

Christoph Unterweger

List of Publications by Year in descending order

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papers

745
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623188

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#	ARTICLE	IF	CITATIONS
1	Viscose-derived activated carbons as adsorbents for malathion, dimethoate, and chlorpyrifosâ€”screening, trends, and analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35138-35149.	2.7	9
2	Comparative Behavior of Viscose-Based Supercapacitor Electrodes Activated by KOH, H ₂ O, and CO ₂ . <i>Nanomaterials</i> , 2022, 12, 677.	1.9	5
3	Viscose-Derived Activated Carbons Fibers as Highly Efficient Adsorbents for Dimethoate Removal from Water. <i>Molecules</i> , 2022, 27, 1477.	1.7	8
4	Macroporous nitrogen-containing carbon for electrochemical capacitors. <i>Electrochimica Acta</i> , 2022, 418, 140370.	2.6	2
5	Viscoseâ€”based porous carbon fibers: improving yield and porosity through optimization of the carbonization process by design of experiment. <i>Journal of Porous Materials</i> , 2021, 28, 727-739.	1.3	17
6	Sponge-like polypyrroleâ€”nanofibrillated cellulose aerogels: synthesis and application. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12615-12623.	2.7	14
7	Enhancement of conductivity, mechanical and biological properties of polyaniline-poly(N-vinylpyrrolidone) cryogels by phytic acid. <i>Polymer</i> , 2021, 217, 123450.	1.8	9
8	Pore Development during the Carbonization Process of Lignin Microparticles Investigated by Small Angle X-ray Scattering. <i>Molecules</i> , 2021, 26, 2087.	1.7	8
9	Development of a method for vapour phase trimethylsilylation of surface hydroxyl groups. <i>Surfaces and Interfaces</i> , 2021, 23, 100957.	1.5	2
10	Biomass-Derived Carbons as Versatile Materials for Energy-Related Applications: Capacitive Properties vs. Oxygen Reduction Reaction Catalysis. <i>Journal of Carbon Research</i> , 2021, 7, 55.	1.4	6
11	Influence of the carbonization temperature on the properties of carbon fibers based on technical softwood kraft lignin blends. <i>Carbon Trends</i> , 2021, 5, 100094.	1.4	7
12	Polyaniline-metal organic framework (Fe-BTC) composite for electrochemical applications. <i>Polymer</i> , 2020, 208, 122945.	1.8	22
13	Highly conducting 1-D polypyrrole prepared in the presence of safranin. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12140-12147.	2.7	22
14	Supercapacitor Electrodes from Viscose-Based Activated Carbon Fibers: Significant Yield and Performance Improvement Using Diammonium Hydrogen Phosphate as Impregnating Agent. <i>Journal of Carbon Research</i> , 2020, 6, 17.	1.4	14
15	Structure and electrical resistivity of individual carbonised natural and man-made cellulose fibres. <i>Journal of Materials Science</i> , 2020, 55, 10271-10280.	1.7	10
16	Effect of initial freezing temperature and comonomer concentration on the properties of poly(aniline-co-m-phenylenediamine) cryogels supported by poly(vinyl alcohol). <i>Colloid and Polymer Science</i> , 2020, 298, 293-301.	1.0	6
17	Impact of fiber length and fiber content on the mechanical properties and electrical conductivity of short carbon fiber reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2020, 188, 107998.	3.8	40
18	Increasing the Impact Toughness of Cellulose Fiber Reinforced Polypropylene Compositesâ€”Influence of Different Impact Modifiers and Production Scales. <i>Journal of Composites Science</i> , 2019, 3, 82.	1.4	15

#	ARTICLE	IF	CITATIONS
19	Tailoring of carbonized polypyrrole nanotubes core by different polypyrrole shells for oxygen reduction reaction selectivity modification. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 184-194.	5.0	27
20	Lignin-based multiwall carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 175-179.	3.8	32
21	Improvements in the carbonisation of viscose fibres. <i>Reinforced Plastics</i> , 2019, 63, 146-150.	0.5	10
22	Determination of the surface chemistry of ozone-treated carbon fibers by highly consistent evaluation of X-ray photoelectron spectra. <i>Carbon</i> , 2019, 146, 97-105.	5.4	17
23	Comparison of four technical lignins as a resource for electrically conductive carbon particles. <i>BioResources</i> , 2019, 14, 1091-1109.	0.5	31
24	Novel protocol for highly efficient gas-phase chemical derivatization of surface amine groups using trifluoroacetic anhydride. <i>Applied Surface Science</i> , 2018, 443, 244-254.	3.1	10
25	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018, 213, 352-361.	2.0	35
26	Electrically Conducting Carbon Microparticles by Direct Carbonization of Spent Wood Pulping Liquor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3385-3391.	3.2	18
27	Electrically-Conductive Sub-Micron Carbon Particles from Lignin: Elucidation of Nanostructure and Use as Filler in Cellulose Nanopapers. <i>Nanomaterials</i> , 2018, 8, 1055.	1.9	7
28	Carbon Microparticles from Organosolv Lignin as Filler for Conducting Poly(Lactic Acid). <i>Polymers</i> , 2016, 8, 205.	2.0	14
29	Investigation on the thermo-oxidative stability of carbon fiber sizings for application in thermoplastic composites. <i>Polymer Degradation and Stability</i> , 2016, 125, 33-42.	2.7	30
30	Characterization of carbon fiber surfaces and their impact on the mechanical properties of short carbon fiber reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2015, 108, 41-47.	3.8	111
31	Thermo-mechanical properties of \hat{I}^2 -nucleated polypropylene multilayers. <i>Polymer Testing</i> , 2014, 39, 79-85.	2.3	5
32	Effects of different fibers on the properties of short-fiber-reinforced polypropylene composites. <i>Composites Science and Technology</i> , 2014, 103, 49-55.	3.8	67
33	Synthetic fibers and thermoplastic short-fiber-reinforced polymers: Properties and characterization. <i>Polymer Composites</i> , 2014, 35, 227-236.	2.3	111
34	Screening of spinning oils for melt-spun lignin-based carbon fiber precursors. <i>Journal of Applied Polymer Science</i> , 0, , 52134.	1.3	4