

Jarosław Serafin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

872
citations

687363

13
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

534
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly microporous activated carbons from biomass for CO ₂ capture and effective micropores at different conditions. <i>Journal of CO₂ Utilization</i> , 2017, 18, 73-79.	6.8	265
2	Direct conversion of biomass to nanoporous activated biocarbons for high CO ₂ adsorption and supercapacitor applications. <i>Applied Surface Science</i> , 2019, 497, 143722.	6.1	130
3	Preparation of low-cost activated carbons from amazonian nutshells for CO ₂ storage. <i>Biomass and Bioenergy</i> , 2021, 144, 105925.	5.7	60
4	Management of surgical mask waste to activated carbons for CO ₂ capture. <i>Journal of CO₂ Utilization</i> , 2022, 59, 101970.	6.8	59
5	Conversion of fruit waste-derived biomass to highly microporous activated carbon for enhanced CO ₂ capture. <i>Waste Management</i> , 2021, 136, 273-282.	7.4	55
6	The new tailored nanoporous carbons from the common polypody (<i>Polypodium vulgare</i>): The role of textural properties for enhanced CO ₂ adsorption. <i>Chemical Engineering Journal</i> , 2022, 429, 131751.	12.7	45
7	Physical and chemical properties of activated carbon synthesized from plant wastes and shungite for CO ₂ capture. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106798.	6.7	43
8	Promising activated carbons derived from common oak leaves and their application in CO ₂ storage. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107642.	6.7	31
9	Single step preparation of activated biocarbons derived from pomegranate peels and their CO ₂ adsorption performance. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 160, 105338.	5.5	26
10	Activated carbons from the Amazonian biomass andiroba shells applied as a CO ₂ adsorbent and a cheap semiconductor material. <i>Journal of CO₂ Utilization</i> , 2022, 62, 102071.	6.8	22
11	Preparation and characterisation of carbon spheres for carbon dioxide capture. <i>Journal of Porous Materials</i> , 2019, 26, 19-27.	2.6	19
12	Adsorption of carbon dioxide on TEPA-modified TiO ₂ /titanate composite nanorods. <i>New Journal of Chemistry</i> , 2017, 41, 7870-7885.	2.8	16
13	Photocatalytic hydrogen production from alcohol aqueous solutions over TiO ₂ -activated carbon composites decorated with Au and Pt. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113726.	3.9	15
14	Computer Analysis of the Effect of Activation Temperature on the Microporous Structure Development of Activated Carbon Derived from Common Polypody. <i>Materials</i> , 2021, 14, 2951.	2.9	14
15	Macroporous silicon coated with M/TiO ₂ (M=Au,Pt) as a highly efficient photoreactor for hydrogen production. <i>Chemical Engineering Journal</i> , 2020, 393, 124701.	12.7	12
16	Utilization of spent dregs for the production of activated carbon for CO ₂ adsorption. <i>Polish Journal of Chemical Technology</i> , 2017, 19, 44-50.	0.5	11
17	Carbonaceous catalysts from orange pulp for limonene oxidation. <i>Carbon Letters</i> , 2020, 30, 189-198.	5.9	11
18	Activated Carbon Modification towards Efficient Catalyst for High Value-Added Products Synthesis from Alpha-Pinene. <i>Materials</i> , 2021, 14, 7811.	2.9	10

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19	Hydrogen photoproduction on TiO ₂ -reduced graphene oxide hybrid materials from water-ethanol mixture. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113406.	3.9	8
20	A straightforward method to prepare supported Au clusters by mechanochemistry and its application in photocatalysis. <i>Applied Materials Today</i> , 2020, 21, 100873.	4.3	7
21	Preparation of Activated Carbon from the Biodegradable film for Co ²⁺ Capture Applications. <i>Polish Journal of Chemical Technology</i> , 2018, 20, 75-80.	0.5	5
22	Microporous carbon spheres modified with EDA used as carbon dioxide sorbents. <i>Advanced Materials Letters</i> , 2018, 9, 432-435.	0.6	4
23	FeCl ₃ -Modified Carbonaceous Catalysts from Orange Peel for Solvent-Free Alpha-Pinene Oxidation. <i>Materials</i> , 2021, 14, 7729.	2.9	3
24	Adsorption And Thermodynamic Parameters Of Activated Carbon-Diazepam Systems In Simulated Gastric Fluid. <i>Advanced Materials Letters</i> , 2021, 12, 21061637-21061637.	0.6	1