

Hyun Tae Jang

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.

57
papers

1,417
citations

21
h-index

36
g-index

61
ext. papers

1,591
ext. citations

3.8
avg, IF

4.64
L-index

#	Paper	IF	Citations
57	Hydnocarpus alpina Wt extract mediated green synthesis of ZnO nanoparticle and screening of its anti-microbial, free radical scavenging, and photocatalytic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 19, 101129	4.2	28
56	Chitosan-telmisartan polymeric cocrystals for improving oral absorption: In vitro and in vivo evaluation. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 879-885	7.9	15
55	Facile synthesis of amine modified silica/reduced graphene oxide composite sorbent for CO ₂ adsorption. <i>Materials Letters</i> , 2019 , 247, 44-47	3.3	10
54	Preparation and characterization of RGO-incorporated hypercross-linked polymers for CO ₂ capture. <i>Carbon Letters</i> , 2019 , 29, 21-30	2.3	2
53	In vitro assessment of three different artemisia species for their antioxidant and anti-fibrotic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 18, 101040	4.2	4
52	Green biogenic synthesis of zinc oxide nanoparticles using <i>Pseudomonas putida</i> culture and its In vitro antibacterial and anti-biofilm activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 21, 101327	4.2	26
51	Solvent free oxidation of ethylbenzene over Ce-BTC MOF. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 1358-1364	3.64	21
50	Constrained growth of solid amino alkyl siloxane (an organic/inorganic hybrid): The ultimate selective sorbent for CO ₂ . <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 65, 156-166	6.3	1
49	Microporous Spheres of Tiny Semiconducting Graphene Sheets from Hypercross-linked Polymers: Absorption and CO ₂ Sorption Characteristics. <i>Advances in Polymer Technology</i> , 2018 , 37, 714-723	1.9	5
48	Chitosan phthalate: A novel polymer for the multiparticulate drug delivery system for diclofenac sodium. <i>Advances in Polymer Technology</i> , 2018 , 37, 2013-2020	1.9	5
47	Capecitabine encapsulated chitosan succinate-sodium alginate macromolecular complex beads for colon cancer targeted delivery: in vitro evaluation. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 840-850	7.9	25
46	Low-cost and eco-friendly green synthesis of silver nanoparticles using <i>Prunus japonica</i> (Rosaceae) leaf extract and their antibacterial, antioxidant properties. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1-7	6.1	63
45	Preparation, characterization, and diffusion study of nonwoven electrospun nanofiber of curcumin-loaded cellulose acetate phthalate polymer. <i>Saudi Pharmaceutical Journal</i> , 2017 , 25, 921-926	4.4	32
44	Effect of Zr and Li on high temperature CO ₂ sorption characteristics of CaO. <i>Adsorption</i> , 2017 , 23, 1033-1039	10.9	2
43	One pot synthesized Li, Zr doped porous silica nanoparticle for low temperature CO ₂ adsorption. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1501-S1505	5.9	14
42	Sulfanilamide and silver nanoparticles-loaded polyvinyl alcohol-chitosan composite electrospun nanofibers: Synthesis and evaluation on synergism in wound healing. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 39, 127-135	6.3	58
41	Chitosan-HPMC-blended microspheres as a vaccine carrier for the delivery of tetanus toxoid. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 517-23	6.1	18

40	Preparation and characterization of gatifloxacin-loaded alginate/poly (vinyl alcohol) electrospun nanofibers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 847-52	6.1	20
39	Synthesis and Characterization of 1-octyl 2-cyano Acrylate for Wound Healing Applications. <i>International Journal of Bio-Science and Bio-Technology</i> , 2016 , 8, 339-350	0.1	2
38	Caprolactam Synthesis using Ce-MCM-41 Catalysts. <i>International Journal of Bio-Science and Bio-Technology</i> , 2016 , 8, 171-182	0.1	2
37	Preparation And Evaluation Of Chitosan Succinate Pellets Using Extrusion-Spheronization Technology: Processing And In Vitro Characterization. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2016 , 13, 68-86	1.1	4
36	Evaluation of Tropaeolin 000-1 as a Colorimetric Reagent for Assay of Duloxetine and Escitalopram in Solid Dosage Form. <i>Tropical Journal of Pharmaceutical Research</i> , 2016 , 15, 613	0.8	
35	Chitosan cocrystals embedded alginate beads for enhancing the solubility and bioavailability of aceclofenac. <i>International Journal of Biological Macromolecules</i> , 2015 , 74, 310-7	7.9	23
34	Biosynthesis of silver nanoparticles using Cassia tora leaf extract and its antioxidant and antibacterial activities. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 277-281	6.3	79
33	Comparative antioxidant and antimycobacterial activities of Opuntia ficus-indica fruit extracts from summer and rainy seasons. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2015 , 8, 182-191	0.7	7
32	Novel microporous hypercross-linked polymers as sorbent for volatile organic compounds and CO ₂ adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 1231-1238	6.3	19
31	Development of duloxetine hydrochloride loaded mesoporous silica nanoparticles: characterizations and in vitro evaluation. <i>AAPS PharmSciTech</i> , 2015 , 16, 944-51	3.9	14
30	Hypercross-linked lignite for NO _x and CO ₂ sorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 23, 194-199	6.3	5
29	Solvent free synthesis of coumarin derivative by the use of ALSBA-1 molecular sieves. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 953-960	6.3	7
28	Synthesis and characterization of pharmaceutical surfactant templated mesoporous silica: Its application to controlled delivery of duloxetine. <i>Materials Research Bulletin</i> , 2014 , 51, 228-235	5.1	10
27	Homopiperazine grafted mesoporous silicas from rice husk ash for CO ₂ adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 4639-48	1.3	11
26	Zr-Fumarate MOF a Novel CO ₂ -Adsorbing Material: Synthesis and Characterization. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1605-1612	4.6	27
25	Oxidation of Ethylbenzene Using Nickel Oxide Supported Metal Organic Framework Catalyst. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 3213-3218	1.2	21
24	ESTIMATION OF MELOXICAM IN HUMAN PLASMA BY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY (LC-MS/MS). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013 , 36, 867-880	1.3	4
23	A simple and reproducible estimation of tolterodine tartrate by ion-pair extractive colorimetric method using methyl orange as chromogen. <i>Journal of Pharmacy Research</i> , 2013 , 7, 367-373		2

