

Jan Yperman

List of Publications by Year in descending order

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papers

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citations

759233

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times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency evaluation of thermally and chemically regenerated activated carbons used in a water cleaning system by acoustic emission analysis. <i>Journal of Porous Materials</i> , 2021, 28, 451-469.	2.6	3
2	Fe-TiO ₂ /AC and Co-TiO ₂ /AC Composites: Novel Photocatalysts Prepared from Waste Streams for the Efficient Removal and Photocatalytic Degradation of Cibacron Yellow F-4G Dye. <i>Catalysts</i> , 2021, 11, 1137.	3.5	5
3	Biochar from raw and spent common ivy: Impact of preprocessing and pyrolysis temperature on biochar properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105294.	5.5	15
4	Infrared thermography: A new approach for the characterization and management of activated carbons applied in water treatment. <i>Chemical Engineering Science</i> , 2021, 246, 116881.	3.8	1
5	X-ray Absorption (XRA): A New Technique for the Characterization of Granular Activated Carbons. <i>Materials</i> , 2021, 14, 91.	2.9	2
6	Mathematical Tool Based on Breakthrough Curves to Evaluate the Economic Advantages of Chemical Regeneration of Activated Carbon in Power Plants: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11786.	2.5	4
7	Acoustic energy isotherms: An emergent approach for textural characterization of activated carbons. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110045.	4.4	1
8	A convolutional neural networks approach using X-Ray absorption images for studying granular activated carbon. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	3
9	Improvement of a new acoustic emission analysis technique to determine the activated carbon saturation level: A comparative study. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103794.	6.7	4
10	X-ray absorption as an alternative method to determine the exhausting degree of activated carbon layers in water treatment system for medical services. <i>Talanta</i> , 2019, 205, 120058.	5.5	7
11	Boltzmann-Based Empirical Model to Calculate Volume Loss during Spirit Ageing. <i>Beverages</i> , 2019, 5, 60.	2.8	3
12	Adsorption and photocatalytic removal of Ibuprofen by activated carbon impregnated with TiO ₂ by UV-Vis monitoring. <i>Chemosphere</i> , 2019, 217, 724-731.	8.2	81
13	Adsorption of Ni(II) on spent coffee and coffee husk based activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1161-1170.	6.7	78
14	Monitoring the Chloride Concentration in International Scheldt River Basin District Water Using a Low-Cost Multifunction Data Acquisition Board. <i>Water (Switzerland)</i> , 2018, 10, 1025.	2.7	3
15	Combining Monte Carlo simulations and experimental design for incorporating risk and uncertainty in investment decisions for cleantech: a fast pyrolysis case study. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1195-1206.	4.1	10
16	A novel X-ray radiography approach for the characterization of granular activated carbons used in the rum production. <i>Journal of Analytical Science and Technology</i> , 2018, 9, .	2.1	13
17	Characterization of the exhaustion profile of activated carbon in industrial rum – filters – based on TGA, TD-GC/MS, colorimetry and NMR relaxometry. <i>Materials Today Communications</i> , 2017, 11, 1-10.	1.9	4
18	Comparative Study between Acoustic Emission Analysis and Immersion Bubble-Metric Technique, TGA and TD-GC/MS in View of the Characterization of Granular Activated Carbons Used in Rum Production. <i>Beverages</i> , 2017, 3, 12.	2.8	7

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19	A Colorimetric Method for the Determination of the Exhaustion Level of Granular Activated Carbons Used in Rum Production. <i>Beverages</i> , 2016, 2, 24.	2.8	6
20	Rapeseed and Raspberry Seed Cakes as Inexpensive Raw Materials in the Production of Activated Carbon by Physical Activation: Effect of Activation Conditions on Textural and Phenol Adsorption Characteristics. <i>Materials</i> , 2016, 9, 565.	2.9	16
21	Effect of ultrafine talc on crystallization and end-use properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	14
22	A novel acoustic approach for the characterization of granular activated carbons used in the rum production. <i>Ultrasonics</i> , 2016, 70, 53-63.	3.9	8
23	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/Organomodified Montmorillonite Nanocomposites for Potential Food Packaging Applications. <i>Journal of Polymers and the Environment</i> , 2016, 24, 104-118.	5.0	40
24	Kinetic and adsorption study of Pb (II) toward different treated activated carbons derived from olive cake wastes. <i>Desalination and Water Treatment</i> , 2016, 57, 8561-8574.	1.0	12
25	Adsorption of atrazine on hemp stem-based activated carbons with different surface chemistry. <i>Adsorption</i> , 2015, 21, 489-498.	3.0	42
26	Tailoring of porous texture of hemp stem-based activated carbon produced by phosphoric acid activation in steam atmosphere. <i>Journal of Porous Materials</i> , 2015, 22, 283-289.	2.6	32
27	A hybridization approach to efficient TiO ₂ photodegradation of aqueous benzalkonium chloride. <i>Journal of Hazardous Materials</i> , 2015, 293, 122-130.	12.4	17
28	Activated carbon from pyrolysis of brewer's spent grain: Production and adsorption properties. <i>Waste Management and Research</i> , 2014, 32, 634-645.	3.9	52
29	Evaluation of the Thickness and Oxygen Transmission Rate before and after Thermoforming Mono- and Multi-layer Sheets into Trays with Variable Depth. <i>Polymers</i> , 2014, 6, 3019-3043.	4.5	35
30	Gas Permeability Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Polymers and the Environment</i> , 2014, 22, 501-507.	5.0	32
31	A statistical data-processing methodology of Py-GC/MS data for the simulation of flash co-pyrolysis reactor experiments. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 110, 123-128.	3.5	4
32	Studies of the soluble part of oxidised coals. <i>Open Chemistry</i> , 2004, 2, 278-289.	1.9	2
33	Composition of extraction products from alkylated high-sulphur coals. <i>Open Chemistry</i> , 2003, 1, 366-386.	1.9	1
34	Automation of Potentiometric Measurements: Determination of Water-Extractable Sodium in Bread Using a Sodium Ion Selective Electrode with Minimum Sample Preparation. <i>Journal of AOAC INTERNATIONAL</i> , 1993, 76, 1138-1142.	1.5	5