

Vanessa Fierro

List of Publications by Year in descending order

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348
papers

12,680
citations

20797

60
h-index

42364

92
g-index

356
all docs

356
docs citations

356
times ranked

11383
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovative fouling-resistant materials for industrial heat exchangers: a review. <i>Reviews in Chemical Engineering</i> , 2023, 39, 71-104.	2.3	4
2	Irreversible deformation of hyper-crosslinked polymers after hydrogen adsorption. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 513-527.	5.0	11
3	Tannin-based hard carbons as high-performance anode materials for sodium-ion batteries. <i>Materials Today Chemistry</i> , 2022, 23, 100614.	1.7	9
4	Best practices for ORR performance evaluation of metal-free porous carbon electrocatalysts. <i>Carbon</i> , 2022, 189, 349-361.	5.4	61
5	Modeling High-Pressure Hydrogen Uptake by Nanoporous Metal-Organic Frameworks: Implications for Hydrogen Storage and Delivery. <i>ACS Applied Nano Materials</i> , 2022, 5, 759-773.	2.4	11
6	High hydrogen release by cryo-adsorption and compression on porous materials. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8892-8915.	3.8	18
7	Upgrading of flax powder and short fibers into high value-added products. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107195.	3.3	0
8	Progress in the Use of Biosourced Phenolic Molecules for Electrode Manufacturing. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	6
9	Experimental Design Optimization of Acrylate-Tannin Photocurable Resins for 3D Printing of Bio-Based Porous Carbon Architectures. <i>Molecules</i> , 2022, 27, 2091.	1.7	8
10	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2022, 5, 3843-3854.	2.4	12
11	Resonant absorption of electromagnetic waves by an induced inhomogeneity in a liquid metamaterial. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 1307.	0.9	1
12	Biomass-derived carbons physically activated in one or two steps for CH ₄ /CO ₂ separation. <i>Renewable Energy</i> , 2022, 191, 122-133.	4.3	6
13	Zinc Doping Enhances the Electrocatalytic Properties of Cobalt Borides for the Hydrogen Evolution Reaction. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	5
14	Easy enrichment of graphitic nitrogen to prepare highly catalytic carbons for oxygen reduction reaction. <i>Carbon</i> , 2022, , .	5.4	7
15	Tannin-Based Resins for 3D printing of Porous Carbon Architectures. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7702-7711.	3.2	11
16	Better understanding of solar water evaporation systems using a biosourced foam and its modelling. <i>Applied Thermal Engineering</i> , 2022, 214, 118802.	3.0	3
17	Resonant absorption in an inhomogeneous disordered metamaterial: First-principles simulation. <i>Physical Review A</i> , 2022, 106, .	1.0	1
18	CO ₂ outperforms KOH as an activator for high-rate supercapacitors in aqueous electrolyte. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112716.	8.2	12

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19	Numerical simulation of a thermally driven hydrogen compressor as a performance optimization tool. Applied Energy, 2022, 323, 119628.	5.1	10
20	Hydrophobised carbon foams for improved long-term seasonal solar thermal energy storage. Solar Energy Materials and Solar Cells, 2021, 220, 110849.	3.0	16
21	A Sustainable Carbon Material from Kraft Black Liquor as Nickel-Based Electrocatalyst Support for Ethanol Electro-Oxidation. Waste and Biomass Valorization, 2021, 12, 2507-2519.	1.8	8
22	A review of natural materials for solar evaporation. Solar Energy Materials and Solar Cells, 2021, 219, 110814.	3.0	77
23	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. Carbon, 2021, 171, 484-492.	5.4	17
24	A theoretical scenario for the mechanical failure of boron carbide nanotubes. Computational Materials Science, 2021, 186, 110022.	1.4	16
25	Carbon gels derived from phenolic-oil for pollutants removal in water phase. Fuel Processing Technology, 2021, 211, 106588.	3.7	4
26	Influence of activation conditions on textural properties and performance of activated biochars for pyrolysis vapors upgrading. Fuel, 2021, 289, 119759.	3.4	22
27	Carbon Microspheres with Tailored Texture and Surface Chemistry As Electrode Materials for Supercapacitors. ACS Sustainable Chemistry and Engineering, 2021, 9, 541-551.	3.2	5
28	Control of Light Transmission in a Plasmonic Liquid Metacrystal. Nanomaterials, 2021, 11, 346.	1.9	4
29	Electrocatalytic hydrogen evolution on the noble metal-free MoS ₂ /carbon nanotube heterostructure: a theoretical study. Scientific Reports, 2021, 11, 3958.	1.6	23
30	Effect of the porosity and microstructure on the mechanical properties of organic xerogels. Journal of Materials Science, 2021, 56, 10312-10325.	1.7	8
31	Boron Nitride Nanotube as an Antimicrobial Peptide Carrier: A Theoretical Insight. International Journal of Nanomedicine, 2021, Volume 16, 1837-1847.	3.3	20
32	Dielectric properties of polydimethylsiloxane composites filled with SrTiO_3 nanoparticles. Polymer Composites, 2021, 42, 2982-2988.	2.3	12
33	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. ACS Applied Materials & Interfaces, 2021, 13, 12562-12574.	4.0	39
34	Mechanochemical Functionalization of Mesoporous Carbons for the Catalytic Transformation of trans-ferulic Acid into Vanillin. ACS Sustainable Chemistry and Engineering, 2021, 9, 4704-4710.	3.2	5
35	Noise and Electrical Characteristics of Composites Filled with Onion-Like Carbon Nanoparticles. Polymers, 2021, 13, 997.	2.0	2
36	Estimation of the reaction kinetic parameters of a mimosa tannin-based thermoset resin with a simulation approach. Industrial Crops and Products, 2021, 161, 113228.	2.5	1

