

Junko N Kondo

List of Publications by Year in descending order

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350
papers

22,474
citations

9428

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h-index

11946

139
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359
all docs

359
docs citations

359
times ranked

17998
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective synthesis of 5-hydroxymethylfurfural over natural rubber-derived carbon/silica nanocomposites with acid-base bifunctionality. <i>Fuel</i> , 2022, 311, 122577.	3.4	9
2	Surfactant-Assisted Direct Crystallization of CON-Type Zeolites with Particle Size and Acid-Site Location Controlled. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1733-1747.	1.8	6
3	Synthesis of NaNbO ₃ under non-hydrothermal conditions from sodium niobate precursors prepared by alkaline treatment of amorphous Nb ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 2021, 295, 121891.	1.4	0
4	Ethanol-ethylene conversion mechanism on hydrogen boride sheets probed by <i>in situ</i> infrared absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7724-7734.	1.3	16
5	Effect of Pt nanoparticle decoration on the H ₂ storage performance of plasma-derived nanoporous graphene. <i>Carbon</i> , 2021, 171, 294-305.	5.4	27
6	Fabrication of AEI-type aluminosilicate catalyst with sheet-like morphology for direct conversion of propene to butenes. <i>Catalysis Science and Technology</i> , 2021, 11, 5839-5848.	2.1	5
7	Synthesis of graphene mesosponge <i>via</i> catalytic methane decomposition on magnesium oxide. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14296-14308.	5.2	42
8	Methanol-to-Olefins Reaction over Large-Pore Zeolites: Impact of Pore Structure on Catalytic Performance. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 990-1000.	0.4	8
9	Characterization of H ₄ SiW ₁₂ O ₄₀ supported on mesoporous silica (SBA-15), non-structured amorphous silica and γ -alumina. <i>Journal of Catalysis</i> , 2021, 395, 387-398.	3.1	9
10	Versatile phosphorus-structure-directing agent for direct preparation of novel metallosilicate zeolites with IFW-topology. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 111005.	2.2	6
11	One-pot synthesis of highly active Fe-containing MWW zeolite catalyst: Elucidation of Fe species and its impact on catalytic performance. <i>Advanced Powder Technology</i> , 2021, 32, 1070-1080.	2.0	7
12	Construction of Fe ₂ O ₃ loaded and mesopore confined thin-layer titania catalyst for efficient NH ₃ -SCR of NO _x with enhanced H ₂ O/SO ₂ tolerance. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119982.	10.8	64
13	Synthesis of novel aluminoborosilicate isomorphous to zeolite TUN and its acidic and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111237.	2.2	8
14	Highly thermostable high molecular-weight low <i>k</i> PIM polymers based on 5,5-tetrahydroxy-3,3,3-trimethyl-1,3-dioxane, 6,6-tetrahydroxy-3,3,3-trimethyl-1,3-dioxane, tetramethylspirosindane, decafluorobiphenyl, and bisphenols. <i>Polymer</i> , 2021, 230, 124072.	1.8	4
15	Hydroconversion of methyl laurate over beta-zeolite-supported Ni-Mo catalysts: Effect of acid and base treatments of beta zeolite. <i>Fuel Processing Technology</i> , 2020, 197, 106182.	3.7	19
16	Synthesis of Ga-containing CON-type material and its catalytic performance in methanol-to-olefins reaction. <i>Catalysis Today</i> , 2020, 352, 175-182.	2.2	9
17	CHA-Type Zeolite Prepared by Interzeolite Conversion Method Using FAU and LTL-Type Zeolite: Effect of the Raw Materials on the Crystallization Mechanism, and Physicochemical and Catalytic Properties. <i>Catalysts</i> , 2020, 10, 1204.	1.6	19
18	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 19837-19842.	1.6	3

