

Dang Viet Quang

List of Publications by Citations

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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.

50
papers

1,381
citations

22
h-index

36
g-index

51
ext. papers

1,634
ext. citations

5.2
avg, IF

4.87
L-index

#	Paper	IF	Citations
50	Aqueous amine solution characterization for post-combustion CO ₂ capture process. <i>Applied Energy</i> , 2017 , 185, 1433-1449	10.7	193
49	Applications of fly ash for CO ₂ capture, utilization, and storage. <i>Journal of CO₂ Utilization</i> , 2019 , 29, 82-102	10.7	138
48	Effective water disinfection using silver nanoparticle containing silica beads. <i>Applied Surface Science</i> , 2013 , 266, 280-287	6.7	72
47	A gentle method to graft thiol-functional groups onto silica gel for adsorption of silver ions and immobilization of silver nanoparticles. <i>Powder Technology</i> , 2013 , 235, 221-227	5.2	57
46	Synthesis of sodium silicate-based hydrophilic silica aerogel beads with superior properties: Effect of heat-treatment. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2156-2162	3.9	56
45	Synthesis of hydrophilic and hydrophobic xerogels with superior properties using sodium silicate. <i>Microporous and Mesoporous Materials</i> , 2011 , 139, 138-147	5.3	53
44	Preparation of silver nanoparticle containing silica micro beads and investigation of their antibacterial activity. <i>Applied Surface Science</i> , 2011 , 257, 6963-6970	6.7	50
43	Preparation of amino functionalized silica micro beads by dry method for supporting silver nanoparticles with antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 389, 118-126	5.1	45
42	Synthesis of mesoporous silica with superior properties suitable for green tire. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1841-1844	6.3	43
41	Silver nanoparticles as potential antiviral agents against African swine fever virus. <i>Materials Research Express</i> , 2019 , 6, 1250g9	1.7	43
40	Thermally Stable Amine-Grafted Adsorbent Prepared by Impregnating 3-Aminopropyltriethoxysilane on Mesoporous Silica for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 7842-7852	3.9	42
39	Two step synthesis of a mesoporous titania/silica composite from titanium oxychloride and sodium silicate. <i>Powder Technology</i> , 2012 , 217, 489-496	5.2	39
38	One-Step Process Using CO ₂ for the Preparation of Amino-Functionalized Mesoporous Silica for CO ₂ Capture Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3170-3178	8.3	34
37	Effect of various structure directing agents on the physicochemical properties of the silica aerogels prepared at an ambient pressure. <i>Applied Surface Science</i> , 2013 , 287, 84-90	6.7	34
36	Synthesis and characterization of activated carbon from biomass date seeds for carbon dioxide adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104257	6.8	32
35	Influence of titania content on the mesostructure of titania/silica composites and their photocatalytic activity. <i>Powder Technology</i> , 2013 , 233, 123-130	5.2	29
34	Facile route for preparation of silver nanoparticle-coated precipitated silica. <i>Applied Surface Science</i> , 2011 , 257, 4250-4256	6.7	28