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37	Mechanical and Thermal Behavior of Fibrous Carbon Materials. <i>Materials</i> , 2021, 14, 1796.	1.3	4
38	An Evaluation of the Impact of the Amount of Potassium Hydroxide on the Porous Structure Development of Activated Carbons. <i>Materials</i> , 2021, 14, 2045.	1.3	9
39	Molecular sieving of linear and branched C6 alkanes by tannin-derived carbons. <i>Carbon</i> , 2021, 174, 413-422.	5.4	13
40	Hydration mechanisms of scheelite from adsorption isotherms and ab initio molecular dynamics simulations. <i>Applied Surface Science</i> , 2021, 562, 150137.	3.1	19
41	Gas sensing based on organic composite materials: Review of sensor types, progresses and challenges. <i>Materials Science in Semiconductor Processing</i> , 2021, 128, 105744.	1.9	38
42	Densities of hemp shiv for building: From multiscale characterisation to application. <i>Industrial Crops and Products</i> , 2021, 164, 113390.	2.5	14
43	Enhanced tribological properties of wind turbine engine oil formulated with flower-shaped MoS ₂ nano-additives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 620, 126509.	2.3	16
44	A critical review on surface modifications mitigating dairy fouling. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 4324-4366.	5.9	9
45	Carbon Monoliths with Hierarchical Porous Structure for All-Vanadium Redox Flow Batteries. <i>Batteries</i> , 2021, 7, 55.	2.1	7
46	Novel Porous Carbon Material for the Detection of Traces of Volatile Organic Compounds in Indoor Air. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40088-40097.	4.0	10
47	3D printing of carbon-based materials: A review. <i>Carbon</i> , 2021, 183, 449-485.	5.4	53
48	Review on the preparation of carbon membranes derived from phenolic resins for gas separation: From petrochemical precursors to bioresources. <i>Carbon</i> , 2021, 183, 12-33.	5.4	38
49	Model carbon materials derived from tannin to assess the importance of pore connectivity in supercapacitors. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111600.	8.2	14
50	Upgrading of pine tannin biochars as electrochemical capacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 863-876.	5.0	21
51	Modelling heat and mass transfer in solar evaporation systems. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121852.	2.5	13
52	Comprehensive Analysis of Hierarchical Porous Carbons Using a Dual-Shape 2D-NLDFT Model with an Adjustable Slit-Cylinder Pore Shape Boundary. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49472-49481.	4.0	7
53	All-dielectric bulk isotropic double-negative metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 159.	0.9	1
54	Characterization of Individual Hollow Spheres Metaatoms in Microwaves. , 2021, , .		0