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19	Bimetallic Fe/Cu/beta zeolite catalysts for direct hydroxylation of benzene to phenol: effect of the sequence of ion exchange for Fe and Cu cations. <i>Catalysis Science and Technology</i> , 2020, 10, 6977-6986.	2.1	17
20	MALDI Mass Spectrometry of Small Molecules Using Nanometer-sized Clay. <i>Analytical Sciences</i> , 2020, 36, 177-181.	0.8	1
21	Development of mesopore-containing CON-type zeolite with unique acidic and catalytic properties. <i>Catalysis Science and Technology</i> , 2020, 10, 4293-4304.	2.1	5
22	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19669-19674.	7.2	63
23	Extremely Stable Zeolites Developed via Designed Liquid-Mediated Treatment. <i>Journal of the American Chemical Society</i> , 2020, 142, 3931-3938.	6.6	48
24	Insight into the crystallization mechanism of the CON-type zeolite. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110213.	2.2	6
25	In-situ far-infrared study of vibrations between zeolite frameworks and metallic or molecular cations. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110345.	2.2	1
26	Hydrogenated Borophene Shows Catalytic Activity as Solid Acid. <i>ACS Omega</i> , 2019, 4, 14100-14104.	1.6	42
27	Evaluation of Ti Distribution in Zeolite Framework Based on the Catalytic Activity for Alkene Epoxidation. <i>Chemistry Letters</i> , 2019, 48, 1130-1133.	0.7	3
28	IR observation of activated ether species on acidic OH groups on H-ZSM-5 zeolites. <i>Molecular Catalysis</i> , 2019, 477, 110535.	1.0	5
29	Selective oxidation of methane to methanol with H_2O_2 over an Fe-MFI zeolite catalyst using sulfolane solvent. <i>Chemical Communications</i> , 2019, 55, 2896-2899.	2.2	46
30	Catalytic dehydration of ethanol-to-ethylene over Rho zeolite under mild reaction conditions. <i>Microporous and Mesoporous Materials</i> , 2019, 282, 91-99.	2.2	32
31	Confinement of poly(allylamine) in Preyssler-type polyoxometalate and potassium ion framework for enhanced proton conductivity. <i>Communications Chemistry</i> , 2019, 2, .	2.0	31
32	Consequences of Fe speciation in MFI zeolites for hydroxylation of benzene to phenol with H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2019, 579, 159-167.	2.2	28
33	Probing the basicity of lattice oxygen on H-form zeolites using CO ₂ . <i>Journal of Catalysis</i> , 2019, 371, 291-297.	3.1	14
34	Cs-Beta with an Al-rich composition as a highly active base catalyst for Knoevenagel condensation. <i>Applied Catalysis A: General</i> , 2019, 575, 20-24.	2.2	19
35	Reaction-probe infrared investigation on drastic change in reactivity of mesoporous silica for acetalization of cyclohexanone with methanol; pore-size dependence. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 91-98.	2.2	4
36	Control of Al Distribution in the CHA-Type Aluminosilicate Zeolites and Its Impact on the Hydrothermal Stability and Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 3914-3922.	1.8	67

