

# Hyun Tae Jang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3768322/hyun-tae-jang-publications-by-citations.pdf>

**Version:** 2024-04-28

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.

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	Utilization of rice husk ash as silica source for the synthesis of mesoporous silicas and their application to CO <sub>2</sub> adsorption through TREN/TEPA grafting. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 175, 928-38	12.8	176
56	Synthesis of mesoporous magnesium oxide: Its application to CO <sub>2</sub> chemisorption. <i>International Journal of Greenhouse Gas Control</i> , <b>2010</b> , 4, 51-56	4.2	164
55	Highly siliceous MCM-48 from rice husk ash for CO <sub>2</sub> adsorption. <i>International Journal of Greenhouse Gas Control</i> , <b>2009</b> , 3, 545-549	4.2	105
54	A direct synthesis of mesoporous carbon supported MgO sorbent for CO <sub>2</sub> capture. <i>Fuel</i> , <b>2011</b> , 90, 1662-1667	6.7	85
53	Biosynthesis of silver nanoparticles using <i>Cassia tora</i> leaf extract and its antioxidant and antibacterial activities. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 28, 277-281	6.3	79
52	Synthesis of chloropropylamine grafted mesoporous MCM-41, MCM-48 and SBA-15 from rice husk ash: their application to CO <sub>2</sub> chemisorption. <i>Journal of Porous Materials</i> , <b>2010</b> , 17, 475-484	2.4	72
51	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> , <b>2017</b> , 45, 1-7	6.1	63
50	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> , <b>2016</b> , 39, 127-135	6.3	58
49	Preparation, characterization, and diffusion study of nonwoven electrospun nanofiber of curcumin-loaded cellulose acetate phthalate polymer. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 921-926	4.4	32
48	Development of TREN dendrimers over mesoporous SBA-15 for CO <sub>2</sub> adsorption. <i>Applied Surface Science</i> , <b>2010</b> , 256, 6660-6666	6.7	32
47	Mixing-segregation phenomena of binary system in a fluidized bed. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2010</b> , 16, 390-394	6.3	31
46	Hydrogen production by the thermocatalytic decomposition of methane in a fluidized bed reactor. <i>Korean Journal of Chemical Engineering</i> , <b>2007</b> , 24, 374-377	2.8	31
45	<i>Hydnocarpus alpina</i> 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> , <b>2019</b> , 19, 101129	4.2	28
44	Zr-Fumarate MOF a Novel CO <sub>2</sub> -Adsorbing Material: Synthesis and Characterization. <i>Aerosol and Air Quality Research</i> , <b>2014</b> , 14, 1605-1612	4.6	27
43	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> , <b>2019</b> , 21, 101327	4.2	26
42	Octa(aminophenyl)silsesquioxane fabrication on chlorofunctionalized mesoporous SBA-15 for CO <sub>2</sub> adsorption. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 131, 265-273	5.3	26
41	Capecitabine encapsulated chitosan succinate-sodium alginate macromolecular complex beads for colon cancer targeted delivery: in vitro evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 840-850	7.9	25

40	Chitosan cocrystals embedded alginate beads for enhancing the solubility and bioavailability of aceclofenac. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 310-7	7.9	23
39	Synthesis of copper exchanged heteropolyacids supported on MCM-48 and its application for CO <sub>2</sub> adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2011</b> , 17, 628-632	6.3	21
38	Oxidation of Ethylbenzene Using Nickel Oxide Supported Metal Organic Framework Catalyst. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 3213-3218	1.2	21
37	Solvent free oxidation of ethylbenzene over Ce-BTC MOF. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 1358-1364	5.64	21
36	Preparation and characterization of gatifloxacin-loaded alginate/poly (vinyl alcohol) electrospun nanofibers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 847-52	6.1	20
35	Novel microporous hypercross-linked polymers as sorbent for volatile organic compounds and CO <sub>2</sub> adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 21, 1231-1238	6.3	19
34	Role of ceria in CO <sub>2</sub> adsorption on NaZSM-5 synthesized using rice husk ash. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2012</b> , 18, 260-265	6.3	19
33	Chitosan-HPMC-blended microspheres as a vaccine carrier for the delivery of tetanus toxoid. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 517-23	6.1	18
32	Chitosan-telmisartan polymeric cocrystals for improving oral absorption: In vitro and in vivo evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 879-885	7.9	15
31	One pot synthesized Li, Zr doped porous silica nanoparticle for low temperature CO <sub>2</sub> adsorption. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S1501-S1505	5.9	14
30	Development of duloxetine hydrochloride loaded mesoporous silica nanoparticles: characterizations and in vitro evaluation. <i>AAPS PharmSciTech</i> , <b>2015</b> , 16, 944-51	3.9	14
29	Adsorption, regeneration and interaction of CO <sub>2</sub> with a polythiophene/carbon mesocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 374, 48-53	5.1	13
28	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> , <b>2012</b> , 18, 684-689	6.3	11
27	Homopiperazine grafted mesoporous silicas from rice husk ash for CO <sub>2</sub> adsorption. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 4639-48	1.3	11
26	Dexterous template-free synthesis of ferrisilicate with MFI morphology using rice husk ash. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 1204-1209	3.9	11
25	Hydrogasification of various carbonaceous sources using pressure change properties. <i>Korean Journal of Chemical Engineering</i> , <b>2007</b> , 24, 532-536	2.8	11
24	Facile synthesis of amine modified silica/reduced graphene oxide composite sorbent for CO <sub>2</sub> adsorption. <i>Materials Letters</i> , <b>2019</b> , 247, 44-47	3.3	10
23	Synthesis and characterization of pharmaceutical surfactant templated mesoporous silica: Its application to controlled delivery of duloxetine. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 228-235	5.1	10