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55	Effect of the adsorption pH and temperature on the parameters of the Brouers's Sotolongo models. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23437-23446.	2.7	11
56	Nanostructured tin oxide materials for the sub-ppm detection of indoor formaldehyde pollution. <i>Talanta</i> , 2020, 208, 120396.	2.9	9
57	Structure and electrochemical properties of carbon nanostructures derived from nickel(II) and iron(II) phthalocyanines. <i>Journal of Advanced Research</i> , 2020, 22, 85-97.	4.4	14
58	Feasibility of Hydrogen Compression in an Electrochemical System: Focus on Water Transport Mechanisms. <i>Fuel Cells</i> , 2020, 20, 370-380.	1.5	23
59	Application of the modified Dubinin-Astakhov equation for a better understanding of high-pressure hydrogen adsorption on activated carbons. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25912-25926.	3.8	26
60	Exploiting the adsorption of simple gases O ₂ and H ₂ with minimal quadrupole moments for the dual gas characterization of nanoporous carbons using 2D-NLDFT models. <i>Carbon</i> , 2020, 160, 164-175.	5.4	44
61	Improved tribological properties, thermal and colloidal stability of poly- α -olefins based lubricants with hydrophobic MoS ₂ submicron additives. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 91-101.	5.0	29
62	First approach for modelling the physical foaming of tannin-based thermoset foams. <i>International Journal of Thermal Sciences</i> , 2020, 149, 106212.	2.6	9
63	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30767-30782.	3.8	25
64	Understanding the Influence of Surface Oxygen Groups on the Electrochemical Behavior of Porous Carbons as Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36054-36065.	4.0	17
65	Paracetamol removal by Kon-Tiki kiln-derived biochar and activated carbons. <i>Industrial Crops and Products</i> , 2020, 155, 112740.	2.5	17
66	New Insights into H ₂ S Adsorption on Graphene and Graphene-Like Structures: A Comparative DFT Study. <i>Journal of Carbon Research</i> , 2020, 6, 74.	1.4	11
67	Hierarchical tannin-derived carbons as efficient tetracycline adsorbents. <i>Applied Surface Science</i> , 2020, 533, 147428.	3.1	12
68	Energy Storage in Supercapacitors: Focus on Tannin-Derived Carbon Electrodes. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	72
69	Characterization of Carbon Materials for Hydrogen Storage and Compression. <i>Journal of Carbon Research</i> , 2020, 6, 46.	1.4	30
70	Electrical percolation and electromagnetic properties of polydimethylsiloxane composites filled with Ag nanoparticles of different sizes. <i>Polymer Composites</i> , 2020, 41, 4750-4756.	2.3	7
71	Enhancing the gas adsorption capacities of UiO-66 by nanographite addition. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110571.	2.2	11
72	Magneto-hydrodynamic self-propulsion of active matter agents. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	4

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73	Mechanical Properties of C3N Nanotubes from Molecular Dynamics Simulation Studies. <i>Nanomaterials</i> , 2020, 10, 894.	1.9	15
74	Lignin-graphene oxide inks for 3D printing of graphitic materials with tunable density. <i>Nano Today</i> , 2020, 33, 100881.	6.2	25
75	“Green”, innovative, versatile and efficient carbon materials from polyphenolic plant extracts. <i>Carbon</i> , 2020, 167, 792-815.	5.4	24
76	Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. <i>Applied Materials Today</i> , 2020, 20, 100622.	2.3	10
77	Synthesis and properties of carbon microspheres based on tannin-sucrose mixtures treated in hydrothermal conditions. <i>Industrial Crops and Products</i> , 2020, 154, 112564.	2.5	16
78	Forcespun metal oxide ultrafine tubes for hazardous gas monitoring. <i>Materials Today: Proceedings</i> , 2020, 27, 3124-3131.	0.9	1
79	Towards Non-Mechanical Hybrid Hydrogen Compression for Decentralized Hydrogen Facilities. <i>Energies</i> , 2020, 13, 3145.	1.6	51
80	A 70 MPa hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. <i>Carbon</i> , 2020, 161, 466-478.	5.4	24
81	Activated carbon xerogels derived from phenolic oil: Basic catalysis synthesis and electrochemical performances. <i>Fuel Processing Technology</i> , 2020, 205, 106427.	3.7	7
82	Modelling the production of solid and liquid products from the hydrothermal carbonisation of two biomasses. <i>Industrial Crops and Products</i> , 2020, 151, 112452.	2.5	10
83	Imprinting isolated single iron atoms onto mesoporous silica by templating with metallosurfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 193-203.	5.0	17
84	Identification of nanomaterials by the volume specific surface area (VSSA) criterion: application to powder mixes. <i>Nanoscale Advances</i> , 2020, 2, 4908-4917.	2.2	9
85	Synergetic effect of triglycine sulfate and graphite nanoplatelets on dielectric and piezoelectric properties of epoxy resin composites. <i>Polymer Composites</i> , 2019, 40, E1181.	2.3	4
86	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. <i>Materials</i> , 2019, 12, 2088.	1.3	11
87	Electromagnetics of carbon: Nano versus micro. , 2019, , 191-204.		1
88	Toward an operational methodology to identify industrial-scaled nanomaterial powders with the volume specific surface area criterion. <i>Nanoscale Advances</i> , 2019, 1, 3232-3242.	2.2	12
89	Permeability of fibrous carbon materials. <i>Journal of Materials Science</i> , 2019, 54, 13537-13556.	1.7	10
90	Ordered mesoporous carbons obtained from low-value coal tar products for electrochemical energy storage and water remediation. <i>Fuel Processing Technology</i> , 2019, 196, 106152.	3.7	27

