Tsuneji Sano

List of Publications by Year
in descending order

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309 papers	8,325 citations	44069 48 h-index	85541 71 g-index
319 all docs	319 docs citations	319 times ranked	6327 citing authors

#	Article	IF	Citations
1	Separation of ethanol/water mixture by silicalite membrane on pervaporation. Journal of Membrane Science, 1994, 95, 221-228.	8.2	266
2	Alkaline-mediated mesoporous mordenite zeolites for acid-catalyzed conversionsâ˜†. Journal of Catalysis, 2007, 251, 21-27.	6.2	211
3	Nanoacorns:â€‰ Anisotropically Phase-Segregated CoPd Sulfide Nanoparticles. Journal of the American Chemical Society, 2004, 126, 9914-9915.	13.7	171
4	Water-gas shift reaction over Cu/ZnO and Cu/ZnO/Al2O3 catalysts prepared by homogeneous precipitation. Applied Catalysis A: General, 2006, 303, 62-71.	4.3	152
5	Mesoporous materials prepared using coal fly ash as the silicon and aluminium source. Journal of Materials Chemistry, 2001, 11, 3285-3290.	6.7	150
6	Remarkable Charge Separation and Photocatalytic Efficiency Enhancement through Interconnection of TiO₂ Nanoparticles by Hydrothermal Treatment. Angewandte Chemie - International Edition, 2016, 55, 3600-3605.	13.8	116
7	Self-regenerative activity of Ni/Mg(Al)O catalysts with trace Ru during daily start-up and shut-down operation of CH4 steam reforming. Journal of Catalysis, 2007, 250, 299-312.	6.2	108
8	Synthesis of high-silica CHA type zeolite by interzeolite conversion of FAU type zeolite in the presence of seed crystals. Microporous and Mesoporous Materials, 2011, 144, 91-96.	4.4	107
9	Synthesis of LEV zeolite by interzeolite conversion method and its catalytic performance in ethanol to olefins reaction. Microporous and Mesoporous Materials, 2009, 122, 149-154.	4.4	101
10	Steam reforming of dimethyl ether over ZSM-5 coupled with Cu/ZnO/Al2O3 catalyst prepared by homogeneous precipitation. Applied Catalysis A: General, 2006, 308, 82-90.	4.3	95
11	Synthesis of high-silica AEI zeolites with enhanced thermal stability by hydrothermal conversion of FAU zeolites, and their activity in the selective catalytic reduction of NO_x with NH₃. Journal of Materials Chemistry A, 2015, 3, 857-865.	10.3	95
12	Effects of noble metal-doping on Cu/ZnO/Al2O3 catalysts for waterâ€“gas shift reaction. Applied Catalysis A: General, 2008, 337, 48-57.	4.3	94
13	Separation of methanolrmmethyl-tert-butyl ether mixture by pervaporation using silicalite membrane. Journal of Membrane Science, 1995, 107, 193-196.	8.2	93
14	Improvement of ethanol selectivity of silicalite membrane in pervaporation by silicone rubber coating. Journal of Membrane Science, 2002, 210, 433-437.	8.2	92
15	Structures of polyethylene and copolymers of ethylene with 1-octene and oligoethylene produced with the Cp2ZrCl2 and [(C5Me4)SiMe2N(t-Bu)]TiCl2 catalysts. Macromolecular Chemistry and Physics, 1996, 197, 4237-4251.	2.2	90
16	Acid stability evaluation of CHA-type zeolites synthesized by interzeolite conversion of FAU-type zeolite and their membrane application for dehydration of acetic acid aqueous solution. Microporous and Mesoporous Materials, 2012, 158, 141-147.	4.4	90
17	Hydrothermal conversion of FAU into âˆ—BEA zeolites. Microporous and Mesoporous Materials, 2006, 96, 72-78.	4.4	88
18	High Potential of Interzeolite Conversion Method for Zeolite Synthesis. Journal of the Japan Petroleum Institute, 2013, 56, 183-197.	0.6	87

#	Article	IF	Citations
19	Nanosized CHA zeolites with high thermal and hydrothermal stability derived from the hydrothermal conversion of FAU zeolite. Microporous and Mesoporous Materials, 2016, 225, 524-533.	4.4	86
20	Conversion of ethanol to propylene over HZSM-5 type zeolites containing alkaline earth metals. Applied Catalysis A: General, 2010, 383, 89-95.	4.3	81
21	Synthesis of High-silica CHA Zeolite from FAU Zeolite in the Presence of Benzyltrimethylammonium Hydroxide. Chemistry Letters, 2008, 37, 908-909.	1.3	77
22	Characterization of AlSBA-15 prepared by post-synthesis alumination with trimethylaluminium. Journal of Materials Chemistry, 2001, 11, 1111-1115.	6.7	75
23	An Insight into the Process Involved in Hydrothermal Conversion of FAU toâ€‰*BEA Zeolite. Chemistry of Materials, 2008, 20, 4135-4141.	6.7	73
24	Promoting effect of Rh, Pd and Pt noble metals to the Ni/Mg(Al)O catalysts for the DSS-like operation in CH4 steam reforming. Applied Catalysis A: General, 2006, 310, 97-104.	4.3	71
25	Transformation of LEV-type zeolite into less dense CHA-type zeolite. Microporous and Mesoporous Materials, 2012, 158, 117-122.	4.4	71
26	Catalytic behavior of ternary Cu/ZnO/Al2O3 systems prepared by homogeneous precipitation in water-gas shift reaction. Journal of Molecular Catalysis A, 2007, 275, 130-138.	4.8	70
27	Improved Fe/Mg-Al hydrotalcite catalyst for Baeyerâ€“Villiger oxidation of ketones with molecular oxygen and benzaldehyde. Journal of Molecular Catalysis A, 2006, 253, 279-289.	4.8	69
28	Self-activation and self-regenerative activity of trace Rh-doped Ni/Mg(Al)O catalysts in steam reforming of methane. Applied Catalysis A: General, 2007, 332, 98-109.	4.3	69
29	Role of Structural Similarity Between Starting Zeolite and Product Zeolite in the Interzeolite Conversion Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 3020-3026.	0.9	67
30	Effect of acidity of ZSM-5 zeolite on conversion of ethanol to propylene. Applied Catalysis A: General, 2011, 399, 262-267.	4.3	66
31	Influence of seeding on FAUâ€“âˆ—BEA interzeolite conversions. Microporous and Mesoporous Materials, 2011, 142, 161-167.	4.4	64
32	<i>In Situ</i> Spectroscopic Studies on the Redox Cycle of NH₃âˆ’SCR over Cuâˆ’CHA Zeolites. ChemCatChem, 2020, 12, 3050-3059.	3.7	64
33	Concentration of fermented ethanol by pervaporation using silicalite membranes coated with silicone rubber. Desalination, 2002, 149, 49-54.	8.2	63
34	Formation of Low-Symmetric 2D Superlattices of Gold Nanoparticles through Surface Modification by Acidâˆ’Base Interaction. Journal of the American Chemical Society, 2003, 125, 8708-8709.	13.7	62
35	Efficient and Selective Photocatalytic Cyclohexane Oxidation on a Layered Titanate Modified with Iron Oxide under Sunlight and CO₂ Atmosphere. ACS Catalysis, 2012, 2, 1910-1915.	11.2	61
36	Drastic improvement of bioethanol recovery using a pervaporation separation technique employing a silicone rubber-coated silicalite membrane. Journal of Chemical Technology and Biotechnology, 2003, 78, 1006-1010.	3.2	60