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37	Highly pH-dependent Facile-preparation of Amorphous High Surface Area Aluminum Hydroxide-bicarbonates with $[\mu\text{-Al}_{13}\text{O}_4(\text{OH})_{24}(\text{H}_2\text{O})_{12}]^{7+}$. Chemistry Letters, 2018, 47, 668-670.	0.7	1
38	Highly efficient transformation of linear poly(phenylene ethynylene)s into zigzag-shaped π -conjugated microporous polymers through boron-mediated alkyne benzannulation. Materials Chemistry Frontiers, 2018, 2, 807-814.	3.2	13
39	Identification of the Basic Sites on Nitrogen-Substituted Microporous and Mesoporous Silicate Frameworks Using CO_2 as a Probe Molecule. Langmuir, 2018, 34, 1376-1385.	1.6	8
40	Crystallization of Ti-Rich *BEA Zeolites by the Combined Strategy of Using Ti-Si Mixed Oxide Composites and Intentional Aluminum Addition/Post-Synthesis Dealumination. Crystal Growth and Design, 2018, 18, 2180-2188.	1.4	5
41	Acidic and catalytic properties of ZSM-5 zeolites with different Al distributions. Catalysis Today, 2018, 303, 64-70.	2.2	46
42	Thin (single-triple) niobium oxide layers on mesoporous silica substrate. Microporous and Mesoporous Materials, 2018, 262, 191-198.	2.2	8
43	Co-reaction of methanol and ethylene over MFI and CHA zeolitic catalysts. Microporous and Mesoporous Materials, 2018, 255, 174-184.	2.2	4
44	Effect of the ammonium ion on proton conduction in porous ionic crystals based on Keggin-type silicododecatungstate. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1289-1294.	0.2	9
45	Development of AEI-type boroaluminosilicate zeolites, and their acidic and catalytic properties in ethene conversion reaction. Applied Catalysis A: General, 2018, 568, 123-129.	2.2	11
46	Enhanced hydrogen chemisorption and spillover on non-metallic nickel subnanoclusters. Journal of Materials Chemistry A, 2018, 6, 12523-12531.	5.2	17
47	Iron- and Copper-exchanged Beta Zeolite Catalysts for Hydroxylation of Benzene to Phenol with H_2O_2 . Chemistry Letters, 2018, 47, 1112-1115.	0.7	10
48	Investigation of the acidic nature of MCM-68 zeolite based on the adsorption of CO and bulky probe molecules. Microporous and Mesoporous Materials, 2018, 272, 16-23.	2.2	11
49	Low-temperature methanol dehydration to dimethyl ether over various small-pore zeolites. Applied Catalysis B: Environmental, 2017, 217, 247-255.	10.8	65
50	The effective silylation of external surface on H-ZSM5 with cyclic siloxane for the catalytic cracking of naphtha. Molecular Catalysis, 2017, 433, 48-54.	1.0	9
51	Synergetic effect in heterogeneous acid catalysis by a porous ionic crystal based on $\text{Al}(\text{salphen})\text{PO}_4$ and polyoxometalate. Dalton Transactions, 2017, 46, 3105-3109.	1.6	16
52	Infrared Investigation of Dynamic Behavior of Brønsted Acid Sites on Zeolites at High Temperatures. Journal of Physical Chemistry C, 2017, 121, 25411-25420.	1.5	35
53	Consideration of Acid Strength of a Single OH Group on Zeolites by Isotope Exchange Reaction with Ethane at High Temperatures. Topics in Catalysis, 2017, 60, 1496-1505.	1.3	11
54	Proton conduction in alkali metal ion-exchanged porous ionic crystals. Physical Chemistry Chemical Physics, 2017, 19, 29077-29083.	1.3	32

