

# Kyoung-Ku Kang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

694  
citations

623734

14  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous adsorption of bisphenol A over a porphyrinic porous organic polymer. <i>Chemosphere</i> , 2021, 265, 129161.	8.2	39
2	Aqueous Nd <sup>3+</sup> capture using a carboxyl-functionalized porous carbon derived from ZIF-8. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 702-712.	9.4	18
3	Immobilization of physicochemically stable Pd nanocatalysts inside uniform hydrogel microparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124607.	4.7	6
4	Improvement of a diffusion-based microfluidic chemotaxis assay through stable formation of a chemical gradient. <i>Chemical Engineering Science</i> , 2019, 202, 130-137.	3.8	3
5	Ionic liquid entrapped UiO-66: Efficient adsorbent for Gd <sup>3+</sup> capture from water. <i>Chemical Engineering Journal</i> , 2019, 370, 792-799.	12.7	60
6	Recent progress in the synthesis of inorganic particulate materials using microfluidics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 2-19.	5.3	17
7	Elegant Approach to the Controllability of the Mechanical Properties of a Microgel via the Self-Assembly of Internal Molecules. <i>ACS Central Science</i> , 2018, 4, 434-436.	11.3	3
8	Preparation of chemically uniform and monodisperse microparticles as highly efficient solid acid catalysts for aldol condensation. <i>Chemical Engineering Science</i> , 2018, 175, 168-174.	3.8	13
9	Synthesis and characterization of hierarchical titanium-containing mesoporous materials with MFI crystalline structure using the gas phase recrystallization for the improvement of olefins epoxidation activity. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 202-211.	4.4	6
10	EDTA-functionalized KCC-1 and KIT-6 mesoporous silicas for Nd <sup>3+</sup> ion recovery from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 210-218.	5.8	143
11	Microfluidic approaches for the design of functional materials. <i>Microelectronic Engineering</i> , 2018, 199, 1-15.	2.4	17
12	Nanoliter scale microloop reactor with rapid mixing ability for biochemical reaction. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2036-2042.	2.7	1
13	Microfluidic preparation of monodisperse polymeric microspheres coated with silica nanoparticles. <i>Scientific Reports</i> , 2018, 8, 8525.	3.3	42
14	Synthesis of silica nanoparticles using biomimetic mineralization with polyallylamine hydrochloride. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 145-153.	9.4	12
15	Directed Assembly of Janus Cylinders by Controlling the Solvent Polarity. <i>Langmuir</i> , 2017, 33, 7503-7511.	3.5	11
16	Graphene-based mesoporous nanocomposites of spherical shape with a 2-D layered structure. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6719.	10.3	14
17	Analysis of small molecules by desorption/ionization on mesoporous silicate (DIOM)-mass spectrometry (MS). <i>Microporous and Mesoporous Materials</i> , 2007, 98, 200-207.	4.4	21
18	Laser desorption/ionization-Mass spectrometry using mesoporous silicate as matrix for the analysis of various molecules. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 174-179.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Synthesis, characterization and catalytic activity of titanium containing mesoporous materials with TS-1 wall structure. <i>Studies in Surface Science and Catalysis</i> , 2006, 159, 789-792.	1.5	1
20	Synthesis and characterization of novel mesoporous silica with large wormhole-like pores: Use of TBOS as silicon source. <i>Microporous and Mesoporous Materials</i> , 2005, 84, 34-40.	4.4	19
21	Transformation of hexagonal mesoporous materials into zeolytically ordered structure: Dry gel transformation. <i>Studies in Surface Science and Catalysis</i> , 2004, 154, 497-505.	1.5	5
22	Title is missing!. <i>Catalysis Letters</i> , 2003, 86, 145-149.	2.6	3
23	Heterogenization of AlCl <sub>3</sub> on mesoporous molecular sieves and its catalytic activity. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 673-676.	1.5	3
24	Synthesis and characterization of hexagonal mesoporous materials using hydrothermal restructuring method. <i>Studies in Surface Science and Catalysis</i> , 2002, , 101-108.	1.5	9
25	Synthesis of MFI-type zeolites under atmospheric pressure. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 113-119.	2.7	17
26	Synthesis of TS-1 by microwave heating of template-impregnated SiO <sub>2</sub> •TiO <sub>2</sub> xerogels. <i>Catalysis Letters</i> , 2001, 72, 229-232.	2.6	24
27	Electrorheological properties of a suspension of a mesoporous molecular sieve (MCM-41). <i>Microporous and Mesoporous Materials</i> , 2000, 39, 19-24.	4.4	63
28	Physiochemical properties of transition metal-grafted MCM-48 prepared using metallocene precursors. <i>Journal of Molecular Catalysis A</i> , 2000, 159, 403-410.	4.8	36
29	Homogeneous and biphasic autoxidation of tetralin catalyzed by transition metal salts and complexes. <i>Journal of Molecular Catalysis A</i> , 1999, 137, 23-29.	4.8	12
30	Microwave preparation of a titanium-substituted mesoporous molecular sieve. <i>Catalysis Letters</i> , 1999, 59, 45-49.	2.6	64