

Masaru Ogura

List of Publications by Year in descending order

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134
papers

5,233
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87888

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Growth of vertically aligned single-walled carbon nanotube films on quartz substrates and their optical anisotropy. <i>Chemical Physics Letters</i> , 2004, 385, 298-303.	2.6	522
2	Alkali-treatment technique " new method for modification of structural and acid-catalytic properties of ZSM-5 zeolites. <i>Applied Catalysis A: General</i> , 2001, 219, 33-43.	4.3	422
3	Conversion of dry gel to microporous crystals in gas phase. <i>Topics in Catalysis</i> , 1999, 9, 77-92.	2.8	272
4	Formation of Uniform Mesopores in ZSM-5 Zeolite through Treatment in Alkaline Solution. <i>Chemistry Letters</i> , 2000, 29, 882-883.	1.3	257
5	Morphology and chemical state of Co/Mo catalysts for growth of single-walled carbon nanotubes vertically aligned on quartz substrates. <i>Journal of Catalysis</i> , 2004, 225, 230-239.	6.2	133
6	Aluminosilicate Species in the Hydrogel Phase Formed during the Aging Process for the Crystallization of FAU Zeolite. <i>Chemistry of Materials</i> , 2003, 15, 2661-2667.	6.7	127
7	Selective Reduction of Nitric Oxide with Methane on Gallium and Indium Containing H-ZSM-5 Catalysts: Formation of Active Sites by Solid-State Ion Exchange. <i>Journal of Catalysis</i> , 1996, 161, 465-470.	6.2	118
8	Crystallization behavior of zeolite beta during steam-assisted crystallization of dry gel. <i>Microporous and Mesoporous Materials</i> , 2002, 56, 1-10.	4.4	100
9	A New Method for Post-Synthesis Coating of Zirconia on the Mesopore Walls of SBA-15 Without Pore Blocking. <i>Advanced Materials</i> , 2008, 20, 2131-2136.	21.0	98
10	A new approach to the determination of atomic-architecture of amorphous zeolite precursors by high-energy X-ray diffraction technique. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 224-227.	2.8	88
11	In situ Small-Angle and Wide-Angle X-ray Scattering Investigation on Nucleation and Crystal Growth of Nanosized Zeolite A. <i>Chemistry of Materials</i> , 2007, 19, 1906-1917.	6.7	87
12	Promotive effect of additives to In/H-ZSM-5 catalyst for selective reduction of nitric oxide with methane in the presence of water vapor. <i>Catalysis Today</i> , 1996, 27, 35-40.	4.4	86
13	Al-rich beta zeolites. Distribution of Al atoms in the framework and related protonic and metal-ion species. <i>Journal of Catalysis</i> , 2016, 333, 102-114.	6.2	86
14	Nepheline from K_2CO_3 /Nanosized Sodalite as a Prospective Candidate for Diesel Soot Combustion. <i>Journal of the American Chemical Society</i> , 2008, 130, 12844-12845.	13.7	81
15	Reduction of nitric oxide with methane on Pd/Co/H-ZSM-5 catalysts: cooperative effects of Pd and Co. <i>Catalysis Letters</i> , 1996, 42, 185-189.	2.6	78
16	Synthesis of MCM-41-type mesoporous materials using filtrate of alkaline dissolution of ZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , 2004, 74, 163-170.	4.4	76
17	Catalytic Activity of Ir for NO-CO Reaction in the Presence of SO ₂ and Excess Oxygen. <i>Chemistry Letters</i> , 2000, 29, 146-147.	1.3	71
18	Heat storage properties of organic phase-change materials confined in the nanospace of mesoporous SBA-15 and CMK-3. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5495-5498.	2.8	70

