulose in plant cell walls. Nature Plants, 2017, 3, 859-865. | 9.3 | 204 |
| 10 | Folding of xylan onto cellulose fibrils in plant cell walls revealed by solid-state NMR. Nature Communications, 2016, 7, 13902. | 12.8 | 287 |
| 11 | Amyloid Hydrogen Bonding Polymorphism Evaluated by 15N{17O}REAPDOR Solid-State NMR and Ultra-High Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Biochemistry, 2016, 55, 2065-2068. | 2.5 | 16 |
| 12 | Dynamic Nuclear Polarization enhanced NMR at 187 GHz/284 MHz using an Extended Interaction Klystron amplifier. Journal of Magnetic Resonance, 2016, 265, 77-82. | 2.1 | 25 |
| 13 | Golgi-localized STELLO proteins regulate the assembly and trafficking of cellulose synthase complexes in Arabidopsis. Nature Communications, 2016, 7, 11656. | 12.8 | 110 |
| 14 | Probing the Molecular Architecture of Arabidopsis thaliana Secondary Cell Walls Using Two- and Three-Dimensional <sup>13</sup>C Solid State Nuclear Magnetic Resonance Spectroscopy. Biochemistry, 2015, 54, 2335-2345. | 2.5 | 69 |
| 15 | Vitrification of Î²-tricalcium phosphate in sodium aluminoborophosphate glass and the effect of Ga3+ substitution. Journal of Solid State Chemistry, 2015, 231, 175-184. | 2.9 | 1 |
| 16 | Cation substitution in Î²-tricalcium phosphate investigated using multi-nuclear, solid-state NMR. Journal of Solid State Chemistry, 2014, 212, 227-236. | 2.9 | 28 |
| 17 | Constraints on the incorporation mechanism of chlorine in peralkaline and peraluminous Na2O-CaO-Al2O3-SiO2 glasses. American Mineralogist, 2014, 99, 1713-1723. | 1.9 | 14 |
| 18 | A 3D experiment that provides isotropic homonuclear correlations of half-integer quadrupolar nuclei. Journal of Magnetic Resonance, 2014, 246, 122-129. | 2.1 | 6 |

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| 19 | Fluorine speciation as a function of composition in peralkaline and peraluminous Na2Oâ€“CaOâ€“Al2O3â€“SiO2 glasses: A multinuclear NMR study. Geochimica Et Cosmochimica Acta, 2014, 132, 151-169. | 3.9 | 27 |
| 20 | Spectral assignments and NMR parameterâ€“structure relationships in borates using high-resolution 11B NMR and density functional theory. Physical Chemistry Chemical Physics, 2013, 15, 8208. | 2.8 | 20 |
| 21 | Hydrogen Bonding in Alzheimerâ€™s Amyloidâ€Î² Fibrils Probed by <sup>15</sup>N{<sup>17</sup>O} REAPDOR Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 10289-10292. | 13.8 | 41 |
| 22 | A spectrometer designed for 6.7 and 14.1T DNP-enhanced solid-state MAS NMR using quasi-optical microwave transmission. Journal of Magnetic Resonance, 2012, 215, 1-9. | 2.1 | 44 |
| 23 | Determination of the temperature dependence of the dynamic nuclear polarisation enhancement of water protons at 3.4 Tesla. Physical Chemistry Chemical Physics, 2011, 13, 4372. | 2.8 | 27 |
| 24 | Boron environments in PyrexÂ® glassâ€”a high resolution, Double-Rotation NMR and thermodynamic modelling study. Physical Chemistry Chemical Physics, 2011, 13, 11919. | 2.8 | 29 |
| 25 | High-resolution solid state NMR experiments for the characterization of calcium phosphate biomaterials and biominerals. Journal of Materials Research, 2011, 26, 2355-2368. | 2.6 | 21 |
| 26 | A variable temperature solid-state nuclear magnetic resonance, electron paramagnetic resonance and Raman scattering study of molecular dynamics in ferroelectric fluorides. Journal of Physics Condensed Matter, 2011, 23, 315402. | 1.8 | 4 |
