

Barbara Charmas

List of Publications by Year in descending order

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36
papers

883
citations

623734

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477307

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1148
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Preparation and Characterization of Physicochemical Properties of Spruce Cone Biochars Activated by CO ₂ . <i>Materials</i> , 2021, 14, 3859.	2.9	19
5	Influence of Doping with Silver on Photocatalytic Properties of Tin Dioxide. , 2021, , .		0
6	Synthesis and modification of Ce-Zr oxide compositions as photocatalysts. <i>Applied Catalysis A: General</i> , 2020, 603, 117767.	4.3	14
7	Activated Carbon from Agricultural Wastes for Adsorption of Organic Pollutants. <i>Molecules</i> , 2020, 25, 5105.	3.8	41
8	Preparation and characterization of activated carbons obtained from the waste materials impregnated with phosphoric acid(V). <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4703-4716.	3.1	50
9	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
10	Influence of mechanochemical and microwave modification on ion-exchange properties of tin dioxide with respect to uranyl ions. <i>Adsorption</i> , 2019, 25, 451-457.	3.0	14
11	Structural, thermal and photocatalytic properties of composite materials SiO ₂ /TiO ₂ /C. <i>Adsorption</i> , 2019, 25, 501-511.	3.0	7
12	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
13	Modification of Tin Phosphate Nanoporous Structure under Hydrothermal Conditions. , 2019, , .		2
14	Characterization of Multimodal Silicas Using TG/DTG/DTA, Q-TG, and DSC Methods. <i>Colloids and Interfaces</i> , 2019, 3, 6.	2.1	16
15	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
16	Water Interactions with Hydrophobic versus Hydrophilic Nanosilica. <i>Langmuir</i> , 2018, 34, 12145-12153.	3.5	37
17	Carbon-silica gel adsorbents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1683-1697.	3.6	10
18	Application of differential scanning calorimetry to study porous structure of hydrothermally modified silicas. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 23-32.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Swelling effects in cross-linked polymers by thermogravimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 85-93.	3.6	54
20	Active carbons from waste biochars. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 15-24.	3.6	25
21	Activated biochars reduce the exposure of polycyclic aromatic hydrocarbons in industrially contaminated soils. <i>Chemical Engineering Journal</i> , 2017, 310, 33-40.	12.7	105
22	Effect of biochar activation by different methods on toxicity of soil contaminated by industrial activity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 136, 119-125.	6.0	99
23	Comparison of Overcurrent Responses of 2G HTS Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.7	12
24	Characterization of Porosity and Thermal Properties of Ni-Doped Carbons Obtained by Starch Gelation. <i>Adsorption Science and Technology</i> , 2015, 33, 539-544.	3.2	3
25	Effect of sewage sludge properties on the biochar characteristic. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 112, 201-213.	5.5	220
26	Structural and thermal characteristics of Ni-doped carbons prepared by mechanochemistry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1347-1354.	3.6	7
27	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
28	Unusual interfacial phenomena at a surface of fullerite and carbon nanotubes. <i>Chemical Physics</i> , 2015, 459, 172-185.	1.9	23
29	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
30	Adsorption and calorimetric studies of hydrothermally modified carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1395-1405.	3.6	9
31	Synthesis and characterization of resorcinol-formaldehyde resin chars doped by zinc oxide. <i>Applied Surface Science</i> , 2014, 303, 263-271.	6.1	11
32	TG and DSC studies of bone tissue: Effects of osteoporosis. <i>Thermochimica Acta</i> , 2013, 573, 73-81.	2.7	10
33	Complex investigations of structural and thermal properties of silica-titania adsorbents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 1085-1092.	3.6	12
34	Carbon-mineral adsorbents prepared by pyrolysis of waste materials in the presence of tetrachloromethane. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 39-47.	9.4	23
35	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
36	STRUCTURE AND ENERGETIC PROPERTIES OF CARBON-MINERAL ADSORBENTS SURFACE PREPARED BY PYROLYSIS OF METHYLENE CHLORIDE. , 2000, , .		0