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55	Al distribution and catalytic performance of ZSM-5 zeolites synthesized with various alcohols. <i>Journal of Catalysis</i> , 2017, 353, 1-10.	3.1	134
56	Rigid-to-Flexible Conformational Transformation: An Efficient Route to Ring-Opening of a Tröger's Base-Containing Ladder Polymer. <i>ACS Macro Letters</i> , 2017, 6, 775-780.	2.3	32
57	Monolayer Tantalum Oxide on Mesoporous Silica Substrate. <i>ChemistrySelect</i> , 2016, 1, 3124-3131.	0.7	5
58	An anion-conductive microporous membrane composed of a rigid ladder polymer with a spirobiindane backbone. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17655-17659.	5.2	40
59	A functional mesoporous ionic crystal based on polyoxometalate. <i>Dalton Transactions</i> , 2016, 45, 2805-2809.	1.6	28
60	Improvement in the catalytic properties of ZSM-5 zeolite nanoparticles via mechanochemical and chemical modifications. <i>Catalysis Science and Technology</i> , 2016, 6, 2598-2604.	2.1	35
61	Improvement of catalytic performance of MCM-22 in the cracking of n-hexane by controlling the acidic property. <i>Journal of Catalysis</i> , 2016, 333, 17-28.	3.1	37
62	Titanium(IV) in the Organic Structure Directing Agent-Free Synthesis of Hydrophobic and Large-Pore Molecular Sieves as Redox Catalysts. <i>ChemSusChem</i> , 2015, 8, 2476-2480.	3.6	12
63	Estimation of the real temperature of samples in IR cell using OH frequency of silica. <i>Surface and Interface Analysis</i> , 2015, 47, 166-168.	0.8	2
64	Mechanism of Decomposition of Surface Ethoxy Species to Ethene and Acidic OH Groups on H-ZSM-5. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2243-2246.	2.1	24
65	Hexamethyleneimine and pivalonitrile as location probe molecules of Lewis acid sites on MWW-type zeolites. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 86-94.	2.2	9
66	Catalytic cracking of n-hexane for producing propylene on MCM-22 zeolites. <i>Applied Catalysis A: General</i> , 2015, 504, 192-202.	2.2	50
67	Photocatalytic property of strontium-niobium mixed oxide prepared by utilizing organic mediators to the overall splitting of H ₂ O. <i>Catalysis Today</i> , 2015, 246, 172-175.	2.2	2
68	Hydrophobicity enhancement of Ti-MWW catalyst and its improvement in oxidation activity. <i>Applied Catalysis A: General</i> , 2015, 503, 156-164.	2.2	12
69	Control of the Al Distribution in the Framework of ZSM-5 Zeolite and Its Evaluation by Solid-State NMR Technique and Catalytic Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15303-15315.	1.5	227
70	Mechanisms of reactions of methoxy species with benzene and cyclohexane over H-ZSM-5 zeolites. <i>Catalysis Science and Technology</i> , 2015, 5, 3598-3602.	2.1	5
71	Synthesis of Sn-containing mesoporous silica nanospheres as efficient catalyst for Baeyer-Villiger oxidation. <i>Applied Catalysis A: General</i> , 2015, 490, 93-100.	2.2	18
72	Synthesis of SFH-type aluminosilicate zeolite with 14-membered ring and its applications as solid acidic catalyst. <i>Microporous and Mesoporous Materials</i> , 2014, 193, 166-172.	2.2	2