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91	Modelling the hygrothermal behaviour of cement-bonded wood composite panels as permanent formwork. <i>Industrial Crops and Products</i> , 2019, 142, 111784.	2.5	17
92	High-Rate Capability of Supercapacitors Based on Tannin-Derived Ordered Mesoporous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17627-17635.	3.2	46
93	Novel Porous Carbons Derived from Coal Tar Rejects: Assessment of the Role of Pore Texture in CO ₂ Capture under Realistic Postcombustion Operating Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36789-36799.	4.0	19
94	Hydrothermal pre-treatment, an efficient tool to improve activated carbon performances. <i>Industrial Crops and Products</i> , 2019, 140, 111717.	2.5	33
95	Lignin-Based Carbon Nanofibers as Electrodes for Vanadium Redox Couple Electrochemistry. <i>Nanomaterials</i> , 2019, 9, 106.	1.9	25
96	Nanomaterial identification of powders: comparing volume specific surface area, X-ray diffraction and scanning electron microscopy methods. <i>Environmental Science: Nano</i> , 2019, 6, 152-162.	2.2	12
97	Confrontation of various adsorption models for assessing the porous structure of activated carbons. <i>Adsorption</i> , 2019, 25, 1673-1682.	1.4	29
98	Experimental investigation of the physical foaming of tannin-based thermoset foams. <i>Industrial Crops and Products</i> , 2019, 138, 111424.	2.5	10
99	Modelling of a hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16811-16823.	3.8	15
100	A new method for measuring the thermal conductivity of small insulating samples. <i>Review of Scientific Instruments</i> , 2019, 90, 054901.	0.6	6
101	Organic and Carbon Gels. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , .	0.3	15
102	Properties of Carbon Aerogels and Their Organic Precursors. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , 87-121.	0.3	3
103	Fitting Carbon Gels and Composites for Environmental Processes. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , 123-147.	0.3	0
104	Organic and Carbon Gels: From Laboratory to Industry?. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , 1-26.	0.3	1
105	Organic and Carbon Gels Derived from Biosourced Polyphenols. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , 27-85.	0.3	2
106	Carbon Gels for Electrochemical Applications. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019, , 149-189.	0.3	1
107	Magnetic Carbon Composite Particles for Dye Adsorption from Water and their Electrochemical Regeneration. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800537.	1.2	9
108	Effect of morphology and hydrophobization of MoS ₂ microparticles on the stability of poly- α -olefins lubricants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 174-181.	2.3	13

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109	Carbon aerogels prepared by autocondensation of flavonoid tannin. Carbon Resources Conversion, 2019, 2, 72-84.	3.2	9
110	Floating hollow carbon spheres for improved solar evaporation. Carbon, 2019, 146, 232-247.	5.4	22
111	Structural Characterisation and Chemical Stability of Commercial Fibrous Carbons in Molten Lithium Salts. Materials, 2019, 12, 4232.	1.3	4
112	Electromagnetic Properties of Carbon Gels. Materials, 2019, 12, 4143.	1.3	6
113	Review of the current technologies and performances of hydrogen compression for stationary and automotive applications. Renewable and Sustainable Energy Reviews, 2019, 102, 150-170.	8.2	227
114	Enhanced resolution of ultra micropore size determination of biochars and activated carbons by dual gas analysis using N ₂ and CO ₂ with 2D-NLDFT adsorption models. Carbon, 2019, 144, 206-215.	5.4	86
115	Size-Dependent Electrical and Thermal Properties of Onion-Like Carbons/Polyurethane Composites. Polymer Composites, 2018, 39, E1834.	2.3	6
116	Impact of the formulation of biosourced phenolic foams on their fire properties. Polymer Degradation and Stability, 2018, 153, 1-14.	2.7	18
117	Tetracycline removal with activated carbons produced by hydrothermal carbonisation of Agave americana fibres and mimosa tannin. Industrial Crops and Products, 2018, 115, 146-157.	2.5	78
118	Mechanically blown wall-projected tannin-based foams. Industrial Crops and Products, 2018, 113, 316-323.	2.5	23
119	Adsorption of Model Dyes Onto Porous Materials: Effect of pH and Temperature on the Parameters of Brouers-Sotolongo Kinetic Fractal and Generalized Isotherm. Advances in Science, Technology and Innovation, 2018, , 1039-1041.	0.2	3
120	Physical meaning of the parameters used in fractal kinetic and generalised adsorption models of Brouers-Sotolongo. Adsorption, 2018, 24, 11-27.	1.4	30
121	Adsorption of Bisphenol A on KOH-activated tyre pyrolysis char. Journal of Environmental Chemical Engineering, 2018, 6, 823-833.	3.3	63
122	The severity factor as a useful tool for producing hydrochars and derived carbon materials. Environmental Science and Pollution Research, 2018, 25, 1497-1507.	2.7	13
123	Optimisation of "green" tannin-furanic foams for thermal insulation by experimental design. Materials and Design, 2018, 139, 7-15.	3.3	23
124	Detection and quantification of lung cancer biomarkers by a micro-analytical device using a single metal oxide-based gas sensor. Sensors and Actuators B: Chemical, 2018, 255, 391-400.	4.0	63
125	Synthesis of perfectly ordered mesoporous carbons by water-assisted mechanochemical self-assembly of tannin. Green Chemistry, 2018, 20, 5123-5132.	4.6	62
126	Modelling the reactions of cellulose, hemicellulose and lignin submitted to hydrothermal treatment. Industrial Crops and Products, 2018, 124, 919-930.	2.5	66

