

Imam Prasetyo

List of Publications by Year in descending order

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46
papers

1,001
citations

686830

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433756

31
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47
all docs

47
docs citations

47
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of cadmium by biomass of marine algae. <i>Biotechnology and Bioengineering</i> , 1993, 41, 819-825.	1.7	432
2	Cadmium removal in a biosorption column. <i>Biotechnology and Bioengineering</i> , 1994, 43, 1010-1015.	1.7	144
3	Adsorption rate of methane and carbon dioxide on activated carbon by the semi-batch constant molar flow rate method. <i>Chemical Engineering Science</i> , 1998, 53, 3459-3467.	1.9	49
4	On the surface diffusion of hydrocarbons in microporous activated carbon. <i>Chemical Engineering Science</i> , 2001, 56, 4351-4368.	1.9	37
5	Surface diffusion and adsorption of hydrocarbons in activated carbon. <i>AIChE Journal</i> , 2001, 47, 2515-2525.	1.8	32
6	Pore structure alteration of porous carbon by catalytic coke deposition. <i>Carbon</i> , 1999, 37, 1909-1918.	5.4	31
7	Surface diffusion of strong adsorbing vapours on porous carbon. <i>Chemical Engineering Science</i> , 2002, 57, 133-141.	1.9	29
8	Nanoporous Carbon Prepared from Palm Kernel Shell for CO ₂ /CH ₄ Separation. <i>Waste and Biomass Valorization</i> , 2020, 11, 5599-5606.	1.8	20
9	Constant molar flow semi-batch adsorber as a tool to study adsorption kinetics of pure gases and vapours. <i>Chemical Engineering Science</i> , 2000, 55, 1717-1727.	1.9	19
10	Controlling Synthesis of Polymer-Derived Carbon Molecular Sieve and Its Performance for CO ₂ /CH ₄ Separation. <i>Engineering Journal</i> , 2017, 21, 83-94.	0.5	19
11	Adsorption kinetics of light paraffins in AC by a constant molar flow-rate method. <i>AIChE Journal</i> , 1999, 45, 1892-1900.	1.8	17
12	Separation of Lithium Ion from Lithium-Cobalt Mixture using Electrodialysis Monovalent Membrane. <i>Engineering Journal</i> , 2018, 22, 165-179.	0.5	17
13	Modifying Nanoporous Carbon through Hydrogen Peroxide Oxidation for Removal of Metronidazole Antibiotics from Simulated Wastewater. <i>Processes</i> , 2019, 7, 835.	1.3	16
14	SIMPLE METHOD TO PRODUCE NANOPOROUS CARBON FOR VARIOUS APPLICATIONS BY PYROLYSIS OF SPECIALLY SYNTHESIZED PHENOLIC RESIN. <i>Indonesian Journal of Chemistry</i> , 2013, 13, 95-100.	0.3	16
15	Pore size control of polymer-derived carbon adsorbent and its application for dye removal. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4631-4636.	1.8	14
16	Improving the Separation of CO ₂ /CH ₄ Using Impregnation of Deep Eutectic Solvents on Porous Carbon. <i>ACS Omega</i> , 2021, 6, 19194-19201.	1.6	13
17	Removing Ethylene by Adsorption using Cobalt Oxide-Loaded Nanoporous Carbon. <i>ASEAN Journal of Chemical Engineering</i> , 2018, 18, 9.	0.5	12
18	Role of the pore structure of Fe/C catalysts on heterogeneous Fenton oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102921.	3.3	11