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19	Formation and Reactions of NH ₄ ⁺ NO ₃ ⁻ during Transient and Steady-State NH ₃ -SCR of NO _x over H-AFX Zeolites: Spectroscopic and Theoretical Studies. ACS Catalysis, 2020, 10, 2334-2344.	11.2	67
20	Mesoporous Material from Zeolite. Journal of Porous Materials, 2002, 9, 43-48.	2.6	65
21	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19669-19674.	13.8	63
22	Determination of active palladium species in ZSM-5 zeolite for selective reduction of nitric oxide with methane. Applied Catalysis B: Environmental, 1999, 23, 247-257.	20.2	60
23	Phase selection of FAU and LTA zeolites by controlling synthesis parameters. Microporous and Mesoporous Materials, 2006, 89, 227-234.	4.4	60
24	A Simple Modification Creates a Great Difference: New Solid-Base Catalyst Using Methylated N-Substituted SBA-15. Journal of the American Chemical Society, 2011, 133, 20030-20032.	13.7	58
25	SSZ-33: A Promising Material for Use as a Hydrocarbon Trap. Journal of Physical Chemistry B, 2004, 108, 13059-13061.	2.6	56
26	A comparative study of zeolites SSZ-33 and MCM-68 for hydrocarbon trap applications. Microporous and Mesoporous Materials, 2006, 96, 210-215.	4.4	56
27	Investigation on the Drying Induced Phase Transformation of Mesoporous Silica; A Comprehensive Understanding toward Mesophase Determination. Journal of the American Chemical Society, 2004, 126, 10937-10944.	13.7	51
28	Role of zeolite structure on reduction of NO _x with methane over In- and Pd-based catalysts. Catalysis Today, 1998, 45, 139-145.	4.4	48
29	Effect of water vapor on proton conduction of cesium dihydrogen phosphate and application to intermediate temperature fuel cells. Journal of Applied Electrochemistry, 2005, 35, 865-870.	2.9	48
30	The effect of zeolite structures on the creation of InO ₊ active sites for NO reduction with methane. Microporous and Mesoporous Materials, 1998, 21, 533-540.	4.4	47
31	Preparation and characterization of proton-conducting CsHSO ₄ •SiO ₂ nanocomposite electrolyte membranes. Solid State Ionics, 2005, 176, 755-760.	2.7	47
32	Location of Alkali Ions and their Relevance to Crystallization of Low Silica X Zeolite. Crystal Growth and Design, 2010, 10, 3471-3479.	3.0	46
33	Silicoaluminophosphate molecular sieves as a hydrocarbon trap. Applied Catalysis B: Environmental, 2005, 57, 31-36.	20.2	43
34	Intrapore catalysis in reduction of nitric oxide with methane. Catalysis Today, 1998, 42, 159-166.	4.4	42
35	Towards Realization of a Micro- and Mesoporous Composite Silicate Catalyst. Catalysis Surveys From Asia, 2008, 12, 16-27.	2.6	42
36	Effect of NH ₄ ⁺ Exchange on Hydrophobicity and Catalytic Properties of Al-Free β Zeolite. Journal of Catalysis, 2001, 199, 41-47.	6.2	41

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37	Potassium-doped sodalite: A tectoaluminosilicate for the catalytic material towards continuous combustion of carbonaceous matters. <i>Applied Catalysis B: Environmental</i> , 2008, 77, 294-299.	20.2	41
38	Cooperative Effect of Sodium and Potassium Cations on Synthesis of Ferrierite. <i>Topics in Catalysis</i> , 2009, 52, 67-74.	2.8	39
39	Promising catalytic performance and shape-selectivity of nitrogen-doped siliceous MFI zeolite for base-catalyzed reactions. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 290-295.	4.4	37
40	A Collective Case Screening of the Zeolites made in Japan for High Performance NH ₃ -SCR of NO _x . <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 355-361.	3.2	36
41	On the drastic reduction of organic structure directing agent in the steam-assisted crystallization of zeolite with hierarchical porosity. <i>Microporous and Mesoporous Materials</i> , 2016, 230, 30-38.	4.4	35
42	Mesopore-free synthesis of hierarchically porous ZSM-5 below 100 °C. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 344-352.	4.4	34
43	Development of Imidazo[1,2- <i>a</i>]pyridine Derivatives with an Intramolecular Hydrogen-Bonded Seven-Membered Ring Exhibiting Bright ESIPT Luminescence in the Solid State. <i>Organic Letters</i> , 2019, 21, 2143-2146.	4.6	34
44	Protonic Conduction and Impedance Analysis in CsHSO ₄ /SiO ₂ Composite Systems. <i>Journal of the Electrochemical Society</i> , 2004, 151, J76.	2.9	32
45	In situ observation of homogeneous nucleation of nanosized zeolite A. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1335.	2.8	32
46	Co Cation Effects on Activity and Stability of Isolated Pd(II) Cations in Zeolite Matrices for Selective Catalytic Reduction of Nitric Oxide with Methane. <i>Journal of Catalysis</i> , 2002, 211, 75-84.	6.2	31
47	Studies on mesoporous silica films synthesized using F127, a triblock co-polymer. <i>Microporous and Mesoporous Materials</i> , 2004, 75, 51-59.	4.4	31
48	Post-synthesis coating of alumina on the mesopore walls of SBA-15 by ammonia/water vapour induced internal hydrolysis and its consequences on pore structure and acidity. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 406-415.	4.4	31
49	Decomposition of CH ₂ FCF ₃ (134a) over Metal Phosphate Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2585-2590.	3.7	30
50	Alkali Carbonate Stabilized on Aluminosilicate via Solid Ion Exchange as a Catalyst for Diesel Soot Combustion. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14892-14898.	3.1	29
51	Stabilization of bare divalent Fe(II) cations in Al-rich beta zeolites for superior NO adsorption. <i>Journal of Catalysis</i> , 2014, 315, 1-5.	6.2	29
52	Precious Metal Loaded In/H-ZSM-5 for Low Concentration NO Reduction with Methane in the Presence of Water Vapor. <i>Chemistry Letters</i> , 1995, 24, 1135-1136.	1.3	28
53	Selective reduction of nitric oxide with methane on In/H-ZSM-5-based catalysts. <i>Catalysis Surveys From Asia</i> , 1997, 1, 227-237.	1.2	28
54	NH ₃ -SCR by monolithic Cu-ZSM-5 and Cu-AFX catalysts: Kinetic modeling and engine bench tests. <i>Catalysis Today</i> , 2019, 332, 59-63.	4.4	28