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37	Novel Synthesis of FePt Nanoparticles and Magnetic Properties of Their Self-assembled Superlattices. Chemistry Letters, 2004, 33, 130-131.	1.3	59
38	Improvement of the pervaporation performance of silicalite membranes by modification with a silane coupling reagent. Microporous Materials, 1995, 5, 179-184.	1.6	57
39	Layered Silicate as an Excellent Partner of a TiO₂ Photocatalyst for Efficient and Selective Green Fine-Chemical Synthesis. Journal of the American Chemical Society, 2013, 135, 11784-11786.	13.7	57
40	Direct synthesis of high-silica mordenite using seed crystals. Microporous and Mesoporous Materials, 2004, 76, 1-7.	4.4	56
41	Cu/Zn-based catalysts improved by adding magnesium for waterâ€“gas shift reaction. Journal of Molecular Catalysis A, 2006, 253, 270-278.	4.8	55
42	Sunlight-induced efficient and selective photocatalytic benzene oxidation on TiO2-supported gold nanoparticles under CO2 atmosphere. Chemical Communications, 2011, 47, 11531.	4.1	55
43	Facile Synthesis of AEI Zeolites by Hydrothermal Conversion of FAU Zeolites in the Presence of Tetraethylphosphonium Cations. Chemistry Letters, 2014, 43, 302-304.	1.3	52
44	Amino acid containing amorphous calcium phosphates and the rapid transformation into apatite. Journal of Materials Chemistry, 2009, 19, 4906.	6.7	51
45	Synthesis of phosphorus-modified small-pore zeolites utilizing tetraalkyl phosphonium cations as both structure-directing and phosphorous modification agents. Microporous and Mesoporous Materials, 2016, 223, 129-139.	4.4	51
46	Growth Process of ZSM-5 Zeolite Film. Bulletin of the Chemical Society of Japan, 1992, 65, 146-154.	3.2	50
47	Hydrothermal conversion of FAU zeolite into RUT zeolite in TMAOH system. Microporous and Mesoporous Materials, 2008, 113, 56-63.	4.4	50
48	Preparation and crystal structure of RUB-18 modified for synthesis of zeolite RWR by topotactic conversion. Microporous and Mesoporous Materials, 2008, 110, 488-500.	4.4	49
49	Recent progress in the improvement of hydrothermal stability of zeolites. Chemical Science, 2021, 12, 7677-7695.	7.4	49
50	Functionalization of Layered Titanates. Journal of Nanoscience and Nanotechnology, 2014, 14, 2135-2147.	0.9	48
51	Effects of Al/Zr ratio on ethyleneâ€“propylene copolymerization with supported-zirconocene catalysts. Journal of Molecular Catalysis A, 2001, 169, 275-287.	4.8	47
52	Promoting effect of Ru on Ni/Mg(Al)O catalysts in DSS-like operation of CH4 steam reforming. Catalysis Communications, 2007, 8, 447-451.	3.3	46
53	Microporous titanate nanofibers for highly efficient UV-protective transparent coating. Journal of Materials Chemistry A, 2014, 2, 16381-16388.	10.3	46
54	Separation of Ethanol/Water Mixture by Silicalite Membrane. Chemistry Letters, 1992, 21, 2413-2414.	1.3	45

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55	Synthesis and thermal stability of beta zeolite using ammonium fluoride. Microporous and Mesoporous Materials, 2006, 89, 88-95.	4.4	45
56	Hydrothermal conversion of FAU zeolite into LEV zeolite in the presence of non-calcined seed crystals. Journal of Crystal Growth, 2011, 325, 96-100.	1.5	45
57	Sustainability of Ni loaded Mgâ€“Al mixed oxide catalyst in daily startup and shutdown operations of CH4 steam reforming. Applied Catalysis A: General, 2006, 308, 194-203.	4.3	42
58	Synthesis of high-silica offretite by the interzeolite conversion method. Materials Research Bulletin, 2010, 45, 646-650.	5.2	42
59	Partial oxidation of propane to synthesis gas over noble metals-promoted Ni/Mg(Al)O catalystsâ€"High activity of Ruâ€“Ni/Mg(Al)O catalyst. Applied Catalysis A: General, 2007, 318, 143-154.	4.3	41
60	Superior catalytic behavior of trace Pt-doped Ni/Mg(Al)O in methane reforming under daily start-up and shut-down operation. Applied Catalysis A: General, 2008, 350, 225-236.	4.3	41
61	Alternating copolymerization of ethylene and 1-octene with meso-[dimethylsilylbis(2-methyl-1-indenyl)]zirconium dichloride-methylaluminoxane as catalyst system. Macromolecular Rapid Communications, 1997, 18, 883-889.	3.9	40
62	Memory effect-enhanced catalytic ozonation of aqueous phenol and oxalic acid over supported Cu catalysts derived from hydrotalcite. Applied Clay Science, 2006, 33, 247-259.	5.2	40
63	Partial oxidation of propane over Ru promoted Ni/Mg(Al)O catalysts. Applied Catalysis A: General, 2007, 321, 155-164.	4.3	39
64	Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO2â€“choline hydroxideâ€“NaOHâ€“H2O system. Journal of Materials Chemistry, 2012, 22, 13682.	6.7	39
65	Hydrothermal conversion of FAU and âˆ—BEA-type zeolites into MAZ-type zeolites in the presence of non-calcined seed crystals. Microporous and Mesoporous Materials, 2014, 196, 254-260.	4.4	38
66	Convenient conversion of crystalline layered silicate octosilicate into RWR-type zeolite by acetic acid intercalation. New Journal of Chemistry, 2007, 31, 593.	2.8	37
67	Hydrothermal conversion of FAU zeolite into aluminous MTN zeolite. Journal of Porous Materials, 2009, 16, 465-471.	2.6	37
68	Ethylbenzene dehydrogenation over binary FeOxâ€“MeOy/Mg(Al)O catalysts derived from hydrotalcites. Applied Catalysis A: General, 2010, 390, 225-234.	4.3	37
69	Ethylbenzene dehydrogenation over FeOx/(Mg,Zn)(Al)O catalysts derived from hydrotalcites: Role of MgO as basic sites. Applied Catalysis A: General, 2011, 398, 113-122.	4.3	37
70	Adsorptive separation of methylalumoxane by mesoporous molecular sieve MCM-41. Chemical Communications, 1999, , 733-734.	4.1	36
71	Direct hydrothermal synthesis and stabilization of high-silica mordenite (Siâˆ¶Al = 25) using tetraethylammonium and fluoride ions. Journal of Materials Chemistry, 2003, 13, 1173-1179.	6.7	36
72	One-pot Synthesis of Phosphorus-modified AEI Zeolites Derived by the Dual-template Method as a Durable Catalyst with Enhanced Thermal/Hydrothermal Stability for Selective Catalytic Reduction of NO<i>_x</i> by NH₃. Chemistry Letters, 2016, 45, 122-124.	1.3	36

