Shigenobu Hayashi

List of Publications by Year
in descending order

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161 papers	8,956 citations	61984 43 h-index	43889 91 g-index
166 all docs	166 docs citations	166 times ranked	7375 citing authors

#	Article	IF	Citations
1	Mixing nitrogen-containing compounds for synthesis of porous boron nitride for improved porosity, surface functionality, and solid base catalytic activity. Applied Catalysis A: General, 2022, 638, 118635.	4.3	1
2	A Series of Dâ€“Aâ€“D Structured Disilane-Bridged Triads: Structure and Stimuli-Responsive Luminescence Studies. Journal of Organic Chemistry, 2022, 87, 8928-8938.	3.2	9
3	Strategy of thermodynamic and kinetic improvements for Mg hydride nanostructured by immiscible transition metals. Journal of Power Sources, 2021, 494, 229742.	7.8	17
4	Luminescent Behavior Elucidation of a Disilaneâ€Bridged Dâ€“Aâ€“D Triad Composed of Phenothiazine and Thienopyrazine. Angewandte Chemie, 2021, 133, 23053.	2.0	8
5	Luminescent Behavior Elucidation of a Disilaneâ€Bridged Dâ€“Aâ€“D Triad Composed of Phenothiazine and Thienopyrazine. Angewandte Chemie - International Edition, 2021, 60, 22871-22878.	13.8	30
6	Effect of Water Vapor on the Accelerated Deterioration Treatment of Cu-SSZ-13 as Catalysts for Selective Catalytic Reduction. Industrial & Engineering Chemistry Research, 2021, 60, 15454-15463.	3.7	5
7	Suppression of the Phase Coexistence of the fccâ€“fct Transition in Hafnium-Hydride Thin Films. Journal of Physical Chemistry Letters, 2021, 12, 10969-10974.	4.6	6
8	Stability of Zirconium-Substituted Face-Centered Cubic Yttrium Hydride. Inorganic Chemistry, 2021, 60, 17715-17721.	4.0	0
9	Enhancement of solid base activity for porous boron nitride catalysts by controlling active structure using post treatment. Applied Catalysis A: General, 2020, 608, 117843.	4.3	10
10	Selective Formation and SHG Intensity of Noncentrosymmetric and Centrosymmetric 1,1,2,2-Tetramethyl-1-(4-(N,N-dimethylamino)phenyl)-2-(2â€²-cyanophenyl)disilane Crystals under External Stimuli. Journal of Physical Chemistry C, 2020, 124, 17450-17458.	3.1	13
11	Destabilizing the Dehydrogenation Thermodynamics of Magnesium Hydride by Utilizing the Immiscibility of Mn with Mg. Inorganic Chemistry, 2019, 58, 14600-14607.	4.0	19
12	Effects of ball-milling treatment on physicochemical properties and solid base activity of hexagonal boron nitrides. Catalysis Science and Technology, 2019, 9, 302-309.	4.1	42
13	Mechanochemical Decomposition of Crystalline Cellulose in the Presence of Protonated Layered Niobium Molybdate Solid Acid Catalyst. ChemSusChem, 2018, 11, 888-896.	6.8	22
14	Structural Variation of Self-Organized Mg Hydride Nanoclusters in Immiscible Ti Matrix by Hydrogenation. Inorganic Chemistry, 2018, 57, 11831-11838.	4.0	11
15	Anchoring titanium dioxide on carbon spheres for high-performance visible light photocatalysis. Applied Catalysis B: Environmental, 2017, 207, 255-266.	20.2	64
16	Hydrogen Bond Networks in Cs2(HSO4)(H2PO4) As Studied by Solid-State NMR. Journal of Physical Chemistry C, 2017, 121, 12643-12651.	3.1	3
17	Utilization of hexagonal boron nitride as a solid acidâ€“base bifunctional catalyst. Journal of Catalysis, 2017, 355, 176-184.	6.2	54
18	Multifunctional Octamethyltetrasila[2.2]cyclophanes: Conformational Variations, Circularly Polarized Luminescence, and Organic Electroluminescence. Journal of the American Chemical Society, 2017, 139, 11214-11221.	13.7	73