22	Comparative antioxidant and antimycobacterial activities of <i>Opuntia ficus-indica</i> fruit extracts from summer and rainy seasons. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , <b>2015</b> , 8, 182-191	0.7	7
21	Solvent free synthesis of coumarin derivative by the use of ALSBA-1 molecular sieves. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 953-960	6.3	7
20	Selective Oxidation of Ethylbenzene over Transition Metal Organic Framework Cu-BTC. <i>International Journal of Control and Automation</i> , <b>2013</b> , 6, 1-12	1.9	6
19	Microporous Spheres of Tiny Semiconducting Graphene Sheets from Hypercross-linked Polymers: Absorption and CO <sub>2</sub> Sorption Characteristics. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 714-723	1.9	5
18	Hypercross-linked lignite for NO <sub>x</sub> and CO <sub>2</sub> sorption. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 23, 194-199	6.3	5
17	Hydrothermal synthesis and characterization of Fe(III)-substituted mordenites. <i>Korean Journal of Chemical Engineering</i> , <b>2008</b> , 25, 1286-1291	2.8	5
16	Chitosan phthalate: A novel polymer for the multiparticulate drug delivery system for diclofenac sodium. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 2013-2020	1.9	5
15	In vitro assessment of three different artemisia species for their antioxidant and anti-fibrotic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2019</b> , 18, 101040	4.2	4
14	ESTIMATION OF MELOXICAM IN HUMAN PLASMA BY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY (LC-MS/MS). <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2013</b> , 36, 867-880	1.3	4
13	LIQUID CHROMATOGRAPHYELECTROSPRAY TANDEM MASS SPECTROMETRY (LC-MS/MS) DETERMINATION OF LANSOPRAZOLE IN HUMAN PLASMA. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2011</b> , 34, 129-142	1.3	4
12	Preparation And Evaluation Of Chitosan Succinate Pellets Using Extrusion-Spheronization Technology: Processing And In Vitro Characterization. <i>Turkish Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 13, 68-86	1.1	4
11	Kinetic study on degradation of gaseous acetone over thin-film TiO <sub>2</sub> photocatalyst in a continuous flow system. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2007</b> , 90, 85-91		3
10	Preparation and characterization of RGO-incorporated hypercross-linked polymers for CO <sub>2</sub> capture. <i>Carbon Letters</i> , <b>2019</b> , 29, 21-30	2.3	2
9	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> , <b>2013</b> , 7, 367-373		2
8	Effect of Zr and Li on high temperature CO <sub>2</sub> sorption characteristics of CaO. <i>Adsorption</i> , <b>2017</b> , 23, 1033-1039	10.39	2
7	Synthesis and Characterization of 1-octyl 2-cyano Acrylate for Wound Healing Applications. <i>International Journal of Bio-Science and Bio-Technology</i> , <b>2016</b> , 8, 339-350	0.1	2
6	Caprolactam Synthesis using Ce-MCM-41 Catalysts. <i>International Journal of Bio-Science and Bio-Technology</i> , <b>2016</b> , 8, 171-182	0.1	2
5	Constrained growth of solid amino alkyl siloxane (an organicoorganic hybrid): The ultimate selective sorbent for CO <sub>2</sub> . <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 65, 156-166	6.3	1

4	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> , <b>2006</b> , 39, 924-931	0.8	1
3	ALSBA-1 Molecular Sieves: Synthesis, Characterization and Catalytic Application. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 112-119	0.3	
2	Mesoporous Co(III) bis(tetrazolate) Framework for CO <sub>2</sub> Adsorption. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 445-451	0.3	
1	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> , <b>2016</b> , 15, 613	0.8	