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73	A Collective Case Screening of the Zeolites made in Japan for High Performance NH3-SCR of NOx. Bulletin of the Chemical Society of Japan, 2018, 91, 355-361.	3.2	36
74	The effect of preparation methods on the properties of zirconia/silicas. Journal of Molecular Catalysis, 1994, 94, 85-96.	1.2	35
75	Title is missing!. Biotechnology Letters, 1999, 21, 1037-1041.	2.2	34
76	Effect of Aluminum Source on Hydrothermal Synthesis of High-Silica Mordenite in Fluoride Medium, and It's Thermal Stability. Chemistry of Materials, 2004, 16, 286-291.	6.7	34
77	Synthesis and Crystal Structure of a Layered Silicate HUS-1 with a Halved Sodalite-Cage Topology. Inorganic Chemistry, 2011, 50, 2294-2301.	4.0	34
78	Thermally stable nanosized LEV zeolites synthesized by hydrothermal conversion of FAU zeolites in the presence of N,N-dimethylpiperidinium cations. Journal of Materials Chemistry A, 2017, 5, 19245-19254.	10.3	34
79	Materials chemistry communications. New preparation method for highly siliceous zeolite films. Journal of Materials Chemistry, 1992, 2, 141.	6.7	33
80	Preparation and characterization of polypropylene/mesoporous silica nanocomposites with confined polypropylene. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 3324-3332.	2.1	33
81	Hydrothermal and solid-state transformation of ruthenium-supported Keggin-type heteropolytungstates [XW11O39{Ru(ii)(benzene)(H2O)}]nâˆ' (X = P (n = 5), Si (n = 6), Ge (n = 6)) to ruthenium-substituted Keggin-type heteropolytungstates. Dalton Transactions, 2012, 41, 9901.	3.3	33
82	Conversion of ethanol to propylene over HZSM-5(Ga) co-modified with lanthanum and phosphorous. Applied Catalysis A: General, 2012, 417-418, 137-144.	4.3	33
83	Phosphorus modified small-pore zeolites and their catalytic performances in ethanol conversion and NH3-SCR reactions. Applied Catalysis A: General, 2019, 575, 204-213.	4.3	33
84	Characterization of MAO-modified silicas. Journal of Molecular Catalysis A, 2002, 185, 223-235.	4.8	32
85	Effective MgO surface doping of Cu/Zn/Al oxides as waterâ€"gas shift catalysts. Applied Clay Science, 2009, 44, 211-217.	5.2	32
86	Synthesis of titanated chabazite with enhanced thermal stability by hydrothermal conversion of titanated faujasite. Microporous and Mesoporous Materials, 2015, 215, 58-66.	4.4	32
87	Mesoporous MCM-48 Immobilized with Aminopropyltriethoxysilane: A Potential Catalyst for Transesterification of Triacetin. Catalysis Letters, 2017, 147, 1040-1050.	2.6	32
88	Synthesis of functionalized alternating olefin copolymer and modification to graft copolymer by hydrosilylation. Journal of Polymer Science Part A, 2000, 38, 1844-1847.	2.3	31
89	Bromine addition and successive amine substitution of mesoporous ethylenesilica: Reaction, characterizations and arsenate adsorption. Microporous and Mesoporous Materials, 2007, 100, 328-339.	4.4	31
90	Direct observation of surface structure of mesoporous silica with low acceleration voltage FE-SEM. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 357, 11-16.	4.7	31

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91	Preparation and StructuralCharacterization of Ru^{II}â€DMSO and Ru^{III}â€DMSOâ€substituted Î±â€Kegginâ€type Phosphotungstates, [PW₁₁O₃₉Ru^{II}DMSO]^{5â€“} and [PW₁₁O₃₉Ru^{III}DMSO]^{4â€“}, and Catalytic Activity for Water Oxidation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1467-1474.	1.2	31
92	Influences of aliphatic alcohols on crystallization of large mordenite crystals and their sorption properties. Journal of Materials Chemistry, 2003, 13, 181-185.	6.7	30
93	Highly active and selective Ti-incorporated porous silica catalysts derived from grafting of titanium(<scp>iv</scp>)acetylacetonate. Journal of Materials Chemistry A, 2015, 3, 15280-15291.	10.3	30
94	Formation Pathway of AEI Zeolites as a Basis for a Streamlined Synthesis. Chemistry of Materials, 2020, 32, 60-74.	6.7	30
95	Synthesis of aluminophosphate molecular sieves with AFI topology substituted by alkaline earth metal and their application to solid acid catalysis. Microporous and Mesoporous Materials, 2005, 81, 289-303.	4.4	29
96	FAUâ€“LEV interzeolite conversion in fluoride media. Microporous and Mesoporous Materials, 2011, 138, 32-39.	4.4	29
97	Effective and Selective Bisphenol A Synthesis on a Layered Silicate with Spatially Arranged Sulfonic Acid. ACS Applied Materials & Interfaces, 2012, 4, 2186-2191.	8.0	29
98	Design of Layered Silicate by Grafting with Metal Acetylacetonate for High Activity and Chemoselectivity in Photooxidation of Cyclohexane. ACS Applied Materials & Interfaces, 2014, 6, 4616-4621.	8.0	28
99	Alternating copolymerization of ethylene and propene with the [ethylene(1-indenyl)(9-fluorenyl)]zirconium dichloridemethylaluminoxane catalyst system. Macromolecular Rapid Communications, 1998, 19, 337-339.	3.9	28
100	Photocatalytic decomposition of 2-propanol in air by mechanical mixtures of TiO2 crystalline particles and silicalite adsorbent: The complete conversion of organic molecules strongly adsorbed within zeolitic channels. Microporous and Mesoporous Materials, 2009, 117, 350-355.	4.4	27
101	Sustainable Ru-doped Ni catalyst derived from hydrotalcite in propane reforming. Applied Clay Science, 2009, 43, 49-56.	5.2	27
102	Highly efficient and selective sunlight-induced photocatalytic oxidation of cyclohexane on an eco-catalyst under a CO2 atmosphere. Green Chemistry, 2012, 14, 1264.	9.0	27
103	Stabilization of Highâ€Valence Ruthenium with Silicotungstate Ligands: Preparation, Structural Characterization, and Redox Studies of Ruthenium(III)â€Substituted Î±â€Kegginâ€Type Silicotungstates with Pyridine Ligands, [SiW₁₁O₃₉Ru^{III}(Py)]^{5âˆ’}. Chemistry - an Asian Journal, 2012, 7, 1331-1339.	3.3	27
104	Incorporation of various heterometal atoms in CHA zeolites by hydrothermal conversion of FAU zeolite and their performance for selective catalytic reduction of NO x with ammonia. Microporous and Mesoporous Materials, 2017, 246, 89-101.	4.4	27
105	Synthesis of ethylene-Î±-olefin alternating copolymers with Et(1-Ind)(9-Flu)ZrCl2-MAO catalyst system. Macromolecular Chemistry and Physics, 2000, 201, 1748-1752.	2.2	26
106	Dependence of the diffusion coefficients of methane in silicalite on diffusion distance as investigated by 1H PFG NMR. Chemical Physics Letters, 2004, 393, 87-91.	2.6	26
107	Ternary modified TiO2 as a simple and efficient photocatalyst for green organic synthesis. Chemical Communications, 2013, 49, 3652.	4.1	26
108	Fe oxide nanoparticles/Ti-modified mesoporous silica as a photo-catalyst for efficient and selective cyclohexane conversion with O₂ and solar light. Journal of Materials Chemistry A, 2016, 4, 15829-15835.	10.3	26