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19	Spin diffusion and 1 H spin-lattice relaxation in Cs 2 (HSO 4)(H 2 PO 4) containing a small amount of ammonium ions. Solid State Nuclear Magnetic Resonance, 2017, 88, 15-21.	2.3	2
20	Incorporation of ammonium ions in Cs2(HSO4)(H2PO4) confirmed by solid-state NMR. Solid State Ionics, 2017, 311, 83-89.	2.7	2
21	Detailed mechanisms of 1H spin-lattice relaxation in ammonium dihydrogen phosphate confirmed by magic angle spinning. Solid State Nuclear Magnetic Resonance, 2017, 87, 24-28.	2.3	5
22	Acid Properties of Protonated Titanate Nanotubes. Journal of the Japan Petroleum Institute, 2017, 60, 113-120.	0.6	9
23	Structural changes of layered alkylsiloxanes during the reversible meltingâ€“solidification process. Physical Chemistry Chemical Physics, 2016, 18, 19146-19157.	2.8	8
24	Formation of hydride phase and diffusion of hydrogen in the Vâ€“H system varied by substitutional Fe. International Journal of Hydrogen Energy, 2016, 41, 6369-6375.	7.1	10
25	Synthesis of niobium-doped titanate nanotubes as solid acid catalysts. Catalysis Science and Technology, 2016, 6, 4832-4839.	4.1	25
26	Effect of dissolved oxygen on hydrogenation of vanadium and hydrogen diffusion in the monohydride phase. Acta Materialia, 2016, 103, 23-29.	7.9	7
27	Transesterification of Triolein over Hydrophobic Microporous Carbon with SO₃H Groups. ChemCatChem, 2015, 7, 3945-3950.	3.7	13
28	Enhancement of hydrogen diffusion in the body-centered tetragonal monohydride phase of the Vâ€“H system by substitutional Al studied by proton nuclear magnetic resonance. Acta Materialia, 2015, 83, 479-487.	7.9	20
29	Formation of 5-(Hydroxymethyl)furfural by Stepwise Dehydration over TiO₂ with Water-Tolerant Lewis Acid Sites. Journal of Physical Chemistry C, 2015, 119, 17117-17125.	3.1	82
30	Acid property of MFI-type zeolites probed by trimethylphosphine oxide studied by solid-state NMR. Microporous and Mesoporous Materials, 2014, 186, 101-105.	4.4	8
31	Synthesis and structural study of Ti-rich Mgâ€“Ti hydrides. Journal of Alloys and Compounds, 2014, 593, 132-136.	5.5	15
32	Intercalationâ€Controlled Cyclodehydration of Sorbitol in Water over Layeredâ€Niobiumâ€Molybdate Solid Acid. ChemSusChem, 2014, 7, 748-752.	6.8	35
33	Solid Lewis acidity of boehmite Î³-AlO(OH) and its catalytic activity for transformation of sugars in water. RSC Advances, 2014, 4, 43785-43791.	3.6	69
34	Adsorption of Trimethylphosphine Oxide on Silicalite Studied by Solid-State NMR. Bulletin of the Chemical Society of Japan, 2014, 87, 69-75.	3.2	11
35	Synthesis and acid catalysis of zeolite-templated microporous carbons with SO3H groups. Physical Chemistry Chemical Physics, 2013, 15, 9343.	2.8	25
36	Reversibly meltable layered alkylsiloxanes with melting points controllable by alkyl chain lengths. New Journal of Chemistry, 2013, 37, 1142.	2.8	5

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37	Protonated Titanate Nanotubes with Lewis and BrÃ¸nsted Acidity: Relationship between Nanotube Structure and Catalytic Activity. Chemistry of Materials, 2013, 25, 385-393.	6.7	153
38	A novel soft-chemical synthetic route using Na2Ti6O13 as a starting compound and electrochemical properties of H2Ti12O25. Journal of Power Sources, 2013, 244, 679-683.	7.8	25
39	Effects of structural differences in starting materials on the formation behavior of cubic silicon nitride by shock compression. Journal of the Ceramic Society of Japan, 2013, 121, 741-744.	1.1	3
40	Reorientational Motion of BH₄ Ions in Alkali Borohydrides MBH₄ (M = Li, Na,) Tj ETQq0 0 0 rgBT /Overlock 10	3.1	33