33	Effect of moisture on the heat capacity and the regeneration heat required for CO ₂ capture process using PEI impregnated mesoporous precipitated silica 2015 , 5, 91-101		27
32	Synthesis and characterization of micrometer-sized silica aerogel nanoporous beads. <i>Materials Letters</i> , 2012 , 81, 37-40	3.3	27
31	Simultaneous carbon dioxide capture and utilization using thermal desalination reject brine. <i>Applied Energy</i> , 2015 , 154, 298-308	10.7	27
30	Effective Removal of Pb(II) from Aqueous Media by a New Design of Cu-Mg Binary Ferrite. <i>ACS Omega</i> , 2020 , 5, 7298-7306	3.9	26
29	Effect of drying technique on the physicochemical properties of sodium silicate-based mesoporous precipitated silica. <i>Applied Surface Science</i> , 2011 , 258, 955-961	6.7	23
28	Investigation of CO ₂ adsorption performance and fluidization behavior of mesoporous silica supported polyethyleneimine. <i>Powder Technology</i> , 2016 , 301, 449-462	5.2	22
27	Silver-doped silica powder with antibacterial properties. <i>Powder Technology</i> , 2012 , 215-216, 219-222	5.2	20
26	Preparation of amino-functionalized silica for copper removal from an aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 83-87	6.3	20
25	Impregnation of Amines Onto Porous Precipitated Silica for CO ₂ capture. <i>Energy Procedia</i> , 2014 , 63, 2122-2128	2.3	19
24	Effect of PEI Impregnation on the CO ₂ Capture Performance of Activated Fly Ash. <i>Energy Procedia</i> , 2017 , 114, 2243-2251	2.3	18
23	A process for combined CO ₂ utilization and treatment of desalination reject brine. <i>Desalination</i> , 2018 , 442, 62-74	10.3	17
22	Effect of the gelation on the properties of precipitated silica powder produced by acidizing sodium silicate solution at the pilot scale. <i>Chemical Engineering Journal</i> , 2012 , 209, 531-536	14.7	16
21	Peptization technique in the synthesis of titania-silica composites and their photocatalytic properties. <i>Chemical Engineering Journal</i> , 2012 , 198-199, 122-129	14.7	15
20	Preparation of silver nanoparticle-containing ceramic filter by in-situ reduction and application for water disinfection. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103176	6.8	13
19	Study of Novel Solvent for CO ₂ Post-combustion Capture. <i>Energy Procedia</i> , 2015 , 75, 2268-2286	2.3	11
18	Synthesis of silver nanoparticles within the pores of functionalized-free silica beads: The effect of pore size and porous structure. <i>Materials Letters</i> , 2012 , 68, 350-353	3.3	11
17	Advanced Solid Sorbent-Based CO ₂ Capture Process. <i>Energy Procedia</i> , 2014 , 63, 2216-2229	2.3	11
16	Synthesis of nanosilver particles by reverse micelle method and study of their bactericidal properties. <i>Journal of Physics: Conference Series</i> , 2009 , 187, 012054	0.3	10

15	Potential for the Simultaneous Capture and Utilization of CO ₂ Using Desalination Reject Brine: Amine Solvent Selection and Evaluation. <i>Energy Procedia</i> , 2014 , 63, 7947-7953	2.3	9
14	Quantitative recovery of high purity nanoporous silica from waste products of the phosphate fertilizer industry. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 63-67	6.3	9
13	CO ₂ adsorption testing on fly ash derived cancrinite-type zeolite and its amine-functionalized derivatives. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 77-88	2.5	8
12	Characterization of Calcium-doped Silica Gel Prepared in an Aqueous Solution. <i>Resources Processing</i> , 2012 , 59, 33-41	0.1	6
11	BET study of silver-doped silica based on an inexpensive method. <i>Materials Letters</i> , 2012 , 80, 168-170	3.3	5
10	The Effect of Hydrothermal Treatment on Silver Nanoparticles Stabilized by Chitosan and Its Possible Application to Produce Mesoporous Silver Powder. <i>Journal of Powder Technology</i> , 2013 , 2013, 1-6		5
9	Template-free amine-bridged silsesquioxane with dangling amino groups and its CO ₂ adsorption performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23690-23702	13	4
8	Preparation of Polyethylenimine Impregnated Mesoporous Precipitated Silica for CO ₂ Capture		3
7	Heat of Absorption and Specific Heat of Carbon Dioxide in Aqueous Solutions of Monoethanolamine,3-piperidinemethanol and Their Blends. <i>Energy Procedia</i> , 2014 , 63, 2070-2081	2.3	3
6	Two-step rapid synthesis of mesoporous silica for green tire. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 1643-1646	2.8	3
5	Use of Calcite Mud from Paper Factories in Phosphorus Treatment. <i>Sustainability</i> , 2020 , 12, 5982	3.6	2
4	The Combination of CO ₂ Utilization and Solid Sorbent Preparation in One Step Process. <i>Energy Procedia</i> , 2017 , 114, 2460-2466	2.3	1
3	Novel biocomposite from polyamide 11 and jute fibres: the significance of fibre modification with SiO ₂ nanoparticles. <i>Polymer International</i> ,	3.3	1
2	The Utilization of CO ₂ , Alkaline Solid Waste, and Desalination Reject Brine in Soda Ash Production. <i>Energy, Environment, and Sustainability</i> , 2019 , 153-184	0.8	1
1	Utilization of Rice Husk, an Abundant and Inexpensive Biomass in Porous Ceramic Membrane Preparation: A Crucial Role of Firing Temperature. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-7	3.2	0