

Shinobu Ohki

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

619
citations

687363

13
h-index

580821

25
g-index

45
all docs

45
docs citations

45
times ranked

811
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Achievement of 1020 MHz NMR. <i>Journal of Magnetic Resonance</i> , 2015, 256, 30-33. | 2.1 | 127 |
| 2 | Combination of solid state NMR and DFT calculation to elucidate the state of sodium in hard carbon electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13183-13193. | 10.3 | 83 |
| 3 | Fabrication of glasses of dispersed yellow oxynitride phosphor for white light-emitting diodes. <i>Optical Materials</i> , 2010, 33, 170-175. | 3.6 | 57 |
| 4 | 1020 MHz single-channel proton fast magic angle spinning solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015, 261, 1-5. | 2.1 | 38 |
| 5 | Construction of a push-pull system in g-C ₃ N ₄ for efficient photocatalytic hydrogen evolution under visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13299-13310. | 10.3 | 37 |
| 6 | Successful Upgrading of 920-MHz NMR Superconducting Magnet to 1020 MHz Using Bi-2223 Innermost Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-7. | 1.7 | 31 |
| 7 | Exploration of metaphosphate glasses dispersed with Eu-doped SiAlON for white LED applications. <i>Optical Materials</i> , 2015, 42, 399-405. | 3.6 | 27 |
| 8 | Exploration of zinc phosphate glasses dispersed with Eu-doped SiAlON for white LED applications. <i>Optical Materials</i> , 2013, 35, 2677-2684. | 3.6 | 22 |
| 9 | Optical-pumping double-resonance NMR system for semiconductors. <i>Review of Scientific Instruments</i> , 2006, 77, 093904. | 1.3 | 18 |
| 10 | Influence of Morphology of Silica-Alumina Composites on Their Activity for Hydrolytic Dehydrogenation of Ammonia Borane. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2016, 95, 480-486. | 0.2 | 16 |
| 11 | Multinuclear solid-state NMR spectroscopy of a paramagnetic layered double hydroxide. <i>RSC Advances</i> , 2013, 3, 19857. | 3.6 | 15 |
| 12 | NMR study of thermally activated paramagnetism in metallic low-silica X zeolite filled with sodium atoms. <i>Physical Review B</i> , 2013, 87, . | 3.2 | 14 |
| 13 | Influence of aluminum precursors on structure and acidic properties of hollow silica-alumina composite spheres, and their activity for hydrolytic dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22318-22324. | 7.1 | 14 |
| 14 | The influence of the pore structure of hollow silica-alumina composite spheres on their activity for hydrolytic dehydrogenation of ammonia borane. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1568-1574. | 6.0 | 14 |
| 15 | Highly swellable hydrogel of regioselectively aminated (1 α '3)- β -d-glucan crosslinked with ethylene glycol diglycidyl ether. <i>Carbohydrate Polymers</i> , 2020, 237, 116189. | 10.2 | 14 |
| 16 | Efficiency of High Magnetic Fields in Solid-state NMR. <i>Chemistry Letters</i> , 2016, 45, 209-210. | 1.3 | 11 |
| 17 | Reaction of europium-doped β -SiAlON phosphors with sodium borosilicate glass matrices. <i>Journal of the European Ceramic Society</i> , 2018, 38, 735-741. | 5.7 | 11 |
| 18 | Control of pore size in shell of hollow silica-alumina composite spheres for hydrolytic dehydrogenation of ammonia borane. <i>Journal of Porous Materials</i> , 2019, 26, 611-617. | 2.6 | 9 |

