

Kyungsu Na

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

5,402
citations

23
h-index

53
g-index

53
ext. papers

5,940
ext. citations

9.1
avg. IF

5.75
L-index

#	Paper	IF	Citations
50	Enhanced Dehydrogenative H ₂ Release from N-Containing Amphicyclic LOHC Boosted by Pd-Supported Nanosheet MFI Zeolites Having Strong Acidity and Large Mesoporosity. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 3584-3594	8.3	1
49	Synthesis of Mesoporous Zeolites and Their Opportunities in Heterogeneous Catalysis. <i>Catalysts</i> , 2021 , 11, 1541	4	5
48	Solid-State Pseudomorphic Synthesis of Hollow Silica Nanospheres Using Cyclic Diammonium Molecules. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 463-466	1.2	0
47	Catalytic Consequences of Supported Pd Catalysts on Dehydrogenative H ₂ Evolution from 2-[(n-Methylcyclohexyl)methyl]piperidine as the Liquid Organic Hydrogen Carrier. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 809-821	8.3	5
46	Catalytic Effects of Zeolite Socony Mobil-5 (ZSM-5) on the Oxidation of Acoustically Levitated -Tetrahydrodicyclopentadiene (JP-10) Droplets. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 4896-4909	2.8	1
45	A Multifunctional Au/CeO-Mg(OH) Catalyst for One-Pot Aerobic Oxidative Esterification of Aldehydes with Alcohols to Alkyl Esters. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
44	Synthesis of LTA zeolites with controlled crystal sizes by variation of synthetic parameters: Effect of Na ⁺ concentration, aging time, and hydrothermal conditions. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 98, 411-421	2.3	3
43	Control of methane chlorination with molecular chlorine gas using zeolite catalysts: Effects of Si/Al ratio and framework type. <i>Catalysis Today</i> , 2020 , 352, 111-117	5.3	4
42	Catalytic CO ₂ hydrogenation using mesoporous bimetallic spinel oxides as active heterogeneous base catalysts with long lifetime. <i>Journal of CO₂ Utilization</i> , 2020 , 36, 145-152	7.6	9
41	Selective and rapid capture of Sr ²⁺ with LTA zeolites: Effect of crystal sizes and mesoporosity. <i>Applied Surface Science</i> , 2020 , 506, 145029	6.7	5
40	CH ₄ Chlorination with Cl ₂ using zeolites having different surface polarities: Catalysis descriptors explaining the electrophilic pathway. <i>Journal of CO₂ Utilization</i> , 2020 , 42, 101318	7.6	0
39	Nanosizing zeolite 5A fillers in mixed-matrix carbon molecular sieve membranes to improve gas separation performance. <i>Chemical Engineering Journal Advances</i> , 2020 , 2, 100016	3.6	10
38	An overview on metal-related catalysts: metal oxides, nanoporous metals and supported metal nanoparticles on metal organic frameworks and zeolites. <i>Rare Metals</i> , 2020 , 39, 751-766	5.5	21
37	Selective Catalytic Transfer Hydrogenolysis of Glycerol to 2-Isopropoxy-Propan-1-ol over Noble Metal Ion-Exchanged Mordenite Zeolite. <i>Catalysts</i> , 2019 , 9, 885	4	4
36	Selective methane chlorination to methyl chloride by zeolite Y-based catalysts. <i>Solid State Sciences</i> , 2018 , 77, 74-80	3.4	10
35	Enhanced SF ₆ recovery by hierarchically structured MFI zeolite. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 64-71	6.3	23
34	Organic-inorganic multifunctional hybrid catalyst giving catalytic synergies in cooperative coupling between CO ₂ and propylene oxide to propylene carbonate. <i>Journal of CO₂ Utilization</i> , 2018 , 27, 129-136	7.6	9