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109	Theoretical study on 31P NMR chemical shifts of phosphorus-modified CHA zeolites. Microporous and Mesoporous Materials, 2020, 294, 109908.	4.4	26
110	Indenyl-silica xerogels: new materials for supporting metallocene catalysts. Applied Catalysis A: General, 2001, 220, 287-302.	4.3	25
111	Effect of the framework structure on the dealuminationâ€“realumination behavior of zeolite. Materials Chemistry and Physics, 2003, 78, 551-557.	4.0	25
112	Highly Active Layered Titanosilicate Catalyst with High Surface Density of Isolated Titanium on the Accessible Interlayer Surface. ChemCatChem, 2018, 10, 2536-2540.	3.7	25
113	Dealumination of ZSM-5 Zeolites with Water. Chemistry Letters, 1987, 16, 1421-1424.	1.3	24
114	Facile preparation of SBA-15-supported niobic acid (Nb2O5Â·nH2O) catalyst and its catalytic activity. Applied Catalysis A: General, 2009, 365, 261-267.	4.3	24
115	Precisely designed layered silicate as an effective and highly selective CO2 adsorbent. Chemical Communications, 2013, 49, 9027.	4.1	24
116	Silicalite Membrane for Separation of Acetic Acid / Water Mixture. Chemistry Letters, 1995, 24, 153-154.	1.3	23
117	Estimation of spacing between 3-bromopropyl functions grafted on mesoporous silica surfaces by a substitution reaction using diamine probe molecules. Journal of Materials Chemistry, 2007, 17, 3901.	6.7	23
118	Preparation of Ti incorporated Y zeolites by a post-synthesis method under acidic conditions and their catalytic properties. Applied Catalysis A: General, 2010, 388, 256-261.	4.3	23
119	Effects of Au Loading and CO₂ Addition on Photocatalytic Selective Phenol Oxidation over TiO₂â€Supported Au Nanoparticles. ChemCatChem, 2013, 5, 766-773.	3.7	23
120	Mesoporous silica as nanoreactor for olefin polymerization. Catalysis Surveys From Asia, 2004, 8, 295-304.	2.6	22
121	Effect of ammonium salts on hydrothermal synthesis of high-silica mordenite. Microporous and Mesoporous Materials, 2005, 81, 365-374.	4.4	22
122	Polymerisation of aminopropyltrialkoxysilane in the presence of carboxylate: a new layered organosilica mesocomposite built up using intermolecular interactions with LB film-type self-assembly. Journal of Materials Chemistry, 2007, 17, 1372.	6.7	22
123	Synthesis and characteristics of novel layered silicate HUS-7 using benzyltrimethylammonium hydroxide and its unique and selective phenol adsorption behavior. Journal of Materials Chemistry A, 2014, 2, 3372.	10.3	22
124	ZTS-1 and ZTS-2: Novel intergrowth zeolites with AFX/CHA structure. Microporous and Mesoporous Materials, 2017, 254, 160-169.	4.4	22
125	Synthesis of phosphorus-modified AFX zeolite using a dual-template method with tetraethylphosphonium hydroxide as phosphorus modification agent. Microporous and Mesoporous Materials, 2018, 267, 192-197.	4.4	22
126	Comparison of sulfonic acid loaded mesoporous silica in transesterification of triacetin. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 167-179.	1.7	22

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127	Photocatalytic Activation of Câ€“H Bonds by Spatially Controlled Chlorine and Titanium on the Silicate Layer. ACS Catalysis, 2019, 9, 5742-5751.	11.2	22
128	Comparative study between high-silica faujasites (FAU) from organic-free system and the commercial zeolite Y. Microporous and Mesoporous Materials, 2019, 276, 154-159.	4.4	22
129	Hydroconversion of Benzene over ZSM-5 Zeolite. Journal of Molecular Catalysis, 1987, 40, 113-117.	1.2	21
130	Effect of preparation methods on properties of amorphous alumina/silicas. Journal of Materials Chemistry, 1994, 4, 1131.	6.7	21
131	Synthesis of lamellar mesostructured calcium phosphates using n-alkylamines as structure-directing agents in alcohol/water mixed solvent systems. Journal of Materials Science, 2008, 43, 4198-4207.	3.7	21
132	Preparation of â€œintelligentâ€•Pt/Ni/Mg(Al)O catalysts starting from commercial Mgâ€“Al LDHs for daily start-up and shut-down steam reforming of methane. Applied Clay Science, 2009, 45, 147-154.	5.2	21
133	Influence of starting zeolite on synthesis of RUT type zeolite by interzeolite conversion method. Journal of Crystal Growth, 2011, 314, 274-278.	1.5	21
134	High-quality synthesis of a nanosized CHA zeolite by a combination of a starting FAU zeolite and aluminum sources. Dalton Transactions, 2020, 49, 9972-9982.	3.3	21
135	Olefin hydrogenation over zeolite H-ZSM-5.. Sekiyu Gakkaishi (Journal of the Japan Petroleum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1	0.1	20
136	Poly(4-vinylpyridine)-supported cationic bis(cyclopentadienyl)zirconocene catalyst: Development of a new simple method to prepare polymer-supported cationic zirconocene and its application to ethylene polymerization. Macromolecular Rapid Communications, 2000, 21, 675-679.	3.9	20
137	Stabilization of bioethanol recovery with silicone rubber-coated ethanol-permselective silicalite membranes by controlling the pH of acidic feed solution. Journal of Chemical Technology and Biotechnology, 2005, 80, 381-387.	3.2	20
138	Determination of Î±-Keggin structure of [GeW₁₁O₃₉Ru^{III}(H₂O)]^{5âˆ’}. Reaction of [GeW₁₁O₃₉Ru^{III}(H₂O)]^{5âˆ’}with dimethyl sulfoxide to form [GeW₁₁O₃₉Ru^{III}(dmso)]^{5âˆ’}and their structural characterization. Dalton Transactions, 2013, 42, 2540-2545.	3.3	20
139	Preparation and Characterization of Preysslerâ€type Phosphotungstic Acid, H_{15â€“<i>n</i>}[P₅W₃₀O₁₁₀<i>Mⁿ</i>⁺], with Different Encapsulated Cations (<i>M</i> = Na, Ca, Bi, Eu, Y, or Ce), and their Thermal Stability and Acid Catalyst Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1314-1321.	1.2	20
140	Cation Effect on Formation of Preysslerâ€type 30â€Tungstoâ€5â€phosphate: Enhanced Yield of Naâ€encapsulated Derivative and Direct Synthesis of Caâ€•and Biâ€Encapsulated Derivatives. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2670-2676.	1.2	20
141	Design of Microporous Material HUS-10 with Tunable Hydrophilicity, Molecular Sieving, and CO₂ Adsorption Ability Derived from Interlayer Silylation of Layered Silicate HUS-2. ACS Applied Materials & Interfaces, 2015, 7, 24360-24369.	8.0	20
142	Deactivation resistance of ZSM-5-type zeolites containing alkaline earth metals used for methanol conversion. Applied Catalysis, 1988, 41, 121-135.	0.8	19
143	Growth behaviors of AFI type crystals. Microporous and Mesoporous Materials, 2003, 64, 145-153.	4.4	19
144	Reliable production of highly concentrated bioethanol by a conjunction of pervaporation using a silicone rubber sheet-covered silicalite membrane with adsorption process. Journal of Chemical Technology and Biotechnology, 2004, 79, 896-901.	3.2	19