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55	Remarkable enhancement in durability of Pd/H-ZSM-5 zeolite catalysts for CH ₄ -SCR. Applied Catalysis B: Environmental, 2000, 27, L213-L216.	20.2	27
56	Characterization of sulfated zirconia prepared using reference catalysts and application to several model reactions. Applied Catalysis A: General, 2009, 360, 89-97.	4.3	27
57	Understanding the high hydrothermal stability and NH ₃ -SCR activity of the fast-synthesized ERI zeolite. Journal of Catalysis, 2020, 391, 346-356.	6.2	27
58	Quantitative analyses for TEA ⁺ and Na ⁺ contents in zeolite beta with a wide range of Si/2Al ratio. Microporous and Mesoporous Materials, 2001, 48, 23-29.	4.4	26
59	Carbonate-Promoted Catalytic Activity of Potassium Cations for Soot Combustion by Gaseous Oxygen. ChemCatChem, 2014, 6, 479-484.	3.7	26
60	Theoretical study on 31P NMR chemical shifts of phosphorus-modified CHA zeolites. Microporous and Mesoporous Materials, 2020, 294, 109908.	4.4	26
61	CO-Assisted Direct Methane Conversion into C ₁ and C ₂ Oxygenates over ZSM-5 Supported Transition and Platinum Group Metal Catalysts Using Oxygen as an Oxidant. ChemCatChem, 2020, 12, 2957-2961.	3.7	26
62	Hydrocarbon Reformer Trap by Use of Transition Metal Oxide-Incorporated Beta Zeolites. Catalysis Letters, 2007, 118, 72-78.	2.6	24
63	Phase and orientation control of mesoporous silica thin film via phase transformation. Thin Solid Films, 2006, 495, 11-17.	1.8	23
64	Formation of ZMM-n: The composite materials having both natures of zeolites and mesoporous silica materials. Microporous and Mesoporous Materials, 2007, 101, 224-230.	4.4	23
65	Effects of silicon sources on the formation of nanosized LTA: An in situ small angle X-ray scattering and wide angle X-ray scattering study. Microporous and Mesoporous Materials, 2007, 101, 134-141.	4.4	22
66	Pt/CeO ₂ -ZrO ₂ present in the mesopores of SBA-15 a better catalyst for CO oxidation. Physical Chemistry Chemical Physics, 2010, 12, 7513.	2.8	21
67	Aggregation and redispersion of silver species on alumina and sulphated alumina supports for soot oxidation. Catalysis Science and Technology, 2017, 7, 3524-3530.	4.1	21
68	Direct decomposition of NO on metal-loaded zeolites with coexistence of oxygen and water vapor under unsteady-state conditions by NO concentration and microwave rapid heating. Catalysis Today, 2017, 281, 566-574.	4.4	21
69	Changes in the medium-range order during crystallization of aluminosilicate zeolites characterized by high-energy X-ray diffraction technique. Journal of the Ceramic Society of Japan, 2009, 117, 277-282.	1.1	20
70	Direct observation of catalytic oxidation of particulate matter using in situ TEM. Scientific Reports, 2015, 5, 10161.	3.3	20
71	Synthesis of EMT Zeolite by a Steam-Assisted Crystallization Method Using Crown Ether as a Structure-Directing Agent. Crystal Growth and Design, 2001, 1, 509-516.	3.0	19
72	Synthesis of mesoporous aluminosilicate with zeolitic characteristics using vapor phase transport. Chemical Communications, 2005, , 2719.	4.1	19