41	Effect of substitutional Cr on hydrogen diffusion and thermal stability for the BCT monohydride phase of the Vâ€“H system studied by 1H NMR. Journal of Alloys and Compounds, 2012, 524, 63-68.	5.5	17
42	Formation of â€œfuzzyâ€•phases with high proton conductivities in the composites of polyphosphoric acid and metal oxide nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 11135.	2.8	7
43	sp³â€Linked Amorphous Carbon with Sulfonic Acid Groups as a Heterogeneous Acid Catalyst. ChemSusChem, 2012, 5, 1841-1846.	6.8	60
44	Diffusion of ammonium ions in [(NH4)1â^'xRbx]3H(SO4)2 studied by 1H spinâ€“lattice relaxation in the rotating frame. Journal of Physics and Chemistry of Solids, 2012, 73, 614-616.	4.0	0
45	Proton diffusion in hybrid materials of CsHSO4 and silica nanoparticles as studied by 1H solid-state NMR. Solid State Sciences, 2012, 14, 171-176.	3.2	5
46	Nb₂O₅Â·nH₂O as a Heterogeneous Catalyst with Water-Tolerant Lewis Acid Sites. Journal of the American Chemical Society, 2011, 133, 4224-4227.	13.7	480
47	Soft-Chemical Synthesis and Electrochemical Property of H2Ti12O25 as a Negative Electrode Material for Rechargeable Lithium-Ion Batteries. Journal of the Electrochemical Society, 2011, 158, A546.	2.9	49
48	Surface Modification of Boron Nitride Nanoparticles by Decylphosphonic Acid Characterized by Solid-state NMR. Chemistry Letters, 2011, 40, 1121-1123.	1.3	0
49	Undesorbed Dichloromethane in Zeolites Studied by Solid-State NMR. Bulletin of the Chemical Society of Japan, 2011, 84, 1090-1095.	3.2	6
50	Intermolecular CHâ‹¯O hydrogen bonds in formyl-substituted diphenylhexatriene, a [2+2] photoreactive organic solid: Crystal structure and IR, NMR spectroscopic evidence. Journal of Molecular Structure, 2011, 1006, 366-374.	3.6	12
51	Structure and Catalysis of Celluloseâ€Derived Amorphous Carbon Bearing SO₃H Groups. ChemSusChem, 2011, 4, 778-784.	6.8	111
52	SO3H-bearing mesoporous carbon with highly selective catalysis. Microporous and Mesoporous Materials, 2011, 143, 443-450.	4.4	79
53	Acid properties of H-type mordenite studied by solid-state NMR. Microporous and Mesoporous Materials, 2011, 141, 49-55.	4.4	30
54	Solid-State NMR Study of Titanium Dioxide Nanoparticles Surface-Modified by Alkylphosphonic Acids. Bulletin of the Chemical Society of Japan, 2011, 84, 1267-1275.	3.2	7

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55	Synthesis and acid catalysis of cellulose-derived carbon-based solid acid. Solid State Sciences, 2010, 12, 1029-1034.	3.2	133
56	Layered and nanosheet tantalum molybdate as strong solid acid catalysts. Journal of Catalysis, 2010, 270, 206-212.	6.2	44
57	Highly Active Mesoporous Nbâ€“W Oxide Solidâ€Acid Catalyst. Angewandte Chemie - International Edition, 2010, 49, 1128-1132.	13.8	124
58	Proton diffusion in the room-temperature phase of [(NH4)1â^'xRbx]3H(SO4)2 as studied by 1H spin-lattice relaxation in the rotating frame. Solid State Nuclear Magnetic Resonance, 2010, 37, 69-74.	2.3	4
59	Nanosheets as highly active solid acid catalysts for green chemical syntheses. Energy and Environmental Science, 2010, 3, 82-93.	30.8	167
60	Nanometer Scale Proton Conductivity and Dynamics of CsHSO₄ and H₃PW₁₂O₄₀ Composites under Non-Humidified Conditions. Chemistry of Materials, 2010, 22, 3418-3425.	6.7	10
61	Effect of substitutional Mo on diffusion and site occupation of hydrogen in the BCT monohydride phase of Vâ€“H system studied by 1H NMR. Journal of Alloys and Compounds, 2010, 507, 399-404.	5.5	22