| 27 | Ultra-high resolution 17O solid-state NMR spectroscopy of biomolecules: A comprehensive spectral analysis of monosodium L-glutamateÂ·monohydrate. Physical Chemistry Chemical Physics, 2011, 13, 12213. | 2.8 | 30 |
| 28 | Gyrotron FU CW VII for 300ÂMHz and 600ÂMHz DNP-NMR Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 763-774. | 2.2 | 28 |
| 29 | Thermometers for low temperature Magic Angle Spinning NMR. Journal of Magnetic Resonance, 2010, 204, 169-172. | 2.1 | 23 |
| 30 | Gyrotrons FU FU CW VII for 600 MHz and 300 MHz DNP-NMR spectroscopy. , 2010, , . | | 1 |
| 31 | A neutron diffraction and 205Tl NMR study of the thallium germanate glass system. Journal of Non-Crystalline Solids, 2010, 356, 2517-2523. | 3.1 | 2 |
| 32 | DNP enhanced NMR using a high-power 94 GHz microwave source: a study of the TEMPOL radical in toluene. Physical Chemistry Chemical Physics, 2010, 12, 5757. | 2.8 | 30 |
| 33 | Development of gyrotron FU CW VII for 600 and 300 MHz DNP-NMR. , 2009, , . | | 3 |
| 34 | Two-dimensional 43Caâ€“1H correlation solid-state NMR spectroscopy. Solid State Nuclear Magnetic Resonance, 2009, 35, 32-36. | 2.3 | 34 |
| 35 | Separation of isotropic chemical and second-order quadrupolar shifts by multiple-quantum double rotation NMR. Journal of Magnetic Resonance, 2009, 197, 229-236. | 2.1 | 21 |
| 36 | Determination of the bond-angle distribution in vitreous B2O3 by 11B double rotation (DOR) NMR spectroscopy. Journal of Solid State Chemistry, 2009, 182, 2402-2408. | 2.9 | 41 |

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| 37 | Probing Heteronuclear <sup>15</sup>Nâ"<sup>17</sup>O and <sup>13</sup>Câ"<sup>17</sup>O Connectivities and Proximities by Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 1820-1834. | 13.7 | 76 |
| 38 | High-resolution 17O double-rotation NMR characterization of ring and non-ring oxygen in vitreous B2O3. Physical Chemistry Chemical Physics, 2009, 11, 7061. | 2.8 | 16 |
| 39 | Natural abundance <sup>43</sup>Ca solidâ€state NMR characterisation of hydroxyapatite: identification of the two calcium sites. Magnetic Resonance in Chemistry, 2008, 46, 347-350. | 1.9 | 60 |
| 40 | New perspectives on calcium environments in inorganic materials containing calciumâ€"oxygen bonds: A combined computationalâ€"experimental 43Ca NMR approach. Chemical Physics Letters, 2008, 464, 42-48. | 2.6 | 83 |
| 41 | Solid-state 17O NMR spectroscopy of a phospholemman transmembrane domain protein: Implications for the limits of detecting dilute 17O sites in biomaterials. Solid State Nuclear Magnetic Resonance, 2008, 33, 72-75. | 2.3 | 22 |
| 42 | A High-Resolution<sup>43</sup>Ca Solid-State NMR Study of the Calcium Sites of Hydroxyapatite. Journal of the American Chemical Society, 2008, 130, 2412-2413. | 13.7 | 54 |
| 43 | Water speciation in sodium silicate glasses based on NIR and NMR spectroscopy. Chemical Geology, 2008, 256, 231-241. | 3.3 | 36 |
| 44 | Development of Gyrotron FU CW IIA for 600 MHz and 300 MHz DNP-NMR experiments at the University of Warwick. , 2008, , . | | 2 |
| 45 | An Ab Initio Quantum Chemical Investigation of <sup>43</sup>Ca NMR Interaction Parameters for the Ca<sup>2+</sup> Sites in Organic Complexes and in Metalloproteins. Journal of Physical Chemistry A, 2008, 112, 9807-9813. | 2.5 | 24 |
| 46 | Copper(I) O , O â€²-dialkyldithiophosphate clusters: EXAFS, NMR and X-ray diffraction studies. Journal of Coordination Chemistry, 2007, 60, 517-525. | 2.2 | 11 |
| 47 | The determination of17O NMR parameters of hydroxyl oxygen: A combined deuteration and DOR approach. Magnetic Resonance in Chemistry, 2007, 45, S68-S72. | 1.9 | 15 |