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73	Mechanistic Study on the Synthesis of a Porous Zincosilicate VPI-7 Containing Three-Membered Rings. <i>Journal of Physical Chemistry C</i> , 2011, 115, 443-446.	3.1	19
74	“Super Hydrocarbon Reformer Trap” for the Complete Oxidation of Toluene Using Iron-Exchanged Zeolite with a Low Silicon/Aluminum Ratio. <i>ChemCatChem</i> , 2016, 8, 2516-2524.	3.7	19
75	Hydrothermal synthesis and structure of ASU-14 topological framework by using ethylenediamine as a structure-directing agent. <i>Microporous and Mesoporous Materials</i> , 2004, 70, 1-6.	4.4	18
76	A Unique Heterogeneous Nucleophilic Catalyst Comprising Methylated Nitrogen-Substituted Porous Silica Provides High Product Selectivity for the Morita-Baylis-Hillman Reaction. <i>Journal of the American Chemical Society</i> , 2014, 136, 119-121.	13.7	18
77	Mechanism investigation and product selectivity control on CO-assisted direct conversion of methane into C1 and C2 oxygenates catalyzed by zeolite-supported Rh. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120742.	20.2	18
78	The Hydrothermal Synthesis and Crystal Structure of (H ₂ O)[Ge ₅ O ₁₀] and [(CH ₃) ₄ N][Ge ₁₀ O ₂₀ OH], Two Novel Porous Germanates. <i>Chemistry Letters</i> , 2004, 33, 74-75.	1.3	17
79	Insights into the accessibility of Zr in Zr/SBA-15 mesoporous silica supports with increasing Zr loadings. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 440-449.	4.4	17
80	Intrapore Catalysis in NO Reduction with Methane on Ir/In/H-ZSM-5 Catalyst. <i>Chemistry Letters</i> , 1996, 25, 1017-1018.	1.3	16
81	Preparation of solar grade silicon from optical fibers wastes with thermal plasmas. <i>Solar Energy Materials and Solar Cells</i> , 2004, 81, 477-483.	6.2	16
82	Synthesis of Mesoporous Silica Thin Film with Three-dimensional Accessible Pore Structure. <i>Chemistry Letters</i> , 2004, 33, 1078-1079.	1.3	16
83	Standardization of catalyst preparation using reference catalyst: ion exchange of mordenite type zeolite. <i>Applied Catalysis A: General</i> , 2005, 283, 63-74.	4.3	16
84	Standardization of catalyst preparation using reference catalyst: ion exchange of mordenite type zeolite. <i>Applied Catalysis A: General</i> , 2005, 283, 75-84.	4.3	16
85	Synthesis and characterization of aluminium containing CIT-1 and their structure-property relationship to hydrocarbon trap performance. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 126-135.	4.4	16
86	Theoretical investigation of novel two-step decomposition of nitric oxide over Fe(II) ion-exchanged zeolites using DFT calculations. <i>Catalysis Today</i> , 2015, 242, 343-350.	4.4	16
87	Confinement effect on enthalpy of fusion and melting point of organic phase change materials in cylindrical nanospace of mesoporous silica and carbon. <i>Adsorption</i> , 2018, 24, 345-355.	3.0	15
88	Carbonate synthesis from carbon dioxide and cyclic ethers over methylated nitrogen-substituted mesoporous silica. <i>Molecular Catalysis</i> , 2018, 454, 38-43.	2.0	13
89	Dry gel conversion synthesis of Cu/SSZ-13 as a catalyst with high performance for NH ₃ -SCR. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 109780.	4.4	13
90	A mechanistic study on the synthesis of MCM-22 from SBA-15 by dry gel conversion to form a micro- and mesoporous composite. <i>Catalysis Today</i> , 2011, 168, 118-123.	4.4	12