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145	Control of crystal size of high-silica mordenite by quenching in the course of crystallization process. Microporous and Mesoporous Materials, 2006, 95, 141-145.	4.4	19
146	Structural and physico-chemical properties of high-silica mordenite. Microporous and Mesoporous Materials, 2007, 101, 127-133.	4.4	19
147	Steam reforming of CH4 over Ni-Ru catalysts supported on Mg-Al mixed oxide. Topics in Catalysis, 2007, 42-43, 471-474.	2.8	19
148	Templating Route for Mesostructured Calcium Phosphates with Carboxylic Acid- and Amine-Type Surfactants. Langmuir, 2008, 24, 13113-13120.	3.5	19
149	Preparation of Crystalline Tungsten Oxide Nanorods with Enhanced Photocatalytic Activity under Visible Light Irradiation. Chemistry Letters, 2011, 40, 443-445.	1.3	19
150	Effect of Structure-Directing Agents on FAUâ€“CHA Interzeolite Conversion and Preparation of High Pervaporation Performance CHA Zeolite Membranes for the Dehydration of Acetic Acid Solution. Bulletin of the Chemical Society of Japan, 2013, 86, 1333-1340.	3.2	19
151	Characterization and Catalytic Activities of Faujasites Synthesized by Using Coal Fly Ash.. Journal of the Ceramic Society of Japan, 2001, 109, 968-973.	1.3	18
152	Convenient synthesis of large mordenite crystals. Journal of Crystal Growth, 2006, 291, 521-526.	1.5	18
153	Stabilized production of highly concentrated bioethanol from fermentation broths by <i>Zymomonas mobilis</i> by pervaporation using silicone rubberâ€coated silicalite membranes. Journal of Chemical Technology and Biotechnology, 2007, 82, 745-751.	3.2	18
154	â€œGreenâ€•preparation of â€œintelligentâ€•Pt-doped Ni/Mg(Al)O catalysts for daily start-up and shut-down CH4 steam reforming. Applied Catalysis A: General, 2009, 363, 169-179.	4.3	18
155	Thermal Stability and Acidic Strength of Preysslerâ€Type Phosphotungstic Acid, H₁₄[P₅W₃₀O₁₁₀Na] and It's Catalytic Activity for Hydrolysis of Alkyl Acetates. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2120-2124.	1.2	18
156	Inhibition of Dealumination of ZSM-5 Zeolites by Alkali Metals. Chemistry Letters, 1987, 16, 1507-1510.	1.3	17
157	Synthesis of Isotactic Poly(propylene) by Titanium Based Catalysts Containing Diamide Ligands. Macromolecular Chemistry and Physics, 2001, 202, 482-487.	2.2	17
158	Role of ammonium fluoride in crystallization process of beta zeolite. Journal of Crystal Growth, 2007, 307, 177-184.	1.5	17
159	Aluminum distribution in high-silica mordenite. Journal of Porous Materials, 2007, 14, 89-96.	2.6	17
160	Molecular recognitive adsorption of aqueous tetramethylammonium on the organic derivative of Hiroshima University Silicate-1 with a silane coupling reagent. Chemical Communications, 2012, 48, 7073.	4.1	17
161	Effect of crystal size and surface modification of ZSM-5 zeolites on conversion of ethanol to propylene. Journal of Porous Materials, 2014, 21, 433-440.	2.6	17
162	Preparation of Preyssler-type Phosphotungstate with One Central Potassium Cation and Potassium Cation Migration into the Preyssler Molecule to form Di-Potassium-Encapsulated Derivative. ACS Omega, 2018, 3, 2363-2373.	3.5	17

#	Article	IF	Citations
163	THE ROLE OF ADDITIVES ON THE IMPROVEMENT OF THE ISOTACTICITY OF POLYPROPYLENEâ€"A POSSIBLE INTERPRETATION. Chemistry Letters, 1982, 11, 425-428.	1.3	16
164	Effective activation of metallocene catalyst with AlMCM-41 in propylene polymerization. Catalysis Letters, 2001, 71, 105-110.	2.6	16
165	Standardization of catalyst preparation using reference catalyst: ion exchange of mordenite type zeolite. Applied Catalysis A: General, 2005, 283, 63-74.	4.3	16
166	Standardization of catalyst preparation using reference catalyst: ion exchange of mordenite type zeolite. Applied Catalysis A: General, 2005, 283, 75-84.	4.3	16
167	Preparation and Redox Studies of Î±₁- and Î±₂-Isomers of Mono-Ru-Substituted Dawson-type Phosphotungstates with a DMSO Ligand: [Î±₁/Î±₂-P₂W₁₇O₆₁Ru^{II}(DMSO)]^{8â€"}. Inorganic Chemistry, 2014, 53, 3526-3539.	4.0	16
168	Remarkable Charge Separation and Photocatalytic Efficiency Enhancement through Interconnection of TiO₂ Nanoparticles by Hydrothermal Treatment. Angewandte Chemie, 2016, 128, 3664-3669.	2.0	16
169	Preparation of Î±₁- and Î±₂-isomers of mono-Ru-substituted Dawson-type phosphotungstates with an aqua ligand and comparison of their redox potentials, catalytic activities, and thermal stabilities with Keggin-type derivatives. Dalton Transactions, 2016, 45, 3715-3726.	3.3	16
170	Design of a highly active base catalyst through utilizing organic-solvent-treated layered silicate Hiroshima University Silicates. Dalton Transactions, 2017, 46, 7441-7450.	3.3	16
171	Zeolite hydrothermal conversion in the presence of various cyclic alkylammonium cations and synthesis of nanosized BEA and MFI zeolites. Microporous and Mesoporous Materials, 2019, 277, 115-123.	4.4	16
172	Baeyerâ€"Villiger Oxidation over HZSM-5 Type Zeolites. Bulletin of the Chemical Society of Japan, 1997, 70, 2567-2570.	3.2	15
173	Adsorption of Toluene on Alkali Metal Ion-Exchanged ZSM-5 and Î²-Zeolites under Humid Conditions. Bulletin of the Chemical Society of Japan, 2012, 85, 869-876.	3.2	15
174	Stepwise Gel Preparation for High-Quality CHA Zeolite Synthesis: AÂCommon Tool for Synthesis Diversification. Crystal Growth and Design, 2018, 18, 5652-5662.	3.0	15
175	The Steam Stability of H-ZSM-5-Type Zeolites Containing Alkaline Earth Metals. Bulletin of the Chemical Society of Japan, 1987, 60, 791-793.	3.2	14
176	Synthesis of Light Olefins from Methanol Using ZSM-5 Type Zeolite Catalysts.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1992, 35, 429-440.	0.1	14
177	Isospecific Propylene Polymerization Using the [ArN(CH2)3NAr]TiCl2/Al(iBu)3/Ph3CB(C6F5)4 Catalyst System in the Presence of Cyclohexene. Macromolecular Chemistry and Physics, 2001, 202, 3279-3283.	2.2	14
178	Citrate or hydrotalcite?. Applied Catalysis A: General, 2009, 356, 231-242.	4.3	14
179	Recreation of BrÃ¸nsted acid sites in phosphorus-modified HZSM-5(Ga) by modification with various metal cations. Applied Catalysis A: General, 2014, 481, 161-168.	4.3	14
180	Condensed ferric dimers for green photocatalytic synthesis of nylon precursors. Chemical Science, 2019, 10, 6604-6611.	7.4	14

#	Article	IF	Citations
181	Co-incorporation of Al and Ga into BEA zeolite by the pH control method. Microporous and Mesoporous Materials, 2003, 66, 109-116.	4.4	13
182	Synthesis and characterization of large beta zeolite crystals using ammonium fluoride. Journal of Materials Science, 2006, 41, 1861-1864.	3.7	13
183	Processing of ethanol fermentation broths by <i>Candida krusei</i> to separate bioethanol by pervaporation using silicone rubberâ€coated silicalite membranes. Journal of Chemical Technology and Biotechnology, 2009, 84, 1172-1177.	3.2	13
184	Characterization of layered silicate HUS-5 and formation of novel nanoporous silica through transformation of HUS-5 ion-exchanged with alkylammonium cations. Journal of Materials Chemistry A, 2013, 1, 9680.	10.3	13
185	Encapsulation of Two Potassium Cations in Preyssler-Type Phosphotungstates: Preparation, Structural Characterization, Thermal Stability, Activity as an Acid Catalyst, and HAADF-STEM Images. Inorganic Chemistry, 2016, 55, 11583-11592.	4.0	13
186	Synthesis of Îµ-Keggin-Type Cobaltomolybdate-Based 3D Framework Material and Characterization Using Atomic-Scale HAADF-STEM and XANES. Inorganic Chemistry, 2017, 56, 2042-2049.	4.0	13
187	Revealing scenarios of interzeolite conversion from FAU to AEI through the variation of starting materials. Physical Chemistry Chemical Physics, 2022, 24, 4136-4146.	2.8	13
188	Ethylene and propylene polymerizations with the MgCl2-supported tris(acetylacetonato)chromium-diethylaluminium chloride catalyst system. Macromolecular Chemistry and Physics, 2000, 201, 1605-1609.	2.2	12
189	Preparation of the silicalite membranes using a seeding technique under various hydrothermal conditions. Desalination, 2002, 144, 47-52.	8.2	12
190	Syntheses of the Novel Acidic and Basic Ligands and Superlattice Formation from Gold Nanoparticles through Interparticle Acidâ€"Base Interaction. Bulletin of the Chemical Society of Japan, 2004, 77, 1589-1597.	3.2	12
191	Preparation of tetrabutylammonium salt of a mono-Ru(iii)-substituted Î±-Keggin-type silicotungstate with a 4,4â€²-bipyridine ligand and its electrochemical behaviour in organic solvents. Dalton Transactions, 2013, 42, 7190.	3.3	12
192	In situ/operando spectroscopic studies on NH3â€"SCR reactions catalyzed by a phosphorus-modified Cu-CHA zeolite. Catalysis Today, 2021, 376, 73-80.	4.4	12
193	Hydrothermal Conversion of Titanated FAU to AEI Zeolite and Its Enhanced Catalytic Performance for NO_{<I>x</I>} Reduction. Advanced Porous Materials, 2016, 4, 62-72.	0.3	12
194	Effect of Solvent Diols and Ligands on the Properties of Sol-Gel Alumina-Silicas. Journal of Sol-Gel Science and Technology, 1998, 13, 1027-1031.	2.4	11
195	Control of spacing between aminoalkyl functions by mesostructural transition in a polysilsesquioxane lamellar assembly. Journal of Materials Chemistry, 2010, 20, 2024.	6.7	11
196	Influence of structural differences and acidic properties of phosphotungstic acids on their catalytic performance for acylation of pyruvate ester to Î±-acyloxyacrylate ester. Catalysis Today, 2011, 164, 107-111.	4.4	11
197	Hydrogenation of Carbon Monoxide to Form Light Olefins over an Iron-modified Crystalline Silica. Bulletin of the Chemical Society of Japan, 1985, 58, 1317-1318.	3.2	10
198	A new metal zeolite catalyst for the Fischerâ€"Tropsch reaction. Zeolites, 1985, 5, 194-196.	0.5	10