| 48 | A first-principles computational 17O NMR investigation of metal ionâ€"oxygen interactions in carboxylate oxygens of alkali oxalates. Chemical Physics, 2007, 337, 144-150. | 1.9 | 24 |
| 49 | Determination of NMR interaction parameters from double rotation NMR. Journal of Magnetic Resonance, 2007, 188, 246-259. | 2.1 | 31 |
| 50 | Disproportionation of Qm (0Ââ‰ÂmÂâ‰Â4) species in partially devitrified Li2Si2O5 glasses with small amounts of P2O5. Journal of Materials Science, 2007, 42, 7950-7955. | 3.7 | 9 |
| 51 | Experimental and Theoretical 17O NMR Study of the Influence of Hydrogen-Bonding on CO and Oâ"H Oxygens in Carboxylic Solids. Journal of Physical Chemistry A, 2006, 110, 1824-1835. | 2.5 | 82 |
| 52 | New Limits for Solid-State17O NMR Spectroscopy:Â Complete Resolution of Multiple Oxygen Sites in a Simple Biomolecule. Journal of the American Chemical Society, 2006, 128, 7744-7745. | 13.7 | 31 |
| 53 | H2O speciation in float glass and soda lime silica glass. Chemical Geology, 2006, 229, 64-77. | 3.3 | 45 |
| 54 | Enhancing resolution and sensitivity of 17O solid-state NMR through combining double rotation, 1H decoupling and satellite modulation for biomolecular applications. Chemical Physics Letters, 2006, 421, 42-46. | 2.6 | 27 |

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| 55 | Natural abundance 43Ca NMR study of calcium-containing organic solids: A model study for Ca-binding biomaterials. Chemical Physics Letters, 2006, 427, 201-205. | 2.6 | 53 |
| 56 | 27Al double rotation two-dimensional spin diffusion NMR: Complete unambiguous assignment of aluminium sites in 9Al2O3Â·2B2O3. Chemical Physics Letters, 2006, 432, 152-156. | 2.6 | 26 |
| 57 | Spectroscopic characterization of the polycrystalline copper(I) di-n-butyldithiophosphate cluster â€“ Cu8[S2P(O-n-Bu)2]6(Î¼8-S): Solid-state 31P CP/MAS and static 65Cu NMR studies. Inorganica Chimica Acta, 2006, 359, 3903-3910. | 2.4 | 10 |
| 58 | Solid-state static 65Cu and 31P CP/MAS NMR, and liquid-state EXAFS studies on copper(I) O,Oâ€²-dialkyldithiophosphate cluster compounds: Formation of the copper(I) O,Oâ€²-di-iso-amyldithiophosphate cluster compound on the surface of synthetic chalcocite. Polyhedron, 2006, 25, 3569-3580. | 2.2 | 10 |
| 59 | Solid-state 31P CP/MAS and static 65Cu NMR characterization of polycrystalline copper(I) dialkyldithiophosphate clusters. Journal of Magnetic Resonance, 2006, 179, 140-145. | 2.1 | 21 |
| 60 | Symmetry-based recoupling of 17Oâ€“1H spin pairs in magic-angle spinning NMR. Journal of Magnetic Resonance, 2006, 179, 38-48. | 2.1 | 49 |
| 61 | Solid-State NMR and EXAFS Spectroscopic Characterization of Polycrystalline Copper(I)O,Oâ€²-Dialkyldithiophosphate Cluster Compounds: Formation of Copper(I)O,Oâ€²-Diisobutyldithiophosphate Compounds on the Surface of Synthetic Chalcocite. Chemistry - A European Journal, 2006, 12, 5282-5292. | 3.3 | 11 |
| 62 | Formation of {Cu6[S2P(OC2H5)2]6} on Cu2S Surfaces from Aqueous Solutions of the KS2P(OC2H5)2Collector:Â Scanning Electron Microscopy and Solid-State31P Cross-Polarization/Magic Angle Spinning and Static65Cu NMR Studies. Langmuir, 2005, 21, 4420-4424. | 3.5 | 17 |
| 63 | A multi-nuclear NMR study of the local structure of lead zirconate titanate, PbZr1âˆ’xTixO3. Journal of Physics Condensed Matter, 2005, 17, 7159-7168. | 1.8 | 9 |
| 64 | A 125Te and 23Na NMR investigation of the structure and crystallisation of sodium tellurite glasses. Solid State Nuclear Magnetic Resonance, 2005, 27, 16-27. | 2.3 | 22 |
