Imam Prasetyo

List of Publications by Year in descending order

46 papers	1,001 citations	686830 13 h-index	433756 31 g-index
47 all docs	47 docs citations	47 times ranked	831 citing authors

#	Article	IF	Citations
1	Enhancing capacitive performance of lignin-derived carbon by Mn oxide loading. AIP Conference Proceedings, 2022, , .	0.3	0
2	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
3	Radioiodination of Modified Porous Silica Nanoparticles as a Potential Candidate of Iodine-131 Drugs Vehicle. ACS Omega, 2022, 7, 13494-13506.	1.6	3
4	Ciprofloxacin Removal from Simulated Wastewater Through a Combined Process of Adsorption and Oxidation Processes Using Fe/C Adsorbent. Water, Air, and Soil Pollution, 2022, 233, .	1.1	6
5	Adsorption of carbon dioxide in porous carbon containing monoethanolamine (MEA): The effect of carbon surface pre-treatment. AIP Conference Proceedings, 2021, , .	0.3	0
6	Improving the Separation of CO₂/CH₄ Using Impregnation of Deep Eutectic Solvents on Porous Carbon. ACS Omega, 2021, 6, 19194-19201.	1.6	13
7	Surface modification of nanoporous carbon using gamma irradiation treatment as supercapacitor material. AIP Conference Proceedings, 2021, , .	0.3	2
8	The Effect of Amine Types on Breakthrough Separation of Methane on Biogas. International Journal of Renewable Energy Development, 2021, 10, 249-255.	1.2	5
9	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 CO₂/CH₄ separation. RSC Advances, 2021, 11, 36782-36791.	1.7	2
10	Mesoporous Manganese Oxide/Lignin-Derived Carbon for High Performance of Supercapacitor Electrodes. Molecules, 2021, 26, 7104.	1.7	6
11	Role of the pore structure of Fe/C catalysts on heterogeneous Fenton oxidation. Journal of Environmental Chemical Engineering, 2020, 8, 102921.	3.3	11
12	Lignin Refinery Using Organosolv Process for Nanoporous Carbon Synthesis. Molecules, 2020, 25, 3428.	1.7	8
13	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
14	Nanoporous carbon based palm kernel shell and its characteristics of methane and carbon dioxide adsorption. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022057.	0.3	6
15	Nanoporous Carbon Prepared from Palm Kernel Shell for CO2/CH4 Separation. Waste and Biomass Valorization, 2020, 11, 5599-5606.	1.8	20
16	Adsorption of Ethylene using Cobalt Oxide-Loaded Pillared Clay. Journal of Engineering and Technological Sciences, 2020, 52, 424.	0.3	3
17	Hydrogen storage using metal oxide loaded in polymer-derived carbon. AIP Conference Proceedings, 2019, , .	0.3	1
18	Ethylene Adsorption Using Cobalt Oxide-Loaded Polymer-Derived Nanoporous Carbon and Its Application to Extend Shelf Life of Fruit. Molecules, 2019, 24, 1507.	1.7	7