#	Article	IF	Citations
199	Realumination of dealuminated HZSM-5 zeolites by acid treatment. Chemical Communications, 1997, , 1945.	4.1	10
200	Synthesis of 1,3-dioxolan-4-one from trioxane and carbon monoxide on HZSM-5 zeolite. Chemical Communications, 1997, , 1827.	4.1	10
201	Synthesis of Terminally Functionalized Isotactic Poly(propylene) with a [ArN(CH2)3NAr]TiCl2 (Ar =) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	10
202	Solubility and Crystallization-controlled Synthesis of Lamellar Mesostructured Calcium Phosphate in the Ethanol/Water System. Chemistry Letters, 2006, 35, 948-949.	1.3	10
203	Realumination of zeolite Y under acidic conditions. Journal of Porous Materials, 2007, 14, 19-26.	2.6	10
204	Structural conversion of crystalline layered silicate magadiite to microporous material by acetic acid intercalation. Journal of Porous Materials, 2009, 16, 641-649.	2.6	10
205	Ethylbenzene dehydrogenation over Mg3Fe0.5â^’xCoxAl0.5 catalysts derived from hydrotalcites: Comparison with Mg3Fe0.5â^’yNiyAl0.5 catalysts. Applied Catalysis A: General, 2011, 396, 107-115.	4.3	10
206	Conversion of Ethanol into Propylene over TON Type Zeolite. Journal of the Japan Petroleum Institute, 2013, 56, 22-31.	0.6	10
207	Incorporation of Heteropolyacids into Layered Silicate HUS-2 Grafted with 3-(Aminopropyl)triethoxysilane. Bulletin of the Chemical Society of Japan, 2014, 87, 1379-1385.	3.2	10
208	An Efficient Way to Synthesize Hiroshima University Silicate-1 (HUS-1) and the Selective Adsorption Property of Ni2+ from Seawater. Bulletin of the Chemical Society of Japan, 2014, 87, 160-166.	3.2	10
209	Preparation and Structural Characterization of Mono-Ru-Substituted Î±2-Dawson-Type Phosphotungstate with a Carbonyl Ligand and Other Ru(CO)-Substituted Heteropolytungstates. European Journal of Inorganic Chemistry, 2015, 2015, 2714-N2723.	2.0	10
210	Iron Aquo Complex as an Efficient and Selective Homogeneous Photocatalyst for Organic Synthetic Reactions. ChemCatChem, 2018, 10, 4509-4513.	3.7	10
211	Tracking the crystallization behavior of high-silica FAU during AEI-type zeolite synthesis using acid treated FAU-type zeolite. RSC Advances, 2021, 11, 23082-23089.	3.6	10
212	Polymerization of propylene with the [ArN(CH2)3NAr]TiCl2 (Ar = 2,6-i Pr2C6H3) complex using R3Al/Ph3CB(C6F5)4 (R = Me, Et,iBu) as cocatalyst. Macromolecular Rapid Communications, 1998, 19, 597-600.	3.9	9
213	Polymerization of propene over the MgCl2-supported tris(acetylacetonato) chromium catalyst combined with diethylaluminiumchloride. Journal of Polymer Science Part A, 1999, 37, 691-694.	2.3	9
214	Synthesis of metallocene catalysts supported on poly[p-(silylene)phenylene] derivatives for the application to olefin polymerizations. Macromolecular Chemistry and Physics, 1999, 200, 1897-1902.	2.2	9
215	Unique surface property of surfactant-assisted mesoporous calcium phosphate. Microporous and Mesoporous Materials, 2011, 141, 56-60.	4.4	9
216	Sunlight-induced effective heterogeneous photocatalytic decomposition of aqueous organic pollutants to CO2 assisted by a CO2 sorbent, amine-containing mesoporous silica. Chemical Communications, 2012, 48, 5521.	4.1	9

#	Article	IF	Citations
217	First synthesis of SAPO molecular sieve with LTL-type structure by hydrothermal conversion of SAPO-37 with FAU-type structure. Microporous and Mesoporous Materials, 2013, 179, 224-230.	4.4	9
218	Synthesis and Structural Characterization of Isomers of Ru-Substituted Keggin-Type Germanotungstate with dmso Ligand. Journal of Cluster Science, 2014, 25, 755-770.	3.3	9
219	Preyssler-type phosphotungstate is a new family of negative-staining reagents for the TEM observation of viruses. Scientific Reports, 2022, 12, 7554.	3.3	9
220	Dealumination of small-pore zeolites through pore-opening migration process with the aid of pore-filler stabilization. Science Advances, 2022, 8, .	10.3	9
221	HZSM-5 pelletized and modified with Î±-Ca3(PO4)2 and HPO42âˆ’ as a catalyst for methanol conversion. Applied Catalysis, 1989, 49, 143-163.	0.8	8
222	Synthesis of ZSM-5 Type Zeolites using 1-Butanol and their Properties.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 606-614.	0.1	8
223	Alternating copolymerization of ethylene and propene with the [ethylene(1-indenyl)(9-fluorenyl)]zirconium dichloride-methylaluminoxane catalyst system. Macromolecular Rapid Communications, 1998, 19, 337-339.	3.9	8
224	Carbonylation of Formaldehyde with Carbon Monoxide over Cation-Exchange Resin Catalysts. Bulletin of the Chemical Society of Japan, 1999, 72, 1935-1940.	3.2	8
225	Mesoporous silicas containing carboxylic acid: Preparation, thermal degradation, and catalytic performance. Applied Catalysis A: General, 2010, 372, 82-89.	4.3	8
226	Combustion of volatile organic compounds over composite catalyst of Pt/Î³-Al₂O₃and beta zeolite. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 667-674.	1.7	8
227	Molecular Recognitive Adsorption of Aqueous Propionic Acid on Hiroshima University Silicate-2 (HUS-2). Chemistry Letters, 2013, 42, 244-246.	1.3	8
228	Synthesis of GME zeolite with high porosity by hydrothermal conversion of FAU zeolite using a dual-template method with tetraethylphosphonium and N,N-dimethyl-3,5-dimethylpiepridinium hydroxides. Journal of Porous Materials, 2019, 26, 1345-1352.	2.6	8
229	Microporous materials formed via intercalation of ultrathin coordination polymers in a layered silicate. Nano Energy, 2019, 59, 162-168.	16.0	8
230	A Sandwich Complex of Bismuth Cation and Monoâ€Lacunary Î±â€Kegginâ€Type Phosphotungstate: Preparation and Structural Characterisation. European Journal of Inorganic Chemistry, 2019, 2019, 357-362.	2.0	8
231	Facile synthesis of highly crystalline EMT zeolite by hydrothermal conversion of FAU zeolite in the presence of 1,1â€™-(1,4-butanediyl)bis(1-azonia-4-azabicyclo [2,2,2]octane) dihydroxide. Microporous and Mesoporous Materials, 2019, 274, 299-303.	4.4	8
232	Effect of organic ligands used in sol-gel process on the formation of mullite. Journal of Sol-Gel Science and Technology, 1997, 8, 101-106.	2.4	7
233	The modeling of wall structure of siliceous MCM-41 based on the formation process. Studies in Surface Science and Catalysis, 2002, , 69-76.	1.5	7
234	Preparation and Characterization of Al-CDS-1 Zeolite. Journal of the Ceramic Society of Japan, 2005, 113, 424-428.	1.3	7