62	Protonated Titanate Nanotubes as Solid Acid Catalyst. Journal of the American Chemical Society, 2010, 132, 6622-6623.	13.7	159
63	Structure and Acid Catalysis of Mesoporous Nb₂O₅Â·nH₂O. Chemistry of Materials, 2010, 22, 3332-3339.	6.7	82
64	Proton diffusion in the superprotonic phase of [(NH4)1â^'xRbx]3H(SO4)2 as studied by 1H spin-lattice relaxation. Solid State Ionics, 2009, 180, 667-672.	2.7	7
65	Preparation of a Sulfonated Porous Carbon Catalyst with High Specific Surface Area. Catalysis Letters, 2009, 131, 242-249.	2.6	127
66	Proton dynamics in CsHSO4 confined in mesoporous silica FSM-16 as studied by 1H solid-state NMR. Microporous and Mesoporous Materials, 2009, 126, 72-80.	4.4	6
67	Determination of residual dipolar interaction from transverse 1H NMR relaxation in elastomers. Solid State Nuclear Magnetic Resonance, 2009, 36, 167-171.	2.3	12
68	Evaluation of strong acid properties of layered HNbMoO6 and catalytic activity for Friedelâ€“Crafts alkylation. Catalysis Today, 2009, 142, 267-271.	4.4	34
69	Effects of Transition-Metal Composition of Protonated, Layered Nonstoichiometric Oxides H1â^'xNb1â^'xMo1+xO6 on Heterogeneous Acid Catalysis. Journal of Physical Chemistry C, 2009, 113, 17421-17427.	3.1	28
70	Characterization of HNbWO₆ and HTaWO₆ Metal Oxide Nanosheet Aggregates As Solid Acid Catalysts. Journal of Physical Chemistry C, 2009, 113, 7831-7837.	3.1	67
71	Adsorption-Enhanced Hydrolysis of Î²-1,4-Glucan on Graphene-Based Amorphous Carbon Bearing SO₃H, COOH, and OH Groups. Langmuir, 2009, 25, 5068-5075.	3.5	274
72	Amorphous Carbon Bearing Sulfonic Acid Groups in Mesoporous Silica as a Selective Catalyst. Chemistry of Materials, 2009, 21, 186-193.	6.7	136

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73	Adsorption of Trimethylphosphine Oxide Molecules from the Gas Phase to Probe Surface Acidity by Solid-state NMR. Chemistry Letters, 2009, 38, 960-961.	1.3	13
74	Sealing Effect of Magic-Angle-Spinning Rotors in Solid-State NMR. Analytical Sciences, 2009, 25, 133-136.	1.6	11
75	Ammonium ion diffusion in the superprotonic phase of (NH4)3H(SO4)2 as studied by 1H spin-lattice relaxation times in the rotating frame. Solid State Ionics, 2008, 178, 1792-1797.	2.7	4
76	1H NMR study of proton dynamics in [(NH4)1â^'xRbx]3H(SO4)2 (x=0.54). Solid State Ionics, 2008, 179, 842-846.	2.7	5
77	Mixed-cation effect in a superprotonic phase of [(NH4)1â^'xRbx]3H(SO4)2 studied by 1H solid-state NMR. Solid State Ionics, 2008, 179, 599-604.	2.7	7
78	New organicâ€"inorganic crystalline electrolytes synthesized from 12-phosphotungstic acid and the ionic liquid [BMIM][TFSI]. Electrochimica Acta, 2008, 53, 7638-7643.	5.2	15
79	Hydrolysis of Cellulose by Amorphous Carbon Bearing SO₃H, COOH, and OH Groups. Journal of the American Chemical Society, 2008, 130, 12787-12793.	13.7	941
80	Efficient Utilization of Nanospace of Layered Transition Metal Oxide HNbMoO₆as a Strong, Water-Tolerant Solid Acid Catalyst. Journal of the American Chemical Society, 2008, 130, 7230-7231.	13.7	103
81	Preparation of a Novel Luminous Heterogeneous System: Rhodamine/Coumarin/Phyllosilicate Hybrid and Blue Shift in Fluorescence Emission. Chemistry of Materials, 2008, 20, 2994-3002.	6.7	43
82	Anhydrous Proton-Conducting Properties of Nafionâ€"1,2,4-Triazole and Nafionâ€"Benzimidazole Membranes for Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2007, 154, A290.	2.9	65
83	Proton dynamics in the room-temperature phase of Cs3(HSO4)2(H2PO4) studied by 1H MAS NMR. Solid State Ionics, 2007, 178, 1493-1498.	2.7	4