33	Control of CO ₂ absorption capacity and kinetics by MgO-based dry sorbents promoted with carbonate and nitrate salts. <i>Journal of CO₂ Utilization</i> , 2017 , 19, 194-201	7.6	16
32	Zeolite-based copper catalyst for decarboxylative coupling of alkynyl carboxylic acids with aryl iodides. <i>Catalysis Communications</i> , 2017 , 99, 83-88	3.2	5
31	Non-Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5164-5169	16.4	12
30	Non-Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. <i>Angewandte Chemie</i> , 2017 , 129, 5246-5251	3.6	3
29	RuO ₂ supported NaY zeolite catalysts: Effect of preparation methods on catalytic performance during aerobic oxidation of benzyl alcohol. <i>Solid State Sciences</i> , 2017 , 72, 150-155	3.4	9
28	Copper-catalyzed Decarboxylative Hydroboration: Synthesis of Vinyl Boronic Esters. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 463-468	1.2	2
27	Control of model catalytic conversion reaction over Pt nanoparticle supported mesoporous BEA zeolite catalysts. <i>Catalysis Today</i> , 2016 , 265, 225-230	5.3	7
26	Mesoporous Aluminosilicate Catalysts for the Selective Isomerization of n-Hexane: The Roles of Surface Acidity and Platinum Metal. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10231-7	16.4	63
25	Hierarchically Nanoporous Zeolites and Their Heterogeneous Catalysis: Current Status and Future Perspectives. <i>Catalysis Letters</i> , 2015 , 145, 193-213	2.8	72
24	Co-development of crystalline and mesoscopic order in mesostructured zeolite nanosheets. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 927-31	16.4	35
23	Co-development of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. <i>Angewandte Chemie</i> , 2015 , 127, 941-945	3.6	9
22	Chemical Environment Control and Enhanced Catalytic Performance of Platinum Nanoparticles Embedded in Nanocrystalline Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7810-6	16.4	241
21	Metal nanocrystals embedded in single nanocrystals of MOFs give unusual selectivity as heterogeneous catalysts. <i>Nano Letters</i> , 2014 , 14, 5979-83	11.5	215
20	Mesoporous MFI Zeolite Nanosponge Supporting Cobalt Nanoparticles as a Fischer-Tropsch Catalyst with High Yield of Branched Hydrocarbons in the Gasoline Range. <i>ACS Catalysis</i> , 2014 , 4, 3919-3927	13.7	86
19	Superacidity in sulfated metal-organic framework-808. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12844-7	16.4	350
18	Promotional effects of mesoporous zeolites with Pt nanoparticle catalysts during reforming of methylcyclopentane. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8446-52	2.8	19
17	Designed catalysts from Pt nanoparticles supported on macroporous oxides for selective isomerization of n-hexane. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6830-3	16.4	88
16	Effect of acidic properties of mesoporous zeolites supporting Pt nanoparticles on hydrogenative conversion of methylcyclopentane. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17207-12	16.4	47

15	The pathway to total isomer selectivity: n-hexane conversion (reforming) on platinum nanoparticles supported on aluminum modified mesoporous silica (MCF-17). <i>Journal of the American Chemical Society</i> , 2014 , 136, 16661-5	16.4	30
14	Colloidal Metal Nanocatalysts: Synthesis, Characterization, and Catalytic Applications. <i>Journal of Cluster Science</i> , 2014 , 25, 83-114	3	52
13	Recent advances in the synthesis of hierarchically nanoporous zeolites. <i>Microporous and Mesoporous Materials</i> , 2013 , 166, 3-19	5.3	370
12	Zeolite Synthesis Using Hierarchical Structure-Directing Surfactants: Retaining Porous Structure of Initial Synthesis Gel and Precursors. <i>Chemistry of Materials</i> , 2012 , 24, 2733-2738	9.6	70
11	MFI Titanosilicate Nanosheets with Single-Unit-Cell Thickness as an Oxidation Catalyst Using Peroxides. <i>ACS Catalysis</i> , 2011 , 1, 901-907	13.1	170
10	Hierarchically Structure-Directing Effect of Multi-Ammonium Surfactants for the Generation of MFI Zeolite Nanosheets. <i>Chemistry of Materials</i> , 2011 , 23, 5131-5137	9.6	175
9	Disordered Assembly of MFI Zeolite Nanosheets with a Large Volume of Intersheet Mesopores. <i>Chemistry of Materials</i> , 2011 , 23, 1273-1279	9.6	146
8	Structural Characterization of Nanosheet-type MFI Zeolite. <i>Nihon Kessho Gakkaishi</i> , 2011 , 53, 135-140	0	
7	Directing zeolite structures into hierarchically nanoporous architectures. <i>Science</i> , 2011 , 333, 328-32	33.3	665
6	Pillared MFI zeolite nanosheets of a single-unit-cell thickness. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4169-77	16.4	404
5	High Catalytic Activity of Palladium(II)-Exchanged Mesoporous Sodalite and NaA Zeolite for Bulky Aryl Coupling Reactions: Reusability under Aerobic Conditions. <i>Angewandte Chemie</i> , 2009 , 121, 3727-3730	3.6	31
4	High catalytic activity of palladium(II)-exchanged mesoporous sodalite and NaA zeolite for bulky aryl coupling reactions: reusability under aerobic conditions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3673-6	16.4	141
3	Stable single-unit-cell nanosheets of zeolite MFI as active and long-lived catalysts. <i>Nature</i> , 2009 , 461, 246-9	50.4	1634
2	The synthesis of a hierarchically porous BEA zeolite via pseudomorphic crystallization. <i>Chemical Communications</i> , 2009 , 2845-7	5.8	66
1	Cyclic diquatery ammoniums for nanocrystalline BEA, MTW and MFI zeolites with intercrystalline mesoporosity. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6713		58