

# Kyungsu Na

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/282890/kyungsu-na-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Stable single-unit-cell nanosheets of zeolite MFI as active and long-lived catalysts. <i>Nature</i> , <b>2009</b> , 461, 246-9	50.4	1634
49	Directing zeolite structures into hierarchically nanoporous architectures. <i>Science</i> , <b>2011</b> , 333, 328-32	33.3	665
48	Pillared MFI zeolite nanosheets of a single-unit-cell thickness. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4169-77	16.4	404
47	Recent advances in the synthesis of hierarchically nanoporous zeolites. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 166, 3-19	5.3	370
46	Superacidity in sulfated metal-organic framework-808. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12844-7	16.4	350
45	Chemical Environment Control and Enhanced Catalytic Performance of Platinum Nanoparticles Embedded in Nanocrystalline Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7810-6	16.4	241
44	Metal nanocrystals embedded in single nanocrystals of MOFs give unusual selectivity as heterogeneous catalysts. <i>Nano Letters</i> , <b>2014</b> , 14, 5979-83	11.5	215
43	Hierarchically Structure-Directing Effect of Multi-Ammonium Surfactants for the Generation of MFI Zeolite Nanosheets. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 5131-5137	9.6	175
42	MFI Titanosilicate Nanosheets with Single-Unit-Cell Thickness as an Oxidation Catalyst Using Peroxides. <i>ACS Catalysis</i> , <b>2011</b> , 1, 901-907	13.1	170
41	Disordered Assembly of MFI Zeolite Nanosheets with a Large Volume of Intersheet Mesopores. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1273-1279	9.6	146
40	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> , <b>2009</b> , 48, 3673-6	16.4	141
39	Designed catalysts from Pt nanoparticles supported on macroporous oxides for selective isomerization of n-hexane. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6830-3	16.4	88
38	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> , <b>2014</b> , 4, 3919-3927	13.1	86
37	Hierarchically Nanoporous Zeolites and Their Heterogeneous Catalysis: Current Status and Future Perspectives. <i>Catalysis Letters</i> , <b>2015</b> , 145, 193-213	2.8	72
36	Zeolite Synthesis Using Hierarchical Structure-Directing Surfactants: Retaining Porous Structure of Initial Synthesis Gel and Precursors. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2733-2738	9.6	70
35	The synthesis of a hierarchically porous BEA zeolite via pseudomorphic crystallization. <i>Chemical Communications</i> , <b>2009</b> , 2845-7	5.8	66
34	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> , <b>2015</b> , 137, 10231-7	16.4	63

33	Cyclic diquatery ammoniums for nanocrystalline BEA, MTW and MFI zeolites with intercrystalline mesoporosity. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6713		58
32	Colloidal Metal Nanocatalysts: Synthesis, Characterization, and Catalytic Applications. <i>Journal of Cluster Science</i> , <b>2014</b> , 25, 83-114	3	52
31	Effect of acidic properties of mesoporous zeolites supporting pt nanoparticles on hydrogenative conversion of methylcyclopentane. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 17207-12	16.4	47
30	Co-development of crystalline and mesoscopic order in mesostructured zeolite nanosheets. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 927-31	16.4	35
29	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> , <b>2009</b> , 121, 3727-3730	3.6	31
28	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> , <b>2014</b> , 136, 16661-5	16.4	30
27	Enhanced SF6 recovery by hierarchically structured MFI zeolite. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 62, 64-71	6.3	23
26	An overview on metal-related catalysts: metal oxides, nanoporous metals and supported metal nanoparticles on metal organic frameworks and zeolites. <i>Rare Metals</i> , <b>2020</b> , 39, 751-766	5.5	21
25	Promotional effects of mesoporous zeolites with Pt nanoparticle catalysts during reforming of methylcyclopentane. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 8446-52	2.8	19
24	Control of CO2 absorption capacity and kinetics by MgO-based dry sorbents promoted with carbonate and nitrate salts. <i>Journal of CO2 Utilization</i> , <b>2017</b> , 19, 194-201	7.6	16
23	Non-Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5164-5169	16.4	12
22	Selective methane chlorination to methyl chloride by zeolite Y-based catalysts. <i>Solid State Sciences</i> , <b>2018</b> , 77, 74-80	3.4	10
21	Nanosizing zeolite 5A fillers in mixed-matrix carbon molecular sieve membranes to improve gas separation performance. <i>Chemical Engineering Journal Advances</i> , <b>2020</b> , 2, 100016	3.6	10
20	Organic-inorganic multifunctional hybrid catalyst giving catalytic synergies in cooperative coupling between CO2 and propylene oxide to propylene carbonate. <i>Journal of CO2 Utilization</i> , <b>2018</b> , 27, 129-136	7.6	9
19	RuO 2 supported NaY zeolite catalysts: Effect of preparation methods on catalytic performance during aerobic oxidation of benzyl alcohol. <i>Solid State Sciences</i> , <b>2017</b> , 72, 150-155	3.4	9
18	Co-development of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 941-945	3.6	9
17	Catalytic CO2 hydrogenation using mesoporous bimetallic spinel oxides as active heterogeneous base catalysts with long lifetime. <i>Journal of CO2 Utilization</i> , <b>2020</b> , 36, 145-152	7.6	9
16	Control of model catalytic conversion reaction over Pt nanoparticle supported mesoporous BEA zeolite catalysts. <i>Catalysis Today</i> , <b>2016</b> , 265, 225-230	5.3	7