#	Article	IF	Citations
235	Ultrafast and continuous-flow synthesis of AFX zeolite <i>via</i> interzeolite conversion of FAU zeolite. Reaction Chemistry and Engineering, 2021, 6, 74-81.	3.7	7
236	Polymerization of propylene over metal oxides-supported TiCl3 catalysts. Polymer Bulletin, 1980, 2, 817.	3.3	6
237	Olefin Hydrogenation over ZSM-5 Type Zeolite Catalysts Modified with Alkaline Earth Metals. Bulletin of the Chemical Society of Japan, 1985, 58, 3371-3372.	3.2	6
238	Ethene-propene copolymerization with the MgCl2-supported dichlorobis(4,4,4-trifluoro-1-phenyl-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Science Part A, 1998, 36, 2735-2740.	2.3	6
239	Methylaluminoxane as a New Catalyst for Alternating Copolymerization between 1,3-Butadiene and Methyl Methacrylate. Macromolecules, 2000, 33, 6907-6909.	4.8	6
240	Stepwise polymerization of propylene and ethylene with Cr(acetylacetonate)3/MgCl2-ethylbenzoate/diethylaluminium chloride catalyst system. Polymer International, 2003, 52, 29-34.	3.1	6
241	Supported hybrid catalysts based on zirconocene and tris(pyrazolyl)borate titanium derivatives. Journal of Applied Polymer Science, 2006, 99, 2002-2009.	2.6	6
242	Structure of Lamellar Polysiloxane Induced by Interaction between Carboxylate (Alkanoate and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Chemical Society of Japan, 2009, 82, 1313-1321.	3.2	6
243	Synthesis of single phase Ca-Î±-SiAlON using Y-type zeolite. Journal of the European Ceramic Society, 2010, 30, 1537-1541.	5.7	6
244	Effect of Oxygen Concentration in NH₃-SCR Reaction over Fe- and Cu-loaded Beta Zeolites. Journal of the Japan Petroleum Institute, 2012, 55, 57-66.	0.6	6
245	Production of Light Olefins from Methanol and Ethanol Using ZSM-5 Type Zeolite Catalysts. Journal of the Japan Petroleum Institute, 2017, 60, 263-276.	0.6	6
246	An Isomorphously Substituted Fe-BEA Zeolite with High Fe Content: Facile Synthesis and Characterization. Journal of Nanoscience and Nanotechnology, 2018, 18, 11-19.	0.9	6
247	Immobilizaion of Preyssler type heteropoly acids on siliceous mesporous supports and their catalytic activities in the dehydration of ethanol. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 139-147.	1.7	6
248	Synthesis of Phosphorus-Modified AFX Zeolite by the Hydrothermal Conversion of Tetraalkylphosphonium Hydroxide-Impregnated FAU Zeolite. Bulletin of the Chemical Society of Japan, 2021, 94, 1-7.	3.2	6
249	Preparation and Activities of Iridium Catalysts Supported on Thermostable Sol-Gel Alumina for the Decomposition of Hydrazine.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 910-914.	0.1	5
250	Effective activation of metallocene catalysts with supported-type Ph3CClO4 in ethylene polymerization. Macromolecular Rapid Communications, 2000, 21, 775-778.	3.9	5
251	Effects of structure-directing agents on hydrothermal conversion of FAU type zeolite. Studies in Surface Science and Catalysis, 2008, 174, 229-232.	1.5	5
252	One-pot synthesis of microporous and mesoporous (NH4)3PW12O40 by reaction of in-situ generated PW12O403â^' with NH4+ in a strongly acidic solution. Materials Research Bulletin, 2013, 48, 4157-4162.	5.2	5

#	Article	IF	Citations
253	Triple-template system for phosphorus-modified AFX/CHA intergrowth zeolite. Microporous and Mesoporous Materials, 2020, 309, 110540.	4.4	5
254	Synthesis of Preyssler-Type Phosphotungstate with Sodium Cation in the Central Cavity through Migration of the Ion. Bulletin of the Chemical Society of Japan, 2020, 93, 461-466.	3.2	5
255	Multiple templating strategy for the control of aluminum and phosphorus distributions in AFX zeolite. Microporous and Mesoporous Materials, 2021, 321, 111124.	4.4	5
256	Rapid Synthesis of Hydrothermally Stable ZSM-5 in the Presence of 1-Butanol. Chemistry Letters, 2020, 49, 1006-1008.	1.3	5
257	Polymerization of propylene over titanium exchanged Y-zeolite. Polymer Bulletin, 1979, 1, 665.	3.3	4
258	Hydrocracking of benzene over various zeolite catalysts.. Sekiyu Gakkaishi (Journal of the Japan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	0.1	4
259	The Long-Term Testing of ZSM-5-Type Zeolite Containing Strontium for the High-Temperature Conversion of Methanol to Olefin. Bulletin of the Chemical Society of Japan, 1988, 61, 3383-3385.	3.2	4
260	Dealumination of ZSM-5 zeolites by steaming.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1989, 1989, 1818-1823.	0.1	4
261	Synthesis of micro-crystalline zeolite containing calcium by addition of boric acid.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 636-641.	0.1	4
262	Synthesis of a lamellar mesostructured calcium phosphate using hexadecylamine as a structure-directing agent in the ethanol/water solvent system. Studies in Surface Science and Catalysis, 2007, 165, 253-256.	1.5	4
263	Understanding of the Formation of Mesostructured Alkylammonium-Alkaline Earth Metal Phosphates Composed of Ionic Frameworks. Journal of Nanoscience and Nanotechnology, 2009, 9, 627-633.	0.9	4
264	Molybdenum Cluster Halide Compound Mo6Cl12(OH2)2 with Six-Handed Linkage Hydrogen Bonding. Bulletin of the Chemical Society of Japan, 2011, 84, 379-385.	3.2	4
265	Reactivity of a (Benzene)Ruthenium(II) Cation on a Diâ€lacunary Î³â€Kegginâ€Type Silicotungstate and Synthesis of a Monoâ€(Benzene)Ruthenium(II)â€Attached Î³â€Kegginâ€Type Silicotungstate. European Journal of Inorganic Chemistry, 2018, 2018, 1778-1786.	2.0	4
266	LaNi5H6.0ã«ã,ˆã,‹æœ‰æ©ŸåŒ–å•ç‰©ã®æ°´ç´ åŒ–å应. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industria Journal, 1978, 1978, 930-934.	0.1	3
267	Effect of SiO2/Al2O3 ratio on methanol conversion to light olefins over zeolites containing alkaline earth metals.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 791-796.	0.1	3
268	The Migration of Barium into Zeolite Channels from the Outer Surfaces of Zeolite Crystals. Bulletin of the Chemical Society of Japan, 1990, 63, 1555-1557.	3.2	3
269	Synthesis of SAPO-n Polycrystalline Films.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 877-880.	0.1	3
270	Effect of Water Vapor Pressure on Dealumination Rate of HZSM-5 Zeolite.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1996, 1996, 303-306.	0.1	3

