

Barbara Charmas

List of Publications by Year in descending order

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36
papers

883
citations

623734

14
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of sewage sludge properties on the biochar characteristic. Journal of Analytical and Applied Pyrolysis, 2015, 112, 201-213.	5.5	220
2	Activated biochars reduce the exposure of polycyclic aromatic hydrocarbons in industrially contaminated soils. Chemical Engineering Journal, 2017, 310, 33-40.	12.7	105
3	Effect of biochar activation by different methods on toxicity of soil contaminated by industrial activity. Ecotoxicology and Environmental Safety, 2017, 136, 119-125.	6.0	99
4	Swelling effects in cross-linked polymers by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2017, 130, 85-93.	3.6	54
5	Preparation and characterization of activated carbons obtained from the waste materials impregnated with phosphoric acid(V). Applied Nanoscience (Switzerland), 2020, 10, 4703-4716.	3.1	50
6	Activated Carbon from Agricultural Wastes for Adsorption of Organic Pollutants. Molecules, 2020, 25, 5105.	3.8	41
7	Water Interactions with Hydrophobic versus Hydrophilic Nanosilica. Langmuir, 2018, 34, 12145-12153.	3.5	37
8	Active carbons from waste biochars. Journal of Thermal Analysis and Calorimetry, 2017, 130, 15-24.	3.6	25
9	Carbonâ€“mineral adsorbents prepared by pyrolysis of waste materials in the presence of tetrachloromethane. Journal of Colloid and Interface Science, 2005, 284, 39-47.	9.4	23
10	Unusual interfacial phenomena at a surface of fullerite and carbon nanotubes. Chemical Physics, 2015, 459, 172-185.	1.9	23
11	Preparation and Characterization of Physicochemical Properties of Spruce Cone Biochars Activated by CO ₂ . Materials, 2021, 14, 3859.	2.9	19
12	Characterization of Multimodal Silicas Using TG/DTG/DTA, Q-TG, and DSC Methods. Colloids and Interfaces, 2019, 3, 6.	2.1	16
13	Application of differential scanning calorimetry to study porous structure of hydrothermally modified silicas. Journal of Thermal Analysis and Calorimetry, 2017, 129, 23-32.	3.6	15
14	Influence of mechanochemical and microwave modification on ion-exchange properties of tin dioxide with respect to uranyl ions. Adsorption, 2019, 25, 451-457.	3.0	14
15	Synthesis and modification of Ce-Zr oxide compositions as photocatalysts. Applied Catalysis A: General, 2020, 603, 117767.	4.3	14
16	Complex investigations of structural and thermal properties of silica-titania adsorbents. Journal of Thermal Analysis and Calorimetry, 2012, 108, 1085-1092.	3.6	12
17	Comparison of Overcurrent Responses of 2G HTS Tapes. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	12
18	Synthesis and characterization of resorcinolâ€“formaldehyde resin chars doped by zinc oxide. Applied Surface Science, 2014, 303, 263-271.	6.1	11

#	ARTICLE	IF	CITATIONS
19	TG and DSC studies of bone tissue: Effects of osteoporosis. <i>Thermochimica Acta</i> , 2013, 573, 73-81.	2.7	10
20	Carbon-silica gel adsorbents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1683-1697.	3.6	10
21	Adsorption and calorimetric studies of hydrothermally modified carbosils. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1395-1405.	3.6	9
22	Surface heterogeneity of carbon-silica adsorbents studied on the basis of the complex adsorption investigations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 213, 45-57.	4.7	8
23	Structural and thermal characteristics of Ni-doped carbosils prepared by mechanochemistry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1347-1354.	3.6	7
24	Structural, thermal and photocatalytic properties of composite materials SiO ₂ /TiO ₂ /C. <i>Adsorption</i> , 2019, 25, 501-511.	3.0	7
25	Mechanochemical and microwave treatment of precipitated zirconium dioxide and study of its physical-chemical, thermal and photocatalytic properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 253-262.	3.6	7
26	Mechanochemical synthesis of nanophotocatalysts SiO ₂ /TiO ₂ /Fe ₂ O ₃ : their structural, thermal and photocatalytic properties. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4733-4746.	3.1	7
27	The effect of mechanochemical, microwave and hydrothermal modification of precipitated TiO ₂ on its physical-chemical and photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158011.	5.5	7
28	Effects of strongly aggregated silica nanoparticles on interfacial behaviour of water bound to lactic acid bacteria. <i>RSC Advances</i> , 2015, 5, 7734-7739.	3.6	6
29	Influence of mechanochemical treatment on thermal and structural properties of silica-collagen and hydroxyapatite-collagen composites. <i>Adsorption</i> , 2019, 25, 591-599.	3.0	4
30	Characterization of Porosity and Thermal Properties of Ni-Doped Carbosils Obtained by Starch Gelation. <i>Adsorption Science and Technology</i> , 2015, 33, 539-544.	3.2	3
31	Smart preparation of microporous carbons from spent coffee grounds. Comprehensive characterization and application in explosives removal from water samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, , 128889.	4.7	3
32	Modification of Tin Phosphate Nanoporous Structure under Hydrothermal Conditions. , 2019, , .		2
33	Structural, thermal and energetic characteristics of synthetic active carbons prepared on the basis of ion-exchange resin Amberlite IRC 84. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 1539-1549.	3.6	2
34	Textural Characteristics of Resorcinol-Formaldehyde Resin and Temperature Behavior of Bound Water Affected by Co-Adsorbed Trifluoroacetic Acid or Pyridine in Weakly Polar Organic Media. <i>Adsorption Science and Technology</i> , 2014, 32, 845-855.	3.2	1
35	Influence of Doping with Silver on Photocatalytic Properties of Tin Dioxide. , 2021, , .		0
36	STRUCTURE AND ENERGETIC PROPERTIES OF CARBON-MINERAL ADSORBENTS SURFACE PREPARED BY PYROLYSIS OF METHYLENE CHLORIDE. , 2000, , .		0