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|----|--|------|-----------|
| 19 | Influence of alcohol solvents on morphology of hollow silica ²⁷ alumina composite spheres and their activity for hydrolytic dehydrogenation of ammonia borane. Journal of Sol-Gel Science and Technology, 2017, 82, 92-100. | 2.4 | 7 |
| 20 | Investigation of luminescence properties of Eu-doped Si-Al-O-N glasses synthesized via sol-gel process. Journal of Non-Crystalline Solids, 2021, 573, 121107. | 3.1 | 7 |
| 21 | Influence of morphology of hollow silica ²⁷ alumina composite spheres on their activity for hydrolytic dehydrogenation of ammonia borane. Journal of Advanced Ceramics, 2017, 6, 368-375. | 17.4 | 6 |
| 22 | Dynamics of electron-nuclear and heteronuclear polarization transfers in optically oriented semi-insulating InP:Fe. Physical Review B, 2008, 77, . | 3.2 | 5 |
| 23 | Investigation of the effects of sintering and indium-doping of zinc oxide using ⁶⁷ Zn magic angle spinning NMR analysis. Solid State Nuclear Magnetic Resonance, 2018, 95, 12-16. | 2.3 | 4 |
| 24 | Surface-sensitive NMR in optically pumped semiconductors. Applied Physics A: Materials Science and Processing, 2008, 93, 533-536. | 2.3 | 3 |
| 25 | ²⁷ Al NMR/NQR Studies of YbAl ₃ C ₃ . Journal of the Physical Society of Japan, 2009, 78, 014709. | 1.6 | 3 |
| 26 | Exploration of zinc borophosphate glasses as dispersion media for SiAlON phosphors. International Journal of Applied Glass Science, 2020, 11, 471-479. | 2.0 | 3 |
| 27 | Immobilized molybdic acid on porous silica-alumina hollow sphere particles for acid-promoted hydrolytic hydrogen evolution from ammonia borane. International Journal of Hydrogen Energy, 2021, 46, 6659-6668. | 7.1 | 3 |
| 28 | Optically induced nuclear spin ²⁸ spin couplings in GaAs manifested by spin echo decays under optical pumping. Npj Quantum Information, 2022, 8, . | 6.7 | 3 |
| 29 | NMR Study of YbAl ₃ C ₃ in High Magnetic Field. Journal of the Physical Society of Japan, 2008, 77, 291-293. | 1.6 | 2 |
| 30 | Oxygen-17 NMR Study of Defects in LnO _{1.5} CeO ₂ (Ln = La and Nd). Chemistry Letters, 2013, 42, 57-59. | 1.3 | 2 |
| 31 | Single-crystal NMR approach for determining chemical shift tensors from powder samples via magnetically oriented microcrystal arrays. Journal of Magnetic Resonance, 2015, 255, 28-33. | 2.1 | 2 |
| 32 | Relationship between Strength in Magnetic Field and Spectral Width of Solid-state ³³ S NMR in an Organosulfur Compound. Chemistry Letters, 2019, 48, 601-603. | 1.3 | 2 |
| 33 | Separated quadrupole and shift interactions of ² H NMR spectra in paramagnetic solids by asymmetric pulse sequences. Solid State Nuclear Magnetic Resonance, 2021, 112, 101709. | 2.3 | 2 |
| 34 | Field-stepwise-swept QCPMG solid-state ¹¹⁵ In NMR of indium oxide. Solid State Nuclear Magnetic Resonance, 2020, 109, 101688. | 2.3 | 2 |
| 35 | NUCLEAR HYPERPOLARIZATION AND POLARIZATION TRANSFER SYSTEM FOR SEMICONDUCTORS. International Journal of Modern Physics B, 2007, 21, 1664-1668. | 2.0 | 1 |
| 36 | NMR Evidence for Field-induced Magnetic Ordering at 30 T in the Haldane Compound PbNi ₂ V ₂ O ₈ . Journal of the Physical Society of Japan, 2007, 76, 064705. | 1.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | High-Temperature Pulsed-Field-Gradient ⁷ Li-NMR Measurements of Li ₂ CO ₃ over 700 K. Analytical Sciences, 2021, 37, 1477-1479. | 1.6 | 1 |
| 38 | Solid-State ²⁰⁷ Pb NMR Spectroscopy and Relativistic Quantum Chemical Calculations of Red Pigments: Identification in Cultural Heritage Materials. Applied Magnetic Resonance, 2022, 53, 371-385. | 1.2 | 1 |
| 39 | Enhancing Radio-frequency Pulses Using a Field Shielding Device in a Solid-state NMR Sample Tube. Chemistry Letters, 2022, 51, 574-576. | 1.3 | 1 |
| 40 | High Field NMR Study of Yb _{0.9} Y _{0.1} InCu ₄ up to 30 T. Journal of the Physical Society of Japan, 2006, 75, 084714. | 1.6 | 0 |
| 41 | Field Stabilization for High-Resolution Solid State NMR Magnet with External Field-Lock. Bunseki Kagaku, 2008, 57, 55-59. | 0.2 | 0 |
| 42 | Development of an instrument providing visual monitoring in cryogenics. , 2014, , . | | 0 |
| 43 | Development of an NMR Spectrometer Operated beyond 1 GHz. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Qv | 0.1 | 0 |
| 44 | Experimental Comparison of Solid-state NMR Spectra for Quadrupolar Nuclei Using Various Spin-echo Sequences. Chemistry Letters, 2020, 49, 68-70. | 1.3 | 0 |
| 45 | Influence of the Pore Structure of Molybdic Acid Immobilized Silica-alumina Hollow Spheres on Acid-promoted Hydrogen Evolution from Ammonia Borane. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2022, 101, 76-82. | 0.2 | 0 |