| 65 | Reply to â€œComment on â€˜Localized behavior near the Zn impurity inYBa2Cu4O8as measured by nuclear quadrupole resonanceâ€™â€‰â€• Physical Review B, 2005, 71, . | 3.2 | 2 |
| 66 | STUDY OF THE RELATIONSHIP BETWEEN STRUCTURE AND O-17 ELECTRIC FIELD GRADIENT PARAMETERS IN SOME ALUMINOSILICATES. Modern Physics Letters B, 2005, 19, 1213-1221. | 1.9 | 2 |
| 67 | Combined First-Principles Computational and Experimental Multinuclear Solid-State NMR Investigation of Amino Acids. Journal of Physical Chemistry A, 2005, 109, 6960-6969. | 2.5 | 169 |
| 68 | Investigation of Al-O-Al sites in an Na-aluminosilicate glass. Bulletin of Materials Science, 2004, 27, 269-272. | 1.7 | 14 |
| 69 | Charge and spin dynamics in the electron-doped high temperature superconducting cuprates. Current Applied Physics, 2004, 4, 280-283. | 2.4 | 1 |
| 70 | Theoretical Investigation of Oxygen-17 NMR Shielding and Electric Field Gradients in Glutamic Acid Polymorphs. Journal of Physical Chemistry A, 2004, 108, 6032-6037. | 2.5 | 83 |
| 71 | Solid-State17O NMR of Amino Acids. Journal of Physical Chemistry B, 2004, 108, 9256-9263. | 2.6 | 81 |
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| 73 | Solid-State17O NMR as a Probe for Structural Studies of Proteins in Biomembranes. Journal of the American Chemical Society, 2004, 126, 15320-15321. | 13.7 | 58 |
| 74 | Structural implications of water and boron dissolution in albite glass. Journal of Non-Crystalline Solids, 2004, 337, 207-219. | 3.1 | 28 |
| 75 | Modulation-aided signal enhancement in the magic angle spinning NMR of spin-5/2 nuclei. Chemical Physics Letters, 2003, 367, 150-156. | 2.6 | 40 |
| 76 | New insights into the bonding arrangements of l- and d-glutamates from solid state 17O NMR. Chemical Physics Letters, 2003, 371, 91-97. | 2.6 | 41 |
| 77 | Application of amplitude-modulated radiofrequency fields to the magic-angle spinning NMR of spin-nuclei. Journal of Magnetic Resonance, 2003, 163, 310-317. | 2.1 | 23 |
| 78 | Synthesis, structure and superconducting properties of the (Hg0.65V0.35)Sr2(Nd1â^'ySry)Cu2O6+Î´ system. Physica C: Superconductivity and Its Applications, 2003, 391, 160-168. | 1.2 | 1 |
| 79 | Site symmetry in binary and ternary tin silicate glassesâ€"29Si and119Sn nuclear magnetic resonance. Journal of Physics Condensed Matter, 2003, 15, S2457-S2472. | 1.8 | 13 |
| 80 | Gap anisotropy, spin fluctuations, and normal-state properties of the electron-doped superconductorSr0.9La0.1CuO2. Physical Review B, 2002, 65, . | 3.2 | 26 |
| 81 | Variations of Titanium Interactions in Solid State NMRCorrelations to Local Structure. Journal of Physical Chemistry B, 2002, 106, 13176-13185. | 2.6 | 67 |
| 82 | A MAS NMR structural study of cadmium phosphate glasses. Journal of Non-Crystalline Solids, 2002, 298, 32-42. | 3.1 | 26 |
| 83 | Structural implications of water dissolution in haplogranitic glasses from NMR spectroscopy: influence of total water content and mixed alkali effect. Geochimica Et Cosmochimica Acta, 2001, 65, 2949-2964. | 3.9 | 54 |
| 84 | Quantitative determination of water speciation in aluminosilicate glasses: a comparative NMR and IR spectroscopic study. Chemical Geology, 2001, 174, 195-208. | 3.3 | 67 |
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| 87 | H2O/OH ratio determination in hydrous aluminosilicate glasses by static proton NMR and the effect of chemical shift anisotropy. Solid State Nuclear Magnetic Resonance, 2000, 15, 201-207. | 2.3 | 19 |