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127	Ordered mesoporous carbons obtained by soft-templating of tannin in mild conditions. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 127-139.	2.2	54
128	Auto-Crosslinked Rigid Foams Derived from Biorefinery Byproducts. <i>ChemSusChem</i> , 2018, 11, 2797-2809.	3.6	39
129	Structure and Electromagnetic Properties of Cellular Glassy Carbon Monoliths with Controlled Cell Size. <i>Materials</i> , 2018, 11, 709.	1.3	14
130	Ultra-low percolation threshold in epoxy resin-onion-like carbon composites. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	13
131	Lipid-coated mesoporous silica microparticles for the controlled delivery of β -galactosidase into intestines. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5633-5639.	2.9	17
132	Destructive vs. non-destructive methods for the mechanical characterisation of tannin-based thermoset foams. <i>Polymer Testing</i> , 2018, 69, 332-339.	2.3	2
133	Projectable tannin foams by mechanical and chemical expansion. <i>Industrial Crops and Products</i> , 2018, 120, 90-96.	2.5	17
134	Development of a Carbon Felt/Salt-Based Hybrid Material for Thermal Energy Storage Applications. <i>Journal of Energy and Power Engineering</i> , 2018, 12, .	0.2	1
135	Short-length carbon nanotubes as building blocks for high dielectric constant materials in the terahertz range. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 08LT01.	1.3	14
136	Excellent electrochemical performances of nanocast ordered mesoporous carbons based on tannin-related polyphenols as supercapacitor electrodes. <i>Journal of Power Sources</i> , 2017, 344, 15-24.	4.0	57
137	Mechanical properties of model vitreous carbon foams. <i>Carbon</i> , 2017, 116, 562-571.	5.4	43
138	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11534-11540.	3.8	30
139	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. <i>Materials Chemistry and Physics</i> , 2017, 192, 374-382.	2.0	33
140	Electrical Properties of Carbon Foam in the Microwave Range. <i>Russian Physics Journal</i> , 2017, 59, 1703-1709.	0.2	9
141	Acoustic properties of model cellular vitreous carbon foams. <i>Carbon</i> , 2017, 119, 241-250.	5.4	27
142	Outstanding electrochemical performance of highly N- and O-doped carbons derived from pine tannin. <i>Green Chemistry</i> , 2017, 19, 2653-2665.	4.6	63
143	Fully carbon metasurface: Absorbing coating in microwaves. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	26
144	Fire-resistant tannin-ethylene glycol gels working as rubber springs with tuneable elastic properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14720-14732.	5.2	14

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145	Resistivity and low-frequency noise characteristics of epoxy-carbon composites. Journal of Applied Physics, 2017, 121, .	1.1	3
146	Stability analysis of tannin-based foams using multiple light-scattering measurements. European Polymer Journal, 2017, 87, 318-330.	2.6	20
147	MICROWAVE-ABSORBING PROPERTIES OF PHOSPHATE CERAMICS FILLED WITH CARBON NANOTUBES, BaTiO ₃ AND Fe ₃ O ₄ . , 2017, , 202-205.		1
148	Rubber-like materials derived from biosourced phenolic resins. Journal of Physics: Conference Series, 2017, 879, 012013.	0.3	2
149	Combined Effect of Porosity and Surface Chemistry on the Electrochemical Reduction of Oxygen on Cellular Vitreous Carbon Foam Catalyst. ACS Catalysis, 2017, 7, 7466-7478.	5.5	42
150	Easy Preparation of Tannin-Based Ag Catalysts for Ethylene Epoxidation. ChemistrySelect, 2017, 2, 8509-8516.	0.7	3
151	Electromagnetic properties of model vitreous carbon foams. Carbon, 2017, 122, 217-227.	5.4	77
152	Preparation and structural characterisation of model cellular vitreous carbon foams. Carbon, 2017, 112, 208-218.	5.4	32
153	High added-value products from the hydrothermal carbonisation of olive stones. Environmental Science and Pollution Research, 2017, 24, 9859-9869.	2.7	26
154	Numerical studies of the effects of process conditions on the development of the porous structure of adsorbents prepared by chemical activation of lignin with alkali hydroxides. Journal of Colloid and Interface Science, 2017, 486, 277-286.	5.0	37
155	Modelling the physical properties of glasslike carbon foams. Journal of Physics: Conference Series, 2017, 879, 012014.	0.3	8
156	Electromagnetic properties of carbon foams. , 2017, , .		1
157	Hydrothermal Treatment of Tannin: A Route to Porous Metal Oxides and Metal/Carbon Hybrid Materials. Inorganics, 2017, 5, 7.	1.2	18
158	Improving Water Repellence and Friability of Tannin-Furanic Foams by Oil-Grafted Flavonoid Tannins. BioResources, 2016, 11, .	0.5	14
159	PLA with Intumescent System Containing Lignin and Ammonium Polyphosphate for Flame Retardant Textile. Polymers, 2016, 8, 331.	2.0	112
160	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. ACS Catalysis, 2016, 6, 5618-5628.	5.5	67
161	The cluster architecture of carbon in polymer nanocomposites observed by impulse acoustic microscopy. Physica Status Solidi (B): Basic Research, 2016, 253, 1952-1959.	0.7	24
162	Biosourced, highly porous, carbon xerogel microspheres. RSC Advances, 2016, 6, 65698-65708.	1.7	22