15	Zeolite-based copper catalyst for decarboxylative coupling of alkynyl carboxylic acids with aryl iodides. <i>Catalysis Communications</i> , <b>2017</b> , 99, 83-88	3.2	5
14	Synthesis of Mesoporous Zeolites and Their Opportunities in Heterogeneous Catalysis. <i>Catalysts</i> , <b>2021</b> , 11, 1541	4	5
13	Catalytic Consequences of Supported Pd Catalysts on Dehydrogenative H <sub>2</sub> Evolution from 2-[(n-Methylcyclohexyl)methyl]piperidine as the Liquid Organic Hydrogen Carrier. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 809-821	8.3	5
12	Selective and rapid capture of Sr <sup>2+</sup> with LTA zeolites: Effect of crystal sizes and mesoporosity. <i>Applied Surface Science</i> , <b>2020</b> , 506, 145029	6.7	5
11	Control of methane chlorination with molecular chlorine gas using zeolite catalysts: Effects of Si/Al ratio and framework type. <i>Catalysis Today</i> , <b>2020</b> , 352, 111-117	5.3	4
10	Selective Catalytic Transfer Hydrogenolysis of Glycerol to 2-Isopropoxy-Propan-1-ol over Noble Metal Ion-Exchanged Mordenite Zeolite. <i>Catalysts</i> , <b>2019</b> , 9, 885	4	4
9	Non-Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5246-5251	3.6	3
8	Synthesis of LTA zeolites with controlled crystal sizes by variation of synthetic parameters: Effect of Na <sup>+</sup> concentration, aging time, and hydrothermal conditions. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 98, 411-421	2.3	3
7	Copper-catalyzed Decarboxylative Hydroboration: Synthesis of Vinyl Boronic Esters. <i>Bulletin of the Korean Chemical Society</i> , <b>2016</b> , 37, 463-468	1.2	2
6	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> , <b>2021</b> , 125, 4896-4909	2.8	1
5	A Multifunctional Au/CeO-Mg(OH) Catalyst for One-Pot Aerobic Oxidative Esterification of Aldehydes with Alcohols to Alkyl Esters. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
4	Enhanced Dehydrogenative H <sub>2</sub> 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> , <b>2022</b> , 10, 3584-3594	8.3	1
3	Solid-State Pseudomorphic Synthesis of Hollow Silica Nanospheres Using Cyclic Diammonium Molecules. <i>Bulletin of the Korean Chemical Society</i> , <b>2021</b> , 42, 463-466	1.2	0
2	CH <sub>4</sub> Chlorination with Cl <sub>2</sub> using zeolites having different surface polarities: Catalysis descriptors explaining the electrophilic pathway. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 42, 101318	7.6	0
1	Structural Characterization of Nanosheet-type MFI Zeolite. <i>Nihon Kessho Gakkaishi</i> , <b>2011</b> , 53, 135-140	0	0