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73	Dealuminated Beta zeolite as effective bifunctional catalyst for direct transformation of glucose to 5-hydroxymethylfurfural. <i>Applied Catalysis A: General</i> , 2014, 470, 318-326.	2.2	135
74	Synthesis and analysis of CO ₂ adsorbents based on cerium oxide. <i>Journal of CO₂ Utilization</i> , 2014, 8, 34-38.	3.3	109
75	Differences in Al distribution and acidic properties between RTH-type zeolites synthesized with OSDAs and without OSDAs. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4155.	1.3	55
76	Ethene oligomerization on H-ZSM-5 in relation to ethoxy species. <i>Catalysis Science and Technology</i> , 2014, 4, 4193-4195.	2.1	12
77	Systematical investigation on characteristics of a photocatalyst: tantalum oxynitrides. <i>Microscopy (Oxford, England)</i> , 2014, 63, 313-324.	0.7	6
78	Intramolecular H/D Exchange of Ethanol Catalyzed by Acidic OH Groups on H-ZSM-5 Zeolite. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3528-3531.	2.1	7
79	High-Performance Titanosilicate Catalyst Obtained through Combination of Liquid-Phase and Solid-Phase Transformation Mechanisms. <i>ChemCatChem</i> , 2014, 6, 2719-2726.	1.8	37
80	Selective oxidation of alcohols to aldehydes/ketones over copper oxide-supported gold catalysts. <i>Journal of Catalysis</i> , 2013, 299, 10-19.	3.1	107
81	Heterogeneous Ni Catalyst for Direct Synthesis of Primary Amines from Alcohols and Ammonia. <i>ACS Catalysis</i> , 2013, 3, 112-117.	5.5	185
82	Facile Fabrication of ZSM-5 Zeolite Catalyst with High Durability to Coke Formation during Catalytic Cracking of Paraffins. <i>ACS Catalysis</i> , 2013, 3, 74-78.	5.5	103
83	Methanol conversion to lower olefins over RHO type zeolite. <i>Catalysis Communications</i> , 2013, 37, 1-4.	1.6	16
84	Heterogeneous cobalt catalysts for the acceptorless dehydrogenation of alcohols. <i>Green Chemistry</i> , 2013, 15, 418-424.	4.6	78
85	Effect of the preparation conditions of a barium-tantalate photocatalyst on the overall photocatalytic splitting of H ₂ O. <i>Catalysis Science and Technology</i> , 2013, 3, 1691.	2.1	4
86	IR Characterization of Homogeneously Mixed Silica-Alumina Samples and Dealuminated Y Zeolites by Using Pyridine, CO, and Propene Probe Molecules. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14043-14050.	1.5	38
87	Effect of desilication of H-ZSM-5 by alkali treatment on catalytic performance in hexane cracking. <i>Applied Catalysis A: General</i> , 2012, 449, 188-197.	2.2	163
88	Effect of post-calcination thermal treatment on acid properties and pores structure of a mesoporous niobium-tungsten oxide. <i>Catalysis Today</i> , 2012, 192, 144-148.	2.2	8
89	Surface properties of Ta ₂ O ₅ layers prepared on SBA-15. <i>Catalysis Today</i> , 2012, 192, 197-202.	2.2	2
90	Matrix-assisted laser desorption ionization using lithium-substituted mordenite surface. <i>Chemical Physics Letters</i> , 2012, 546, 159-163.	1.2	9

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91	Direct Production of Propene from Methoxy Species and Dimethyl Ether over H-ZSM-5. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24091-24097.	1.5	76
92	Perovskite-type La ₂ Ti ₂ O ₇ mesoporous photocatalyst. <i>Journal of Solid State Chemistry</i> , 2012, 192, 87-92.	1.4	41
93	The influence of acidities of boron- and aluminium-containing MFI zeolites on co-reaction of methanol and ethene. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14598.	1.3	38
94	Preparation of Chiral Mesoporous Materials with Helicity Perfectly Controlled. <i>Chemistry of Materials</i> , 2011, 23, 2014-2016.	3.2	25
95	Nb ₂ O ₅ ·nH ₂ O as a Heterogeneous Catalyst with Water-Tolerant Lewis Acid Sites. <i>Journal of the American Chemical Society</i> , 2011, 133, 4224-4227.	6.6	480
96	Preparation of a colloidal array of NaTaO ₃ nanoparticles via a confined space synthesis route and its photocatalytic application. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2563.	1.3	52
97	Facile control of crystallite size of ZSM-5 catalyst for cracking of hexane. <i>Microporous and Mesoporous Materials</i> , 2011, 145, 165-171.	2.2	163
98	Dehydration of xylose over sulfated tin oxide catalyst: Influences of the preparation conditions on the structural properties and catalytic performance. <i>Applied Catalysis A: General</i> , 2011, 408, 117-124.	2.2	82
99	Changes in Surface Property and Catalysis of Mesoporous Nb ₂ O ₅ from Amorphous to Crystalline Pore Walls. <i>Catalysis Letters</i> , 2011, 141, 283-292.	1.4	24
100	Oxidative Dehydrogenation of Propane with CO ₂ Over Cr/H[B]MFI Catalysts. <i>Catalysis Letters</i> , 2011, 141, 670-677.	1.4	37
101	Evidence for a π -Carbene σ -Intermediate during the Reaction of Methoxy Species with Light Alkenes on H-ZSM-5. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1853-1856.	7.2	91
102	Synthesis and catalytic properties of porous Nb-Mo oxide solid acid. <i>Catalysis Today</i> , 2011, 164, 358-363.	2.2	15
103	Highly Active Mesoporous Nb-W Oxide Solid Acid Catalyst. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1128-1132.	7.2	124
104	Direct FT-IR observation of oxidation of 1-hexene and cyclohexene with H ₂ O ₂ over TS-1. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 13-20.	2.2	15
105	Synthesis and Characterization of Mesoporous Ta-W Oxides as Strong Solid Acid Catalysts. <i>Chemistry of Materials</i> , 2010, 22, 3072-3078.	3.2	59
106	Pronounced Selectivity in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry with 2,4,6-Trihydroxyacetophenone on a Zeolite Surface: Intensity Enhancement of Protonated Peptides and Suppression of Matrix-Related Ions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1593-1600.	1.5	26
107	Synthesis of Mesoporous Silica Nanospheres Promoted by Basic Amino Acids and their Catalytic Application. <i>Chemistry of Materials</i> , 2010, 22, 3900-3908.	3.2	88
108	Preparation of Crystallized Mesoporous Ta ₃ N ₅ Assisted by Chemical Vapor Deposition of Tetramethyl Orthosilicate. <i>Chemistry of Materials</i> , 2010, 22, 3854-3861.	3.2	70