84	Fast proton conductor under anhydrous condition synthesized from 12-phosphotungstic acid and ionic liquid. Electrochimica Acta, 2007, 53, 963-967.	5.2	39
85	Characterization of micropores in zeolites by 3He NMR. Microporous and Mesoporous Materials, 2007, 101, 3-9.	4.4	10
86	Environmentally Benign Production of Chemicals and Energy Using a Carbonâ€Based Strong Solid Acid. Journal of the American Ceramic Society, 2007, 90, 3725-3734.	3.8	44
87	Using X-ray diffraction to study thermal phase transitions in Cs5H3(SO4)4Â·xH2O. Solid State Ionics, 2007, 178, 1262-1267.	2.7	7
88	H1NMR study of proton dynamics in the inorganic solid acidRb3H(SO4)2. Physical Review B, 2006, 73, .	3.2	21
89	Acid-Catalyzed Reactions on Flexible Polycyclic Aromatic Carbon in Amorphous Carbon. Chemistry of Materials, 2006, 18, 3039-3045.	6.7	509
90	Dynamics ofp-Nitroaniline Molecules in Micoporous Aluminophosphate AlPO4-5 Studied by Solid-State NMR. Journal of Physical Chemistry B, 2006, 110, 90-96.	2.6	4

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91	Nuclear Magnetic Resonance Study of Proton Diffusion in Inorganic Solids. Shinku/Journal of the Vacuum Society of Japan, 2006, 49, 12-16.	0.2	0
92	Probing the Micropores in Linde-type A Zeolites by Helium-3 NMR. Chemistry Letters, 2006, 35, 92-93.	1.3	11
93	Development of highly active SO3H-modified hybrid mesoporous catalyst. Catalysis Today, 2006, 116, 151-156.	4.4	47
94	Esterification of higher fatty acids by a novel strong solid acid. Catalysis Today, 2006, 116, 157-161.	4.4	266
95	Solid-state NMR study on dynamics of p-nitroaniline molecules in FSM-type mesoporous silicas at high loading levels. Microporous and Mesoporous Materials, 2006, 91, 92-99.	4.4	3
96	Phase transition in a superprotonic conductor Cs2(HSO4)(H2PO4) induced by water vapor. Solid State Ionics, 2006, 177, 1275-1279.	2.7	11
97	Proton dynamics in Cs3(HSO4)2(HPO4) studied by 1H NMR. Solid State Ionics, 2006, 177, 2873-2880.	2.7	8
98	Gene Expression in the Brain from Fluoxetine-Injected Mouse Using DNA Microarray. Annals of the New York Academy of Sciences, 2006, 1074, 42-51.	3.8	7
99	1H NMR study of proton dynamics in (NH4)3H(SO4)2. Solid State Ionics, 2006, 177, 3223-3231.	2.7	20
100	Local environments and dynamics of hydrogen atoms in protonated forms of ion-exchangeable layered perovskites estimated by solid-state 1H NMR. Journal of Solid State Chemistry, 2006, 179, 3357-3364.	2.9	16
101	H1NMR study of proton dynamics inCs5H3(SO4)4â^™xH2O. Physical Review B, 2006, 74, .	3.2	10
102	Proton dynamics in Cs2(HSO4)(H2PO4) studied by 1H NMR. Solid State Ionics, 2005, 176, 745-754.	2.7	22
103	Biodiesel made with sugar catalyst. Nature, 2005, 438, 178-178.	27.8	735
104	Triblock copolymer-assisted synthesis of a hybrid mesoporous ethyleneâ€“silica with 2D hexagonal structure and large pores. Journal of Materials Chemistry, 2005, 15, 2362.	6.7	25
105	Exfoliated HNb3O8Nanosheets as a Strong Protonic Solid Acid. Chemistry of Materials, 2005, 17, 2487-2489.	6.7	117
106	A Carbon Material as a Strong Protonic Acid. Angewandte Chemie - International Edition, 2004, 43, 2955-2958.	13.8	519
107	Dynamics of p-nitroaniline molecules in FSM-type mesoporous silicas studied by solid-state NMR. Microporous and Mesoporous Materials, 2004, 68, 111-118.	4.4	13
108	Proton dynamics in phase II of CsHSO4 as probed by 1H spinâ€“lattice relaxation. Solid State Communications, 2004, 132, 443-448.	1.9	32

