

Andrzej Gierak

List of Publications by Year in descending order

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32
papers

693
citations

567281

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docs citations

32
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost Adsorbents Derived from Agricultural By-products/Wastes for Enhancing Contaminant Uptakes from Wastewater: A Review. Polish Journal of Environmental Studies, 2017, 26, 479-510.	1.2	154
2	Development, characterization and evaluation of composite adsorbent for the adsorption of crystal violet from aqueous solution: Isotherm, kinetics, and thermodynamic studies. Arabian Journal of Chemistry, 2021, 14, 103115.	4.9	49
3	Carbon adsorbents as materials for chromatography I. Gas chromatography. Materials Chemistry and Physics, 1997, 51, 216-232.	4.0	44
4	Hydrothermal modification of silica gels (xerogels) 1. Effect of treatment temperature on their porous structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 105, 181-189.	4.7	41
5	Hydrothermal modification of silica gels (xerogels) 2. Effect of the duration of treatment on their porous structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 105, 191-197.	4.7	34
6	Topography and morphology of the carbon deposit obtained by pyrolysis of methylene chloride on a silica gel surface. Journal of Analytical and Applied Pyrolysis, 1988, 13, 89-101.	5.5	32
7	Preparation of carboneous adsorbents by catalytic decomposition of hydrocarbons for chromatographic application. Journal of Chromatography A, 1989, 483, 197-207.	3.7	32
8	Studies of properties of complex carbon-silica adsorbents used in sorption-desorption processes (solid-phase extraction). Fresenius' Journal of Analytical Chemistry, 1995, 352, 667-671.	1.5	26
9	Influence of water on adsorption of organic compounds from its aqueous solutions on surface of synthetic active carbons. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 245, 61-67.	4.7	21
10	Effect of the parameters of methylen chlorids carbonization on silica gel surface on the properties of an adsorbent (carbosil). Materials Chemistry and Physics, 1988, 19, 503-516.	4.0	20
11	Effect of silica gel quantity on the course of hydrothermal treatment in an autoclave. Materials Chemistry and Physics, 1992, 31, 355-358.	4.0	17
12	On the activation and deactivation of patch-like carbon-mineral adsorbents. Reaction Kinetics and Catalysis Letters, 1993, 50, 63-69.	0.6	17
13	Green Environmental Approach for Adsorption of Hazardous Dye from Water Using Tree and Sea Plant Leaves (Dead L). Acta Scientific Agriculture, 2020, 4, 01-10.	0.2	17
14	Structural and energetic heterogeneities and adsorptive properties of synthetic carbon adsorbents. Applied Surface Science, 2005, 242, 154-161.	6.1	16
15	The preparation, properties and application of carbon fibers for SPME. Talanta, 2006, 69, 1079-1087.	5.5	16
16	Utilization of New Activated Carbon Derived from Oak Leaves for Removal of Crystal Violet from Aqueous Solution. Polish Journal of Environmental Studies, 0, 23, .	1.2	16
17	Adsorption of nitrate, nitrite, and ammonium ions on carbon adsorbents. Adsorption Science and Technology, 2017, 35, 721-727.	3.2	16
18	Properties of hydrothermally modified silica gels – Effect of the parameters of porous structure on the course of the modification process. Materials Chemistry and Physics, 1988, 20, 87-97.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Detection and visualization methods used in thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2011, 24, 274-280.	1.2	14
20	Application of Activated Carbon for the Sorption of Some Heavy Metals from Aqueous Solution and Their Determination by Atomic Spectroscopy. <i>Adsorption Science and Technology</i> , 1996, 14, 47-57.	3.2	13
21	Improvement of carbon-silica sorbent (carbosil) surface properties upon steam activation at 1073 K. <i>Materials Chemistry and Physics</i> , 1994, 36, 264-270.	4.0	12
22	Preparation, characterization and adsorption application of spherical carbon adsorbents obtained from sulfonated polymers. <i>Materials Chemistry and Physics</i> , 1995, 41, 28-35.	4.0	12
23	Low surface area carbonized silica obtained by the pyrolysis of dichloromethane: A column packing for adsorption and exclusion chromatography. <i>Chromatographia</i> , 1983, 17, 627-632.	1.3	10
24	Effect of zirconium on preparation and sorption properties of complex carbon-mineral adsorbents. <i>Materials Chemistry and Physics</i> , 1991, 30, 83-91.	4.0	10
25	The thermal properties of carbon-silica adsorbents (carbosils) prepared by methylene chloride pyrolysis. <i>Journal of Thermal Analysis</i> , 1989, 35, 2213-2224.	0.6	9
26	Properties of thin polyethylene glycol layers on the surface of silica gel and pyrocarbon/silica gel. <i>Materials Chemistry and Physics</i> , 2001, 70, 25-37.	4.0	9
27	Adsorptive Removal of Aqueous Phase Crystal Violet Dye by Low-Cost Activated Carbon Obtained from Date Palm (L.) Dead Leaflets. <i>Engineering and Protection of Environment</i> , 2016, 19, 611-631.	0.3	9
28	Preparation of synthetic carbon adsorbents and investigation on porous structure of obtained adsorbents with $\text{I}\pm\text{s}$ method. <i>Materials Chemistry and Physics</i> , 2003, 82, 165-172.	4.0	7
29	Capillary Action Liquid Chromatography: New Chromatographic Technique for the Separation and Determination of Colour Substances. <i>Adsorption Science and Technology</i> , 2015, 33, 639-643.	3.2	3
30	Complex Carbon-Silica Adsorbents: Preparation, Properties and Some Applications as Model Adsorbents. <i>Kluwer International Series in Engineering and Computer Science</i> , 1996, , 497-504.	0.2	3
31	A comparison of the parameters of the chromatographic separation of the mixture of dyes obtained by caLC on the adsorbents type RP-8 and RP-18. <i>Adsorption Science and Technology</i> , 2017, 35, 684-691.	3.2	0
32	Synthetic carbon adsorbents - the method of their preparation and application in adsorption and chromatography. <i>Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia"</i> , 2009, 64, .	0.2	0