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109	A comparative IR characterization of acidic sites on HY zeolite by pyridine and CO probes with silica-alumina and γ -alumina references. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11576.	1.3	93
110	Protonated Titanate Nanotubes as Solid Acid Catalyst. <i>Journal of the American Chemical Society</i> , 2010, 132, 6622-6623.	6.6	159
111	Activation Energies for the Reaction of Ethoxy Species to Ethene over Zeolites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20107-20113.	1.5	33
112	Structure and Acid Catalysis of Mesoporous $\text{Nb}_2\text{O}_5 \cdot n\text{H}_2\text{O}$. <i>Chemistry of Materials</i> , 2010, 22, 3332-3339.	3.2	82
113	Synthesis, characterization, and catalytic properties of H-Al-YNU-1 and H-Al-MWW with different Si/Al ratios. <i>Journal of Catalysis</i> , 2009, 266, 268-278.	3.1	34
114	Catalytic Activities of Alcohol Transformations Over 8-Ring Zeolites. <i>Topics in Catalysis</i> , 2009, 52, 1272-1280.	1.3	32
115	Low temperature CO pulse adsorption for the determination of Pt particle size in a Pt/cerium-based oxide catalyst. <i>Applied Catalysis A: General</i> , 2009, 370, 108-113.	2.2	70
116	Biphasic Polycondensation of 4-Bromo-2,6-dimethylphenol Using Silica Gel as a Promoter. <i>Polymer Journal</i> , 2009, 41, 63-68.	1.3	5
117	Synthesis, characterization and catalytic studies of CHA zeotype materials containing boron and iron. <i>Catalysis Communications</i> , 2009, 10, 447-450.	1.6	20
118	IR Observation of Selective Oxidation of Cyclohexene with H_2O_2 over Mesoporous Nb_2O_5 . <i>Journal of Physical Chemistry C</i> , 2009, 113, 21693-21699.	1.5	31
119	Time-Resolved Sum Frequency Generation Reveals Adsorbate Migration between Different Surface Active Sites on Titanium Oxide/Pt(111). <i>Journal of the American Chemical Society</i> , 2009, 131, 4580-4581.	6.6	13
120	Amorphous Carbon Bearing Sulfonic Acid Groups in Mesoporous Silica as a Selective Catalyst. <i>Chemistry of Materials</i> , 2009, 21, 186-193.	3.2	136
121	The study of methanol-to-olefin over proton type aluminosilicate CHA zeolites. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 153-161.	2.2	129
122	Methanol-to-olefin over gallosilicate analogues of chabazite zeolite. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 253-257.	2.2	30
123	Synthesis of Crystallized Mesoporous Tantalum Oxide and Its Photocatalytic Activity for Overall Water Splitting under Ultraviolet Light Irradiation. <i>Chemistry of Materials</i> , 2008, 20, 5361-5367.	3.2	162
124	Crystallization of Mesoporous Metal Oxides. <i>Chemistry of Materials</i> , 2008, 20, 835-847.	3.2	198
125	Activation of hydrocarbons on acidic zeolites: superior selectivity of methylation of ethene with methanol to propene on weakly acidic catalysts. <i>Chemical Communications</i> , 2008, , 5164.	2.2	47
126	Sum Frequency Generation Spectroscopic Investigation of $\text{TiO}_2/\text{Pt}(111)$: Surface Active Sites and Reaction Paths Probed by Formate. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12477-12485.	1.5	5