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91	Selective catalytic reduction of NO with NH ₃ over Cu-exchanged CHA, GME, and AFX zeolites: a density functional theory study. <i>Catalysis Science and Technology</i> , 2021, 11, 1780-1790.	4.1	12
92	Synthesis of single-walled carbon nanotubes in mesoporous silica film and their field emission property. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 247-250.	2.3	11
93	Selective methanol formation via CO-assisted direct partial oxidation of methane over copper-containing CHA-type zeolites prepared by one-pot synthesis. <i>Green Chemistry</i> , 2021, 23, 2148-2154.	9.0	11
94	Characteristics of MnO _x electrochemical capacitors with solid electrolyte (CsHSO ₄) operated at elevated temperatures. <i>Solid State Ionics</i> , 2004, 175, 507-510.	2.7	10
95	Characterization of ESR Active Species on Lithium Chloride-Modified Mesoporous Silica. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8574-8579.	2.6	10
96	Intermediate-range Order in Mesoporous Silicas Investigated by a High-energy X-ray Diffraction Technique. <i>Chemistry Letters</i> , 2008, 37, 30-31.	1.3	10
97	Kinetic and spectroscopic insights into the behaviour of Cu active site for NH ₃ -SCR over zeolites with several topologies. <i>Catalysis Science and Technology</i> , 2021, 11, 2718-2733.	4.1	10
98	Promotion effects of an extremely low concentration of noble metals supported onto Bi ₂ Mo ₃ O ₁₂ on the partial oxidation of iso-butane. <i>Applied Catalysis A: General</i> , 2002, 225, 215-221.	4.3	9
99	[Ge ₉ O ₁₄ (OH) ₁₂](C ₆ N ₂ H ₁₆) ₂ ·1/2H ₂ O: A Novel Germanate with Ge ₂ O Helical Chains Formed by Hydrothermal Synthesis that Can Separate trans and cis Isomers in Situ. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4547-4549.	2.0	9
100	Effective factors on solid phase conversion of Fe-containing mesoporous silica into Fe-beta. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 229-237.	4.4	8
101	Identification of the Basic Sites on Nitrogen-Substituted Microporous and Mesoporous Silicate Frameworks Using CO ₂ as a Probe Molecule. <i>Langmuir</i> , 2018, 34, 1376-1385.	3.5	8
102	Primary, secondary, and tertiary silanamine sites formed on nitrated SBA-15 for base catalytic C-C bond formation reactions. <i>Journal of Catalysis</i> , 2019, 378, 131-139.	6.2	8
103	Effect of delamination on active base site formation over nitrated MWW-type zeolite for Knoevenagel condensation. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110104.	4.4	8
104	Development of a Technology for Silicon Production by Recycling Wasted Optical Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1890-1893.	3.7	7
105	Theoretical Evaluation of an Organic Phase Change Material (PCM)-Inserted Dual-Functional Adsorbent for the Recovery of Heat of Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10114-10118.	3.7	7
106	AFX Zeolite for Use as a Support of NH ₃ -SCR Catalyst Mining through AICE Joint Research Project of Industries & Academia. <i>Catalysts</i> , 2021, 11, 163.	3.5	7
107	Determination of Silica Mesophases by Controlling Silicate Condensation in Liquid Phase. <i>Chemistry Letters</i> , 2004, 33, 734-735.	1.3	6
108	Fabrication of Mesoporous Silica Films via a Novel Route Providing a Wide Processing Time Window. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4156-4160.	3.7	6

