

# Beom-Sik Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,397  
citations

471509

17  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of black mass in spent primary battery as an oxidative catalyst for removal of volatile organic compounds. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 114, 323-330.	5.8	4
2	Effective toluene oxidation under ozone over mesoporous MnOx/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. <i>Environmental Research</i> , 2021, 195, 110876.	7.5	27
3	Surface Restructuring of Supported Nano-Ceria for Improving Sulfur Resistance. <i>ACS Catalysis</i> , 2021, 11, 7154-7159.	11.2	23
4	Ozone-assisted oxidation of methyl ethyl ketone over mesoporous MnOx/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Materials Letters</i> , 2021, 299, 130105.	2.6	4
5	Seemingly Negligible Amounts of Platinum Nanoparticles Mislead Electrochemical Oxygen Reduction Reaction Pathway on Platinum Single-Atom Catalysts. <i>ChemElectroChem</i> , 2020, 7, 3716-3719.	3.4	8
6	Controlling the Oxidation State of Pt Single Atoms for Maximizing Catalytic Activity. <i>Angewandte Chemie</i> , 2020, 132, 20872-20877.	2.0	28
7	Controlling the Oxidation State of Pt Single Atoms for Maximizing Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20691-20696.	13.8	113
8	Lean NO <sub>x</sub> trap catalysts with high low-temperature activity and hydrothermal stability. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118871.	20.2	29
9	Highly durable metal ensemble catalysts with full dispersion for automotive applications beyond single-atom catalysts. <i>Nature Catalysis</i> , 2020, 3, 368-375.	34.4	220
10	Highly Water-Resistant La-Doped Co <sub>3</sub> O <sub>4</sub> Catalyst for CO Oxidation. <i>ACS Catalysis</i> , 2019, 9, 10093-10100.	11.2	126
11	Mn-doped CuO/Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> catalyst with enhanced activity and durability for hydrocarbon oxidation. <i>Molecular Catalysis</i> , 2019, 467, 9-15.	2.0	12
12	Au-doped PtCo/C catalyst preventing Co leaching for proton exchange membrane fuel cells. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 142-149.	20.2	76
13	Synergistic Effect of Cu/CeO <sub>2</sub> and Pt@BaO/CeO <sub>2</sub> Catalysts for a Low-Temperature Lean NO <sub>x</sub> Trap. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2900-2907.	10.0	26
14	Fully Dispersed Rh Ensemble Catalyst To Enhance Low-Temperature Activity. <i>Journal of the American Chemical Society</i> , 2018, 140, 9558-9565.	13.7	170
15	Catalytic Pyrolysis of Municipal Plastic Film Wastes Over Nanoporous Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1078-1082.	0.9	7
16	In-situ catalytic copyrolysis of cellulose and polypropylene over desilicated ZSM-5. <i>Catalysis Today</i> , 2017, 293-294, 151-158.	4.4	53
17	Catalytic co-pyrolysis of torrefied yellow poplar and high-density polyethylene using microporous HZSM-5 and mesoporous Al-MCM-41 catalysts. <i>Energy Conversion and Management</i> , 2017, 149, 966-973.	9.2	119
18	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 447-453.	5.8	83

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19	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. ACS Sustainable Chemistry and Engineering, 2016, 4, 1354-1363.	6.7	113
20	Ex situ catalytic upgrading of lignocellulosic biomass components over vanadium contained H-MCM-41 catalysts. Catalysis Today, 2016, 265, 184-191.	4.4	36
21	Removal of Cu <sup>2+</sup> by biochars derived from green macroalgae. Environmental Science and Pollution Research, 2016, 23, 985-994.	5.3	52
22	Ex-situ Catalytic Pyrolysis of Korean Native Oak Tree over Microporous Zeolites. Applied Chemistry for Engineering, 2016, 27, 407-414.	0.2	5
23	Catalytic Rapid Pyrolysis of <i>Quercus variabilis</i> over Nanoporous Catalysts. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	3
24	Pyrolysis and catalytic upgrading of Citrus unshiu peel. Bioresource Technology, 2015, 194, 312-319.	9.6	60