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109	Proton diffusion in the superprotonic phase of CsHSO4 studied by 1H NMR relaxation. Solid State Ionics, 2004, 171, 289-293.	2.7	44
110	Deuterium diffusion in vanadium deuterides (VDx; 0.4â©½xâ©½0.6) studied by 2H NMR. Journal of Solid State Chemistry, 2004, 177, 824-833.	2.9	3
111	Titanium Niobate and Titanium Tantalate Nanosheets as Strong Solid Acid Catalysts. Journal of Physical Chemistry B, 2004, 108, 11549-11555.	2.6	99
112	Effects of Na+on Dynamics ofp-Nitroaniline Molecules in Zeolite ZSM-5 Studied by Solid-State NMR. Bulletin of the Chemical Society of Japan, 2004, 77, 673-679.	3.2	5
113	Two-Dimensional1H Spin-Exchange NMR Study of Molecular Arrangements in Diphenylhexatrienes. Bulletin of the Chemical Society of Japan, 2004, 77, 2159-2164.	3.2	4
114	Dynamics of acetonitrile and n-hexane in AlPO4-5 studied by 2H NMR. Microporous and Mesoporous Materials, 2003, 66, 253-260.	4.4	6
115	Diffusion of hydrogen isotopes in the monohydride phase of Ti1â^'zVzHxDy studied by 1H and 2H NMR spinâ€“lattice relaxation times. Journal of Physics and Chemistry of Solids, 2003, 64, 2227-2234.	4.0	10
116	Diffusion of hydrogen isotopes and their mutual perturbation in Ti0.33V0.67HxDy (x+yâ‰ˆ0.9) studied by 1H and 2H NMR. Journal of Solid State Chemistry, 2003, 170, 82-93.	2.9	13
117	Exfoliated Nanosheets as a New Strong Solid Acid Catalyst. Journal of the American Chemical Society, 2003, 125, 5479-5485.	13.7	247
118	Synthesis of an Alkylammonium/Magnesium Phyllosilicate Hybrid Nanocomposite Consisting of a Smectite-Like Layer and Organosiloxane Layers. Chemistry of Materials, 2003, 15, 1189-1197.	6.7	55
119	Thermal desorption spectra of hydrogen isotopes in the monohydride phase of Vâ€“Hâ€“D and Tiâ€“Vâ€“Hâ€“D systems. Journal of Alloys and Compounds, 2003, 359, 281-286.	5.5	5
120	Fluorescence Spectra for the Microcrystals and Thin Films oftrans,trans,trans-1,6-Diphenyl-1,3,5-hexatrienes. Journal of Physical Chemistry B, 2003, 107, 3376-3383.	2.6	40
121	Dynamics of p-nitroaniline molecules in siliceous ZSM-5 studied by solid-state NMR. Physical Chemistry Chemical Physics, 2003, 5, 3777.	2.8	11
122	Synthesis of Highly Ordered Hybrid Mesoporous Material Containing Etenylene (â€“CH=CHâ€“) within the Silicate Framework. Chemistry Letters, 2003, 32, 950-951.	1.3	36
123	Intensity Calibration at Low Mass Numbers in Mass Spectrometry Using Metal Hydrides.. Analytical Sciences, 2002, 18, 599-601.	1.6	3
124	Distribution and Dynamics of Hydrogen in the Low-Temperature Phase of Mg2NiH4 Studied by Solid-State NMR. Inorganic Chemistry, 2002, 41, 2238-2242.	4.0	11
125	2H NMR study of sites and dynamics of deuterium and their isotope effects in Ti0.1V0.9HxDy (x+yâ‰ˆ0.7). Journal of Alloys and Compounds, 2002, 330-332, 443-447.	5.5	10
126	Interlamellar Esterification of H-Magadiite with Aliphatic Alcohols. Chemistry of Materials, 2001, 13, 3747-3753.	6.7	60

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127	Intercalation of Nitroanilines into Kaolinite and Second Harmonic Generation. Chemistry of Materials, 2001, 13, 3741-3746.	6.7	82
128	Intermolecular [2+2] Photocycloaddition of Formyl- and Cyano-Substituted Diphenylhexatrienes in the Solid State. Chemistry Letters, 2001, 30, 410-411.	1.3	13
129	NMR study of pore surface and size in the mesoporous material FSM-16. Microporous and Mesoporous Materials, 2000, 39, 25-35.	4.4	23
130	Sites and dynamics of hydrogen in Ti0.1V0.9HxDy (x+yâ‰ˆ0.7) as studied by 1H nuclear magnetic resonance. Journal of Alloys and Compounds, 2000, 305, 136-143.	5.5	14