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163	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. Applied Physics Letters, 2016, 108, .	1.5	43
164	Structure and properties of poly(furfuryl alcohol)-tannin polyHIPEs. European Polymer Journal, 2016, 78, 195-212.	2.6	35
165	Salting Effect in the Hydrothermal Carbonisation of Bioresources. ChemistrySelect, 2016, 1, 4161-4166.	0.7	3
166	Hydrophobisation of tannin-based foams by covalent grafting of silanes. Industrial Crops and Products, 2016, 92, 116-126.	2.5	14
167	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. Microporous and Mesoporous Materials, 2016, 235, 1-8.	2.2	26
168	Design of carbon foams for seasonal solar thermal energy storage. Carbon, 2016, 109, 771-787.	5.4	29
169	Physisorption, chemisorption and spill-over contributions to hydrogen storage. International Journal of Hydrogen Energy, 2016, 41, 17442-17452.	3.8	41
170	Sugarcane molasses as a pseudocapacitive material for supercapacitors. RSC Advances, 2016, 6, 88826-88836.	1.7	18
171	Hollow carbon spheres, synthesis and applications – a review. Journal of Materials Chemistry A, 2016, 4, 12686-12713.	5.2	266
172	Hollow Superparamagnetic Microballoons from Lifelike, Self-Directed Pickering Emulsions Based on Patchy Nanoparticles. ACS Nano, 2016, 10, 10347-10356.	7.3	6
173	Bulk microstructure and local elastic properties of carbon nanocomposites studied by impulse acoustic microscopy technique. AIP Conference Proceedings, 2016, , .	0.3	4
174	Sucrose-based carbon foams with enhanced thermal conductivity. Industrial Crops and Products, 2016, 89, 498-506.	2.5	37
175	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. International Journal of Hydrogen Energy, 2016, 41, 12146-12156.	3.8	53
176	Carbon, a Unique Model Material for Condensed Matter Physics and Engineering Science. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 1-26.	0.2	0
177	Advances in tailoring the porosity of tannin-based carbon xerogels. Industrial Crops and Products, 2016, 82, 100-106.	2.5	26
178	Functionalized, hierarchical and ordered mesoporous carbons for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 6140-6148.	5.2	32
179	Tetracycline adsorption onto activated carbons produced by KOH activation of tyre pyrolysis char. Chemosphere, 2016, 149, 168-176.	4.2	234
180	Easy and eco-friendly synthesis of ordered mesoporous carbons by self-assembly of tannin with a block copolymer. Green Chemistry, 2016, 18, 3265-3271.	4.6	58