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109	Selective catalytic reduction of NO over Cu-AFX zeolites: mechanistic insights from <i>in situ</i> operando spectroscopic and DFT studies. <i>Catalysis Science and Technology</i> , 2021, 11, 4459-4470.	4.1	6
110	Nepheline Synthesized from Sodalite as Diesel-Soot Combustion Catalyst: Structure-Property Relationship Study for an Enhanced Water Tolerance. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 527-532.	3.2	5
111	Phase Change Material-Containing Mesoporous Zeolite Composite for Adsorption Heat Recovery. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001085.	3.7	5
112	High NH ₃ -SCR reaction rate with low dependence on O ₂ partial pressure over Al-rich Cu-BEA zeolite. <i>RSC Advances</i> , 2021, 11, 10381-10384.	3.6	5
113	Multiple templating strategy for the control of aluminum and phosphorus distributions in AFX zeolite. <i>Microporous and Mesoporous Materials</i> , 2021, 321, 111124.	4.4	5
114	Palladium species in Pd/H-ZSM-5 zeolite catalysts for CH ₄ -SCR. <i>Research on Chemical Intermediates</i> , 2000, 26, 55-60.	2.7	4
115	Temporal analysis of products (TAP) study on oxygen storage properties over Pt/Rh/CeO ₂ catalyst. <i>Research on Chemical Intermediates</i> , 2003, 29, 755-760.	2.7	4
116	Synthesis of 2-Adamantane Derivatives from 1-Adamantanol on Solid Acid Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1039-1044.	3.7	4
117	Solid acid porous materials for the catalytic transformation of 1-adamantanol. <i>Catalysis Today</i> , 2008, 131, 367-371.	4.4	4
118	Two-step Catalytic System Using Pulsatile Heating to Achieve NO Decomposition in the Presence of Water Vapor. <i>Chemistry Letters</i> , 2016, 45, 1283-1284.	1.3	3
119	Impact of the Zeolite Cage Structure on Product Selectivity in CO-assisted Direct Partial Oxidation of Methane over Rh Supported AEI-, CHA-, and AFX-type Zeolites. <i>Chemistry Letters</i> , 2021, 50, 1597-1600.	1.3	3
120	Highly Dispersed Co/Zn-Doped Zeolitic Imidazolate Framework-Derived Carbon Nanoparticles with High NO Adsorption Capacity at Low Operating Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3601-3609.	3.7	3
121	Phase transformation in mesoporous silica films induced by the degradation of organic moiety. <i>Journal of Porous Materials</i> , 2006, 13, 303-306.	2.6	2
122	Role of heteroatoms in precursor formation of zeolites. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 506-511.	1.5	2
123	Assembling mode of alumina and zirconia particles inside the mesopores of SBA-15 under high loading. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 161-166.	1.5	2
124	Effect of Zeolite Topology on Cu Active Site Formation for NO Direct Decomposition. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1935-1944.	3.2	2
125	Mesoporous Zeolite for Use as Dual-functional Heat-storage Adsorbent. <i>Chemistry Letters</i> , 2020, 49, 450-452.	1.3	2
126	Reaction Pathways in the Chemical Transformation of CO ₂ with α -Unsaturated Alcohols into Cyclic Carbonates Catalyzed by Methylated Nitrogen-substituted SBA-15. <i>Journal of the Japan Petroleum Institute</i> , 2020, 63, 149-157.	0.6	2

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127	Synthesis of Carbon Nanoparticles with Cobalt-Rich Shell via Pyrolysis of Zn-ZIF@Co/Zn-ZIF: Relevance of Co(III) Precursors. <i>Inorganic Chemistry</i> , 2022, 61, 7859-7868.	4.0	2
128	Differences in Catalytic Activity and Durability of Nitrogen Sites on Nitrided SBA-15 or Porous Carbon Nitride. <i>Journal of the Japan Petroleum Institute</i> , 2022, 65, 116-124.	0.6	1
129	Mechanism of Selective Catalytic Reduction of NO by Propene on Fe Silicate in Oxygen-Rich Atmosphere. <i>ACS Symposium Series</i> , 1995, , 123-132.	0.5	0
130	The Hydrothermal Synthesis and Crystal Structure of (H ₂ O)[Ge ₅ O ₁₀] and [(CH ₃) ₄ N][Ge ₁₀ O ₂₀ OH], Two Novel Porous Germanates.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
131	Sodalite Layer as a Protective Barrier for Diesel Particulate Filters. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 363-369.	3.2	0
132	The 7th China-Japan Workshop on Environmental Catalysis and Eco-Materials was held in Guangzhou, China, November 6th-9th, 2015. <i>Catalysis Today</i> , 2017, 281, 411.	4.4	0
133	Intracrystalline diffusivity of lignin-derived benzene derivatives in silicalite-1 crystal in aqueous-phase system. <i>Microporous and Mesoporous Materials</i> , 2018, 261, 9-17.	4.4	0
134	Parametric Study of Fixed-Bed Dehumidification Using a PCM-Containing Adsorbent for Effective Recovery of Heat of Adsorption. <i>Journal of Chemical Engineering of Japan</i> , 2020, 53, 626-635.	0.6	0