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19	Synthesis of nanoporous carbon from mangosteen peel lignin extracted by using organosolv and soda processes. AIP Conference Proceedings, 2019, , .	0.3	1
20	Modifying Nanoporous Carbon through Hydrogen Peroxide Oxidation for Removal of Metronidazole Antibiotics from Simulated Wastewater. Processes, 2019, 7, 835.	1.3	16
21	Pore size control of polymer-derived carbon adsorbent and its application for dye removal. International Journal of Environmental Science and Technology, 2019, 16, 4631-4636.	1.8	14
22	Preserving Climacteric Fruits by Ripening Hormone Oxidation using nano-KMnO4 Confined within Nanoporous Carbon. ASEAN Journal of Chemical Engineering, 2019, 19, 54.	0.5	4
23	Preparation of porous carbon as ethylene adsorbent by pyrolysis of extraction waste Mangosteen rinds. MATEC Web of Conferences, 2018, 154, 01032.	0.1	7
24	Removing Ethylene by Adsorption using Cobalt Oxide-Loaded Nanoporous Carbon. ASEAN Journal of Chemical Engineering, 2018, 18, 9.	0.5	12
25	Separation of Lithium Ion from Lithium-Cobalt Mixture using Electrodialysis Monovalent Membrane. Engineering Journal, 2018, 22, 165-179.	0.5	17
26	The Analysis of Hierarchical Structure of Mesoporous Silica in Nanometer Scale by Small Angle Scattering Method. Atom Indonesia, 2018, 44, 9.	0.2	1
27	Controlling Synthesis of Polymer-Derived Carbon Molecular Sieve and Its Performance for CO2/CH4 Separation. Engineering Journal, 2017, 21, 83-94.	0.5	19
28	Thermodynamics Analysis on Methane Hydrate Formation in Porous Carbon. ASEAN Journal of Chemical Engineering, 2017, 16, 8.	0.5	1
29	PREPARASI KARBON TEREMBAN OKSIDA COBALT DARI LIMBAH KULIT MANGGIS SEBAGAI ADSORBEN PENJERAP ETILEN UNTUK PENGAWETAN BUAH. Reaktor, 2015, 15, 165.	0.2	1
30	SIMPLE METHOD TO PRODUCE NANOPOROUS CARBON FOR VARIOUS APPLICATIONS BY PYROLYSIS OF SPECIALLY SYNTHESIZED PHENOLIC RESIN. Indonesian Journal of Chemistry, 2013, 13, 95-100.	0.3	16
31	The RCA Corrosion Attack in Once Through Steam Generators Tubes Failures: South Oman Steam EOR Case Study. , 2012, , .		0
32	Surface diffusion of strong adsorbing vapours on porous carbon. Chemical Engineering Science, 2002, 57, 133-141.	1.9	29
33	Surface diffusion and adsorption of hydrocarbons in activated carbon. AICHE Journal, 2001, 47, 2515-2525.	1.8	32
34	On the surface diffusion of hydrocarbons in microporous activated carbon. Chemical Engineering Science, 2001, 56, 4351-4368.	1.9	37
35	SURFACE DIFFUSION OF HYDROCARBON IN ACTIVATED CARBON. , 2000, , .		0
36	Constant molar flow semi-batch adsorber as a tool to study adsorption kinetics of pure gases and vapours. Chemical Engineering Science, 2000, 55, 1717-1727.	1.9	19

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37	DIFFUSION AND FLOW OF HYDROCARBONS IN ACTIVATED CARBON FROM LOW TO CAPILLARY CONDENSATION REGION. , 2000, , .		0
38	Pore structure alteration of porous carbon by catalytic coke deposition. Carbon, 1999, 37, 1909-1918.	5.4	31
39	Adsorption kinetics of light paraffins in AC by a constant molar flow-rate method. AICHE Journal, 1999, 45, 1892-1900.	1.8	17
40	Adsorption rate of methane and carbon dioxide on activated carbon by the semi-batch constant molar flow rate method. Chemical Engineering Science, 1998, 53, 3459-3467.	1.9	49
41	Cadmium removal in a biosorption column. Biotechnology and Bioengineering, 1994, 43, 1010-1015.	1.7	144
42	Biosorption of cadmium by biomass of marine algae. Biotechnology and Bioengineering, 1993, 41, 819-825.	1.7	432
43	Jaranan Wood (<i>Lannea coromandelica</i>)-Derived Porous Carbon and its Performance for Anionic Surfactant Adsorption. Key Engineering Materials, 0, 840, 3-9.	0.4	0
44	Surface-Modified Carbon Synthesized from Palm Kernel Shell for Electric Double-Layer Capacitor Applications. Key Engineering Materials, 0, 884, 423-429.	0.4	1
45	Upgrading Methane Purity in Biogas Plant Gamping by Using Carbon-Based Molecular Sieve. Key Engineering Materials, 0, 884, 98-103.	0.4	0
46	Preparation of Potassium Permanganate Confined in Porous Carbon Synthesized from Palm Kernel Shell and its Application for Hydrogen Sulfide Removal. Key Engineering Materials, 0, 884, 77-82.	0.4	1