#	ARTICLE	IF	CITATIONS
181	High surface area microporous carbons as photoreactors for the catalytic photodegradation of methylene blue under UV-vis irradiation. <i>Applied Catalysis A: General</i> , 2016, 517, 1-11.	2.2	30
182	Shielding effects in thin films of carbon nanotubes within microwave range. <i>Lithuanian Journal of Physics</i> , 2016, 56, .	0.1	1
183	Formaldehyde-Free Prorobitenidin/Profi setinidin Tannin/Furanic Foams Based on Alternative Aldehydes: Glyoxal and Glutaraldehyde. <i>Journal of Renewable Materials</i> , 2015, 3, 142-150.	1.1	6
184	Measuring and understanding radon adsorption in microporous materials. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	6
185	Biosourced mesoporous carbon with embedded palladium nanoparticles by a one pot soft-template synthesis: application to Suzuki reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12297-12306.	5.2	22
186	High surface area Highly N-doped carbons from hydrothermally treated tannin. <i>Industrial Crops and Products</i> , 2015, 66, 282-290.	2.5	44
187	Tannin-based carbon foams in microwave frequency range: Toward fully carbon photonic crystal. , 2015, , .		0
188	Iron influence on uranium removal from water using cellulose acetate membranes doped with activated carbon. <i>Desalination and Water Treatment</i> , 2015, 56, 3476-3485.	1.0	9
189	Thermal conductivity improvement of composite carbon foams based on tannin-based disordered carbon matrix and graphite fillers. <i>Materials and Design</i> , 2015, 83, 635-643.	3.3	58
190	In-situ synthesis and attachment of colloidal ZnO nanoparticles inside porous carbon structures. <i>Materials Chemistry and Physics</i> , 2015, 161, 219-227.	2.0	9
191	FE simulation of repaired timber beams under tensile load using CFRP patches. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 158-170.	1.4	0
192	Microwave Dielectric Properties of Tannin-Based Carbon Foams. <i>Ferroelectrics</i> , 2015, 479, 119-126.	0.3	13
193	Towards a feasible and scalable production of bio-xerogels. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 138-144.	5.0	15
194	Tannin-based monoliths from emulsion-templating. <i>Materials & Design</i> , 2015, 79, 115-126.	5.1	20
195	Carbon periodic cellular architectures. <i>Carbon</i> , 2015, 88, 70-85.	5.4	60
196	Electrochemical performances of hydrothermal tannin-based carbons doped with nitrogen. <i>Industrial Crops and Products</i> , 2015, 70, 332-340.	2.5	38
197	Broadband Dielectric Spectroscopy of Composites Filled With Various Carbon Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 2024-2031.	2.9	14
198	Hydrothermally treated aminated tannin as precursor of N-doped carbon gels for supercapacitors. <i>Carbon</i> , 2015, 90, 63-74.	5.4	67

#	ARTICLE	IF	CITATIONS
199	Electromagnetic properties of periodic carbon architectures at high frequencies. , 2015, , .		2
200	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. Physica Scripta, 2015, 90, 094019.	1.2	24
201	Tannin-Based Carbon Foams for Electromagnetic Applications. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 989-995.	1.4	28
202	Comparison of the thermal, dynamic mechanical and morphological properties of PLA-Lignin & PLA-Tannin particulate green composites. Composites Part B: Engineering, 2015, 82, 92-99.	5.9	107
203	Closed-cell carbon foams from diphenolic acid-based polybenzoxazine. Carbon, 2015, 95, 919-929.	5.4	15
204	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. AIP Advances, 2015, 5, .	0.6	18
205	Conversion of Natural Tannin to Hydrothermal and Graphene-Like Carbons Studied by Wide-Angle X-ray Scattering. Journal of Physical Chemistry A, 2015, 119, 8692-8701.	1.1	22
206	Hydrothermal carbons produced from tannin by modification of the reaction medium: Addition of H + and Ag +. Industrial Crops and Products, 2015, 77, 364-374.	2.5	32
207	Detection of Lung Cancer Bio-markers in Human Breath Using a Micro-fabricated Air Analyzer. Materials Today: Proceedings, 2015, 2, 4664-4670.	0.9	2
208	Dielectric properties and electrical conductivity of flat micronic graphite/polyurethane composites. Journal of Nanophotonics, 2015, 10, 012511.	0.4	5
209	Unique bimodal carbon xerogels from soft templating of tannin. Materials Chemistry and Physics, 2015, 149-150, 193-201.	2.0	16
210	Catalytic conversion of methane over a biomass char for hydrogen production: deactivation and regeneration by steam gasification. Applied Catalysis A: General, 2015, 490, 170-180.	2.2	24
211	Latest progresses in the preparation of tannin-based cellular solids. Journal of Cellular Plastics, 2015, 51, 89-102.	1.2	31
212	Microwave response properties of epoxy resin composites filled with graphitic fillers. , 2014, , .		1
213	Application of Density Functional Theory for Determining Pore-Size Distributions of Microporous Activated Carbons. Adsorption Science and Technology, 2014, 32, 23-35.	1.5	4
214	Chemical activation of tannin-based hydrogels by soaking in KOH and NaOH solutions. Microporous and Mesoporous Materials, 2014, 196, 8-17.	2.2	22
215	Emulsion-templated porous carbon monoliths derived from tannins. Carbon, 2014, 74, 352-362.	5.4	63
216	Aromatic polyamides as new precursors of nitrogen and oxygen-doped ordered mesoporous carbons. Carbon, 2014, 70, 119-129.	5.4	55