131	Modification of the Interlayer Surface of Kaolinite with Methoxy Groups. Langmuir, 2000, 16, 5506-5508.	3.5	104
132	Sites and dynamics of hydrogen and deuterium in V-H-D alloys studied by1Hand2HNMR. Physical Review B, 1999, 60, 10302-10315.	3.2	19
133	Dynamics of benzene, cyclohexane and n-hexane in KL zeolite studied by 2H NMR. Physical Chemistry Chemical Physics, 1999, 1, 3839-3843.	2.8	36
134	13C and1H MAS NMR Study of Benzene andp-Xylene in Zeolites and a Mesoporous Material FSM-16. Bulletin of the Chemical Society of Japan, 1997, 70, 97-105.	3.2	13
135	Accurate determination of 1H Knight shifts in Mg2NiHx and MgHx by means of high-speed magic angle spinning. Journal of Alloys and Compounds, 1997, 248, 66-69.	5.5	13
136	Deuteron dynamics and its isotope effect in Î²-Ti1â^'yVyDx as studied by 2H NMR. Journal of Alloys and Compounds, 1997, 256, 145-150.	5.5	9
137	Local structures and hydrogen dynamics in amorphous and nanostructured Mgî—¸Niî—¸H systems as studied by 1H and 2H nuclear magnetic resonance. Journal of Alloys and Compounds, 1997, 261, 145-149.	5.5	8
138	51V and59Co Off-MAS NMR Spectra: Determination of Quadrupole Coupling, Chemical Shift Anisotropy and Their Relative Orientation. Magnetic Resonance in Chemistry, 1996, 34, 791-798.	1.9	22
139	Nuclear spin-lattice relaxation mechanisms in kaolinite confirmed by magic-angle spinning. Solid State Nuclear Magnetic Resonance, 1995, 4, 331-340.	2.3	22
140	Local structure in Î²-Ti1â^'yVyHxstudied by inelastic neutron scattering. Physical Review B, 1995, 51, 5725-5731.	3.2	15
141	NMR Study of Dynamics of Dimethyl Sulfoxide Molecules in Kaolinite/Dimethyl Sulfoxide Intercalation Compound. The Journal of Physical Chemistry, 1995, 99, 7120-7129.	2.9	47
142	1H NMR study of local structure and proton dynamics in Î²-Ti1â^'yVyHx. Journal of Alloys and Compounds, 1995, 231, 226-232.	5.5	13
143	Interatomic distances in layered silicates and their intercalation compounds as studied by cross polarization NMR. Chemical Physics Letters, 1994, 226, 495-500.	2.6	22
144	Effects of magic-angle spinning on spin-lattice relaxations in talc. Solid State Nuclear Magnetic Resonance, 1994, 3, 323-330.	2.3	24

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145	Hydrogen motion and local structure of metals in Î²-Ti1âˆ’yVyHxas studied byH1NMR. Physical Review B, 1993, 48, 5837-5843.	3.2	19
146	NMR study of kaolinite. 1. Silicon-29, aluminum-27, and proton spectra. The Journal of Physical Chemistry, 1992, 96, 10922-10928.	2.9	73
147	NMR study of kaolinite. 2. Proton, aluminum-27, and silicon-29 spin-lattice relaxations. The Journal of Physical Chemistry, 1992, 96, 10928-10933.	2.9	22
148	Chemical Shift Standards in High-Resolution Solid-State NMR (1)13C,29Si, and1H Nuclei. Bulletin of the Chemical Society of Japan, 1991, 64, 685-687.	3.2	214
149	Nuclear Magnetic Resonance Chemical Shifts of Pure Organic Solvents Determined by Magic Angle Spinning. Analytical Sciences, 1991, 7, 955-957.	1.6	32
150	Accurate Determination of NMR Chemical Shifts in Alkali Halides and Their Correlation with Structural Factors. Bulletin of the Chemical Society of Japan, 1990, 63, 913-919.	3.2	79
151	X-ray diffraction and 1H and 51V NMR study of the Tiî—¸Vî—¸H system. Journal of the Less Common Metals, 1990, 161, 61-75.	0.8	21
152	Spinning-rate-dependent line shape in 31P magic-angle spinning NMR spectra of inorganic phosphates. Chemical Physics Letters, 1989, 161, 158-162.	2.6	17
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