| 88 | Determination of titanium NMR parameters of ATiO3 compounds: correlations with structural distortion. Solid State Nuclear Magnetic Resonance, 2000, 15, 231-236. | 2.3 | 46 |
| 89 | Studies of the effect of paramagnetic impurity in the structure of sodium disilicate glass. Journal of Materials Science, 2000, 35, 2829-2832. | 3.7 | 9 |
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| 91 | 29Si and 27Al MAS NMR spectra are affected by alkali metal cluster formation in zeolite LTA. Chemical Communications, 2000, , 55-56. | 4.1 | 5 |
| 92 | A High-Resolution17O and29Si NMR Study of Zeolite Siliceous Ferrierite and ab Initio Calculations of NMR Parameters. Journal of the American Chemical Society, 2000, 122, 4948-4958. | 13.7 | 129 |
| 93 | Peculiar behaviour of the spin susceptibility in Bi2Sr2Ca2Cu3O10. Physica C: Superconductivity and Its Applications, 1999, 317-318, 565-568. | 1.2 | 2 |
| 94 | Cristobalite in Volcanic Ash of the Soufriere Hills Volcano, Montserrat, British West Indies. Science, 1999, 283, 1142-1145. | 12.6 | 169 |
| 95 | On the role of transition metal elements as structure-stabilising agents in cuprate superconductors. Solid State Sciences, 1999, 1, 87-95. | 0.7 | 14 |
| 96 | Structural properties of multi-component silicon oxycarbide glasses derived from metal alkoxide precursors. Journal of Non-Crystalline Solids, 1996, 204, 217-227. | 3.1 | 26 |
| 97 | Structural Studies of ZrV2-xPxO7 Solid Solutions Using 31Pâ^'{51V} and 51Vâ^'{31P} Rotational Echo Double Resonance NMR. The Journal of Physical Chemistry, 1996, 100, 15986-15991. | 2.9 | 33 |
| 98 | Magic-angle spinning nuclear magnetic resonance study of the structure of some PbO-Al2O3-P2O5 glasses. Solid State Nuclear Magnetic Resonance, 1995, 5, 23-34. | 2.3 | 12 |
| 99 | The effect of Ca substitution in YBa2Cu3O7â^'Î´ a 89Y NMR study. Physica C: Superconductivity and Its Applications, 1995, 247, 1-6. | 1.2 | 19 |
| 100 | NMR investigation of the structure of some bioactive and related glasses. Journal of Non-Crystalline Solids, 1995, 188, 207-219. | 3.1 | 194 |
| 101 | Negative Thermal Expansion and Phase Transitions in the ZrV2-xPxO7 Series. Chemistry of Materials, 1995, 7, 412-417. | 6.7 | 258 |
| 102 | Structural role of zirconium in SiO2â€“ZrO2gels: evidence from17O NMR. Journal of Materials Chemistry, 1995, 5, 1261-1263. | 6.7 | 21 |
| 103 | NMR studies of the leucite analogues X2YSi5O12, where X= K, Rb, Cs; Y = Mg, Zn, Cd. Physics and Chemistry of Minerals, 1994, 21, 176-190. | 0.8 | 22 |
| 104 | 63Cu NMR shift and relaxation behavior in Tl2Ba2Ca2Cu3O10â^'Î´ (Tc=125K). Physica C: Superconductivity and Its Applications, 1994, 226, 106-112. | 1.2 | 19 |
| 105 | 63Cu NMR of Hg-1223 between 100K and 300K. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1673-1674. | 1.2 | 0 |
| 106 | Charge distribution in (Tl,Pb)Sr2Ca2Cu3O9â^'Ïƒ (Tc=124K): an 17O NMR study. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1709-1710. | 1.2 | 3 |
| 107 | Comparative Î¼SR and NMR studies of the doping effects in Y(Ba1â^'xLax)2Cu3O7. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1723-1724. | 1.2 | 2 |
| 108 | Comment on â€œA model for H2O solubility mechanisms in albite melts from infrared spectroscopy and molecular orbital calculationsâ€• by D. Sykes and J. D. Kubicki. Geochimica Et Cosmochimica Acta, 1994, 58, 1377-1380. | 3.9 | 28 |