22	Selective Oxidation of Ethylbenzene over Transition Metal Organic Framework Cu-BTC. <i>International Journal of Control and Automation</i> , 2013 , 6, 1-12	1.9	6
21	Role of ceria in CO ₂ adsorption on NaZSM-5 synthesized using rice husk ash. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 260-265	6.3	19
20	A new fluoride mediated synthesis of mesoporous silica and their usefulness in controlled delivery of duloxetine hydrochloride a serotonin re-uptake inhibitor. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 684-689	6.3	11
19	ALSB-1 Molecular Sieves: Synthesis, Characterization and Catalytic Application. <i>Communications in Computer and Information Science</i> , 2012 , 112-119	0.3	
18	Mesoporous Co(III) bis(tetrazolate) Framework for CO ₂ Adsorption. <i>Communications in Computer and Information Science</i> , 2012 , 445-451	0.3	
17	Adsorption, regeneration and interaction of CO ₂ with a polythiophene/carbon mesocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 374, 48-53	5.1	13
16	A direct synthesis of mesoporous carbon supported MgO sorbent for CO ₂ capture. <i>Fuel</i> , 2011 , 90, 1662-1667	6.7	85
15	Synthesis of copper exchanged heteropolyacids supported on MCM-48 and its application for CO ₂ adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2011 , 17, 628-632	6.3	21
14	LIQUID CHROMATOGRAPHY-ELECTROSPRAY TANDEM MASS SPECTROMETRY (LC-MS/MS) DETERMINATION OF LANSOPRAZOLE IN HUMAN PLASMA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011 , 34, 129-142	1.3	4
13	Dexterous template-free synthesis of ferrisilicate with MFI morphology using rice husk ash. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1204-1209	3.9	11
12	Synthesis of mesoporous magnesium oxide: Its application to CO ₂ chemisorption. <i>International Journal of Greenhouse Gas Control</i> , 2010 , 4, 51-56	4.2	164
11	Octa(aminophenyl)silsesquioxane fabrication on chlorofunctionalized mesoporous SBA-15 for CO ₂ adsorption. <i>Microporous and Mesoporous Materials</i> , 2010 , 131, 265-273	5.3	26
10	Synthesis of chloropropylamine grafted mesoporous MCM-41, MCM-48 and SBA-15 from rice husk ash: their application to CO ₂ chemisorption. <i>Journal of Porous Materials</i> , 2010 , 17, 475-484	2.4	72
9	Utilization of rice husk ash as silica source for the synthesis of mesoporous silicas and their application to CO ₂ adsorption through TREN/TEPA grafting. <i>Journal of Hazardous Materials</i> , 2010 , 175, 928-38	12.8	176
8	Mixing/segregation phenomena of binary system in a fluidized bed. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 390-394	6.3	31
7	Development of TREN dendrimers over mesoporous SBA-15 for CO ₂ adsorption. <i>Applied Surface Science</i> , 2010 , 256, 6660-6666	6.7	32
6	Highly siliceous MCM-48 from rice husk ash for CO ₂ adsorption. <i>International Journal of Greenhouse Gas Control</i> , 2009 , 3, 545-549	4.2	105
5	Hydrothermal synthesis and characterization of Fe(III)-substituted mordenites. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 1286-1291	2.8	5

4	Kinetic study on degradation of gaseous acetone over thin-film TiO ₂ photocatalyst in a continuous flow system. <i>Reaction Kinetics and Catalysis Letters</i> , 2007 , 90, 85-91		3
3	Hydrogasification of various carbonaceous sources using pressure change properties. <i>Korean Journal of Chemical Engineering</i> , 2007 , 24, 532-536	2.8	11
2	Hydrogen production by the thermocatalytic decomposition of methane in a fluidized bed reactor. <i>Korean Journal of Chemical Engineering</i> , 2007 , 24, 374-377	2.8	31
1	Prediction of Take-Over Velocity of a Binary Density System Using Pressure Fluctuations in a Fluidized Bed. <i>Journal of Chemical Engineering of Japan</i> , 2006 , 39, 924-931	0.8	1