#	Article	IF	Citations
271	Influence of Structure-directing Agent on Zeolite Synthesis.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1999, 1999, 487-491.	0.1	3
272	Isospecific polymerization of propylene with Metal-MCM-41. Studies in Surface Science and Catalysis, 2003, 146, 753-756.	1.5	3
273	Novel Inorganicâ€"Organic Layered Composite Synthesized by Polycondensation of 3-Aminopropyltriethoxysilane Associated with the Self-assembly of Alkanoate. Chemistry Letters, 2006, 35, 1198-1199.	1.3	3
274	Extraordinary effects of an argon atmosphere on TiO2 photocatalysis. Physical Chemistry Chemical Physics, 2014, 16, 7913.	2.8	3
275	ã€Original Contributionã€' Preparation of Highâ€"Silica Chabazite Membrane. Membrane, 2014, 39, 56-60.	0.0	3
276	Enhanced Photocatalytic Activity of a Layered Titanate Achieved via Simple Mixing with TiO2-Based Photocatalysts as Additives. Bulletin of the Chemical Society of Japan, 2017, 90, 1276-1278.	3.2	3
277	Production of light olefins from methanol using aluminoborosilicates containing calcium. Effects of crystal size of silicate and alkaline earth metal salts on catalyst life.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 824-828.	0.1	2
278	Synthesis of ZSM-5 Type Zeolites Under Elevated Gravity.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 320-324.	0.1	2
279	Evaluation of Amount of Framework Iron(III) Ions of ZSM-5 Type Ferrisilicate by Water Vapor Adsorption.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1996, 1996, 680-686.	0.1	2
280	Synthesis of MgCl2-supported dichlorobis(4,4,4-trifluoro-1-phenyl-1,3-butanedionato)titanium catalysts with different titanium contents and their application to propene polymerization. Macromolecular Chemistry and Physics, 1998, 199, 1495-1499.	2.2	2
281	Development of novel MgCl2 supported catalyst with trivalent titanocene complex of CP2TiCl2AlCl2 for propylene polymerization. Journal of Polymer Science Part A, 2000, 38, 3355-3359.	2.3	2
282	Structural transformations of lamellar assembly of polysilsesquioxane nanosheets and arsenate adsorptions on transformed variants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 159-166.	4.7	2
283	Incorporation of highly dispersed aluminum into inner surfaces of supermicroporous silica using anionic surfactant. Journal of Porous Materials, 2011, 18, 493-500.	2.6	2
284	Development of ZSM-5-Type Zeolite Catalysts Containing Alkaline Earth Metals for Conversion of Methanol to Light Olefins. Advanced Porous Materials, 2016, 4, 9-23.	0.3	2
285	Synthesis of Fe-Based BEA Zeolites in Fluoride Media and Their Catalytic Performance in the NH₃-SCR of NO_{<I>x</I>}. Advanced Porous Materials, 2016, 4, 125-133.	0.3	2
286	Studies on the Dealumination Behavior of HZSM-5 Zeolite by FT-IR and Water Vapor Adsorption. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1996, , 617-618.	0.1	2
287	Conversion of synthesis gas to light olefins utilizing ZSM-5 type zeolite catalysts modified with alkaline earth metals.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1986, 29, 174-177.	0.1	2
288	Hydrogenation of 1, 3-Butadiene over LaCo5Nn. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1979, 1979, 573-585.	0.1	1

#	Article	IF	Citations
289	Synthesis and Characterization of Mesoporous Silica Fibers. Journal of the Ceramic Society of Japan, 2003, 111, 502-508.	1.3	1
290	Effect of Aluminum Source on Hydrothermal Synthesis of High-Silica Mordenite in Fluoride Medium, and Its Thermal Stability.. ChemInform, 2004, 35, no.	0.0	1
291	Effect of NaF Addition on Hydrothermal Synthesis of High-Silica Mordenite. Journal of the Ceramic Society of Japan, 2004, 112, 332-337.	1.3	1
292	Surface silylation of silicalite membranes and their pervaporation performance for the separation of ethanol from ethanol-water mixtures. Journal of the Ceramic Society of Japan, 2014, 122, 357-360.	1.1	1
293	Synthesis of 1,4-Dioxan-2-one from 1,3-Dioxolane and Carbon Monoxide over Cation-exchange Resin Catalyst.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 2001, 44, 131-134.	0.1	1
294	Dual Templating for AFX/LEV Intergrowth Zeolite. Chemistry Letters, 2022, 51, 121-123.	1.3	1
295	Ultrafast dealumination of *BEA zeolite using a continuous-flow reactor. Advanced Powder Technology, 2022, 33, 103702.	4.1	1
296	Special Articles on Technology and Its Characterization for Synthesis of Inorganic Materials. Synthesis of Ga-Mordenite Using Benzyltrimethylammonium Chloride.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 1456-1458.	0.1	0
297	Synthesis of ZSM-5 Type Ferri-aluminosilicates Using 1-C4H9OH as a Template Agent and Production of Light Olefins from Methanol over These Zeolites.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 62-68.	0.1	0
298	Effects of Composition of Synthesis Mixture on Silicalite Crystal Growth.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 615-621.	0.1	0
299	Estimation of Proton Mobility in HZSM-5 Type Zeolite Films by Complex Impedance Method.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1997, 1997, 456-460.	0.1	0
300	Influence of Silica Source on Zeolite Synthesis in the Presence of 1-Butanol.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 2000, 2000, 733-737.	0.1	0
301	Recent Developments in Transition Metal-Catalyzed Polymerization I. Polymerization Behavior of Propylene with Titanium Diamide Catalysts.. Kobunshi Ronbunshu, 2002, 59, 150-157.	0.2	0
302	Polymerization of 1,5-Hexadiene with (CH3)2Si(Fluorenyl)2ZrCl2-MAO Catalyst. Kobunshi Ronbunshu, 2003, 60, 365-368.	0.2	0
303	Synthesis of layered organosilica binding with selfassembled LB film. Studies in Surface Science and Catalysis, 2007, 165, 433-436.	1.5	0
304	Realumination of Y zeolite in ammonium salt solution. Studies in Surface Science and Catalysis, 2007, , 604-609.	1.5	0
305	Reactivity of a (Benzene)Ruthenium(II) Cation on a Di-lacunary Î³-Keggin-Type Silicotungstate and Synthesis of a Mono-(Benzene)Ruthenium(II)-Attached Î³-Keggin-Type Silicotungstate. European Journal of Inorganic Chemistry, 2018, 2018, 1776-1776.	2.0	0
306	CHA Zeolite Membrane. , 2014, , 1-3.		0

#	Article	IF	Citations
307	Catalytic Performance of Aluminoferrisilicates Synthesized Using 1-Butanol as a Template.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1994, , 1060-1066.	0.1	0
308	CHA Zeolite Membrane. , 2016, , 360-362.		0
309	Fe Species in Isomorphously Substituted Fe-Based BEA Zeolites for Low-Temperature Selective Catalytic Reduction of NO_{<I>x</I>}. Advanced Porous Materials, 2016, 4, 91-101.	0.3	0