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| 127 | Multinuclear magnetic resonance study of Li2Oï£¿SiO2 Solï£¿Gel glasses. Magnetic Resonance in Chemistry, 1990, 28, S89-S96. | 1.9 | 12 |
| 128 | Yttrium-89 magic angle spinning NMR study of rare-earth pyrochlores: paramagnetic shifts in the solid state. Journal of the American Chemical Society, 1990, 112, 4670-4675. | 13.7 | 107 |
| 129 | A MAS-NMR investigation of lithium silicate glasses and glass ceramics. Journal of Non-Crystalline Solids, 1990, 116, 148-160. | 3.1 | 118 |
| 130 | NMR evidence for fluctuating, localised magnetic fields in zinc-doped YBa2Cu3O7â˜Î´. Physica C: Superconductivity and Its Applications, 1989, 161, 9-12. | 1.2 | 26 |
| 131 | Structural chemistry of anodic alumina. Thin Solid Films, 1989, 173, 209-215. | 1.8 | 41 |
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| 133 | A multinuclear magnetic resonance study of the structure of hydrous albite glasses. Geochimica Et Cosmochimica Acta, 1989, 53, 2925-2935. | 3.9 | 222 |
| 134 | Magic angle spinning NMR of alkali phospho-alumino-silicate glasses. Journal of Non-Crystalline Solids, 1989, 112, 111-119. | 3.1 | 107 |
| 135 | A high-resolution NMR study of the lanthanum-silicon-aluminum-oxygen-nitrogen system. Journal of the American Chemical Society, 1989, 111, 5125-5132. | 13.7 | 75 |
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| 137 | Structural influences on high-resolution yttrium-89 NMR spectra of solids. Chemical Physics Letters, 1988, 148, 41-44. | 2.6 | 62 |
| 138 | An MAS NMR study of network - cation coordination in phosphosilicate glasses. Journal of Non-Crystalline Solids, 1988, 106, 403-407. | 3.1 | 86 |
| 139 | NMR determinations of Si O Si bond angle distributions in silica. Journal of Non-Crystalline Solids, 1988, 106, 408-412. | 3.1 | 141 |
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| 142 | An upper bound for the density of states at the yttrium site in YBa2Cu3O7-Î´. Journal of Physics C: Solid State Physics, 1988, 21, L847-L852. | 1.5 | 51 |
| 143 | Electron Localization in the Dilute Metal-Molten Salt Solution Na-NaBr*. Zeitschrift Fur Physikalische Chemie, 1988, 156, 177-182. | 2.8 | 1 |
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| 145 | Pressure-induced bond-angle variation in amorphousSiO2. Physical Review B, 1987, 35, 2560-2562. | 3.2 | 116 |
| 146 | Signal-to-noise optimization of pulsed NMR experiments on samples with long spin-lattice relaxation times. Journal of Magnetic Resonance, 1987, 75, 153-157. | 0.5 | 2 |
| 147 | The structure of binary alkali silicate glasses. Journal of Non-Crystalline Solids, 1986, 81, 185-200. | 3.1 | 106 |
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| 153 | Determination of the Siâ€“Oâ€“Si bond angle distribution in vitreous silica by magic angle spinning NMR. Nature, 1984, 308, 523-525. | 27.8 | 193 |
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| 155 | The structure of soda-silica glasses: A mas NMR study. Journal of Non-Crystalline Solids, 1984, 68, 399-410. | 3.1 | 185 |
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| 157 | An assessment of the structural models for amorphous SiO using MAS NMR. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1984, 50, L13-L18. | 0.6 | 33 |
| 158 | NMR studies of lithium iodide based solid electrolytes. Solid State Ionics, 1983, 9-10, 131-133. | 2.7 | 16 |
| 159 | 23Na NMR study of the mobile sodium in Na Î² gallate. Solid State Ionics, 1983, 9-10, 347-350. | 2.7 | 3 |
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