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19	Lignin Refinery Using Organosolv Process for Nanoporous Carbon Synthesis. <i>Molecules</i> , 2020, 25, 3428.	1.7	8
20	Preparation of porous carbon as ethylene adsorbent by pyrolysis of extraction waste <i>Mangosteen</i> rinds. <i>MATEC Web of Conferences</i> , 2018, 154, 01032.	0.1	7
21	Ethylene Adsorption Using Cobalt Oxide-Loaded Polymer-Derived Nanoporous Carbon and Its Application to Extend Shelf Life of Fruit. <i>Molecules</i> , 2019, 24, 1507.	1.7	7
22	Nanoporous carbon based palm kernel shell and its characteristics of methane and carbon dioxide adsorption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022057.	0.3	6
23	Mesoporous Manganese Oxide/Lignin-Derived Carbon for High Performance of Supercapacitor Electrodes. <i>Molecules</i> , 2021, 26, 7104.	1.7	6
24	Ciprofloxacin Removal from Simulated Wastewater Through a Combined Process of Adsorption and Oxidation Processes Using Fe/C Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	6
25	The Effect of Amine Types on Breakthrough Separation of Methane on Biogas. <i>International Journal of Renewable Energy Development</i> , 2021, 10, 249-255.	1.2	5
26	Preserving Climacteric Fruits by Ripening Hormone Oxidation using nano-KMnO ₄ Confined within Nanoporous Carbon. <i>ASEAN Journal of Chemical Engineering</i> , 2019, 19, 54.	0.5	4
27	Adsorption of Ethylene using Cobalt Oxide-Loaded Pillared Clay. <i>Journal of Engineering and Technological Sciences</i> , 2020, 52, 424.	0.3	3
28	Radioiodination of Modified Porous Silica Nanoparticles as a Potential Candidate of Iodine-131 Drugs Vehicle. <i>ACS Omega</i> , 2022, 7, 13494-13506.	1.6	3
29	Surface modification of nanoporous carbon using gamma irradiation treatment as supercapacitor material. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	2
30	Oxygen-enriched surface modification for improving the dispersion of iron oxide on a porous carbon surface and its application as carbon molecular sieves (CMS) for CO ₂ /CH ₄ separation. <i>RSC Advances</i> , 2021, 11, 36782-36791.	1.7	2
31	PREPARASI KARBON TEREMBAN OKSIDA COBALT DARI LIMBAH KULIT MANGGIS SEBAGAI ADSORBEN PENJERAP ETILEN UNTUK PENGAWETAN BUAH. <i>Reaktor</i> , 2015, 15, 165.	0.2	1
32	Hydrogen storage using metal oxide loaded in polymer-derived carbon. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
33	Synthesis of nanoporous carbon from mangosteen peel lignin extracted by using organosolv and soda processes. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
34	Surface-Modified Carbon Synthesized from Palm Kernel Shell for Electric Double-Layer Capacitor Applications. <i>Key Engineering Materials</i> , 0, 884, 423-429.	0.4	1
35	Preparation of Potassium Permanganate Confined in Porous Carbon Synthesized from Palm Kernel Shell and its Application for Hydrogen Sulfide Removal. <i>Key Engineering Materials</i> , 0, 884, 77-82.	0.4	1
36	Thermodynamics Analysis on Methane Hydrate Formation in Porous Carbon. <i>ASEAN Journal of Chemical Engineering</i> , 2017, 16, 8.	0.5	1

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37	The Analysis of Hierarchical Structure of Mesoporous Silica in Nanometer Scale by Small Angle Scattering Method. Atom Indonesia, 2018, 44, 9.	0.2	1
38	SURFACE DIFFUSION OF HYDROCARBON IN ACTIVATED CARBON. , 2000, , .		0
39	The RCA Corrosion Attack in Once Through Steam Generators Tubes Failures: South Oman Steam EOR Case Study. , 2012, , .		0
40	Jaranan Wood (<i><i>Lannea coromandelica</i></i>)-Derived Porous Carbon and its Performance for Anionic Surfactant Adsorption. Key Engineering Materials, 0, 840, 3-9.	0.4	0
41	Preparation of Carbon Monolith Derived from Resorcinol-Formaldehyde Resin and Its Application for Antibiotic Adsorption. IOP Conference Series: Earth and Environmental Science, 2020, 572, 012015.	0.2	0
42	Adsorption of carbon dioxide in porous carbon containing monoethanolamine (MEA): The effect of carbon surface pre-treatment. AIP Conference Proceedings, 2021, , .	0.3	0
43	Upgrading Methane Purity in Biogas Plant Gamping by Using Carbon-Based Molecular Sieve. Key Engineering Materials, 0, 884, 98-103.	0.4	0
44	DIFFUSION AND FLOW OF HYDROCARBONS IN ACTIVATED CARBON FROM LOW TO CAPILLARY CONDENSATION REGION. , 2000, , .		0
45	Enhancing capacitive performance of lignin-derived carbon by Mn oxide loading. AIP Conference Proceedings, 2022, , .	0.3	0
46	Preparation of magnesium oxide confined in activated carbon synthesized from palm kernel shell and its application for hydrogen sulfide removal. IOP Conference Series: Earth and Environmental Science, 2022, 963, 012031.	0.2	0