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127	Homogeneous Chemical Functionalization of the Mesoporous Silica Interior and the Utilization as the Polymerization Sites. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2008, 66, 1187-1198.	0.0	1
128	Synthesis of well-ordered nanospheres with uniform mesopores assisted by basic amino acids. Studies in Surface Science and Catalysis, 2007, 170, 1774-1780.	1.5	15
129	A Comparative Study of Methanol to Olefin over CHA and MTF Zeolites. Journal of Physical Chemistry C, 2007, 111, 5409-5415.	1.5	90
130	Sulfonated Incompletely Carbonized Glucose as Strong Brønsted Acid Catalyst. Studies in Surface Science and Catalysis, 2007, 172, 405-408.	1.5	2
131	Photocatalytic Decomposition of Water by a Novel Photocatalyst, Ge ₃ N ₄ . Studies in Surface Science and Catalysis, 2007, 172, 433-436.	1.5	0
132	In situ infrared study of n-heptane isomerization over Pt/H-beta zeolites. Journal of Catalysis, 2007, 248, 53-59.	3.1	38
133	Visible-light-driven photocatalytic behavior of tantalum-oxynitride and nitride. Research on Chemical Intermediates, 2007, 33, 13-25.	1.3	86
134	Synthesis of crystallized mesoporous transition metal oxides by silicone treatment of the oxide precursor. Chemical Communications, 2006, , 2188.	2.2	23
135	Acid-Catalyzed Reactions on Flexible Polycyclic Aromatic Carbon in Amorphous Carbon. Chemistry of Materials, 2006, 18, 3039-3045.	3.2	509
136	Oxidative Coupling Polymerization of Substituted Phenols with a Copper Amine Catalyst Immobilized within Mesoporous Silica. Macromolecular Symposia, 2006, 245-246, 87-92.	0.4	5
137	Development of highly active SO ₃ H-modified hybrid mesoporous catalyst. Catalysis Today, 2006, 116, 151-156.	2.2	47
138	Esterification of higher fatty acids by a novel strong solid acid. Catalysis Today, 2006, 116, 157-161.	2.2	266
139	Preparation of crack-free, transparent, nanoporous niobium oxide film with crystalline structure by evaporation-induced self-assembly (EISA) process. Studies in Surface Science and Catalysis, 2005, , 321-326.	1.5	1
140	Control of Pore Size in Mesoporous Silica by Incremental Surface Modification Using Tetramethyl Orthosilicate. Chemistry Letters, 2005, 34, 596-597.	0.7	4
141	Photoinduced Transformation of Silicone-modified TiO ₂ . Chemistry Letters, 2005, 34, 198-199.	0.7	1
142	Synthesis of Highly Ordered Mesoporous Tantalum Oxide. Chemistry Letters, 2005, 34, 394-395.	0.7	27
143	Kinetic Study of Dehydrogenation between H ₂ SiLoxane and Ti ⁴⁺ OH on TiO ₂ . Chemistry Letters, 2005, 34, 460-461.	0.7	0
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