#	ARTICLE	IF	CITATIONS
217	A new method for preparing tannin-based foams. <i>Industrial Crops and Products</i> , 2014, 54, 40-53.	2.5	76
218	Characterization of multi-walled carbon nanotube dispersion in resorcinol-formaldehyde aerogels. <i>Microporous and Mesoporous Materials</i> , 2014, 184, 97-104.	2.2	19
219	Dielectric properties of graphite-based epoxy composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1623-1633.	0.8	32
220	Kinetics of the hydrothermal treatment of tannin for producing carbonaceous microspheres. <i>Bioresource Technology</i> , 2014, 151, 271-277.	4.8	55
221	Tortuosity studies of cellular vitreous carbon foams. <i>Carbon</i> , 2014, 80, 193-202.	5.4	16
222	Influence of Porous Texture and Surface Chemistry on the CO ₂ Adsorption Capacity of Porous Carbons: Acidic and Basic Site Interactions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21237-21247.	4.0	147
223	Finite element simulation of nanoindentation tests using a macroscopic computational model. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 3209-3217.	0.7	5
224	Structure and properties of rigid foams derived from quebracho tannin. <i>Materials & Design</i> , 2014, 63, 208-212.	5.1	32
225	Hydrogen storage in activated carbons produced from coals of different ranks: Effect of oxygen content. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4996-5002.	3.8	54
226	Biomass-derived, thermally conducting, carbon foams for seasonal thermal storage. <i>Biomass and Bioenergy</i> , 2014, 67, 312-318.	2.9	30
227	Development and Characterization of PLA-Based Bio Composites. , 2014, , .		1
228	Développement et caractérisation de mousses à base de tanins de Quebracho. <i>Materiaux Et Techniques</i> , 2014, 102, 104.	0.3	5
229	New tannin-lignin aerogels. <i>Industrial Crops and Products</i> , 2013, 41, 347-355.	2.5	127
230	Electrical transport in carbon black-epoxy resin composites at different temperatures. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	28
231	Selection and characterization of adsorbents for the analysis of an explosive-related molecule traces in the air. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 124-131.	4.0	11
232	Hydrogen uptake of high surface area-activated carbons doped with nitrogen. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10453-10460.	3.8	48
233	High-performances carbonaceous adsorbents for hydrogen storage. <i>Journal of Physics: Conference Series</i> , 2013, 416, 012024.	0.3	2
234	Tannin-based xerogels with distinctive porous structures. <i>Biomass and Bioenergy</i> , 2013, 56, 437-445.	2.9	57

#	ARTICLE	IF	CITATIONS
235	Mayonnaise, whipped cream and meringue, a new carbon cuisine. Carbon, 2013, 58, 245-248.	5.4	57
236	Ultralow cost reticulated carbon foams from household cleaning pad wastes. Carbon, 2013, 62, 517-520.	5.4	39
237	Epoxy composites filled with high surface area-carbon fillers: Optimization of electromagnetic shielding, electrical, mechanical, and thermal properties. Journal of Applied Physics, 2013, 114, 164304.	1.1	71
238	Multifunctional porous solids derived from tannins. Journal of Physics: Conference Series, 2013, 416, 012023.	0.3	8
239	Pine tannin-based rigid foams: Mechanical and thermal properties. Industrial Crops and Products, 2013, 43, 245-250.	2.5	101
240	Reaction of condensed tannins with ammonia. Industrial Crops and Products, 2013, 44, 330-335.	2.5	63
241	Structure and oxidation resistance of micro-cellular SiC foams derived from natural resins. Ceramics International, 2013, 39, 1841-1851.	2.3	17
242	Mechanical properties of heat-treated organic foams. Physical Review E, 2013, 87, .	0.8	14
243	Carbon meringues derived from flavonoid tannins. Carbon, 2013, 65, 214-227.	5.4	38
244	Tannin/furanic foams without blowing agents and formaldehyde. Industrial Crops and Products, 2013, 49, 17-22.	2.5	59
245	Acoustic properties of cellular vitreous carbon foams. Carbon, 2013, 58, 76-86.	5.4	51
246	Systematic studies of tannin-formaldehyde aerogels: preparation and properties. Science and Technology of Advanced Materials, 2013, 14, 015001.	2.8	47
247	Lignin-phenol-formaldehyde aerogels and cryogels. Microporous and Mesoporous Materials, 2013, 168, 19-29.	2.2	105
248	Epoxy Resin/Carbon Black Composites Below the Percolation Threshold. Journal of Nanoscience and Nanotechnology, 2013, 13, 5434-5439.	0.9	12
249	DIELECTRIC PROPERTIES OF EPOXY RESIN COMPOSITES FILLED WITH NANOCARBON INCLUSIONS. , 2013, , .		0
250	NANOMECHANICAL PROPERTIES OF EPOXY COMPOSITES WITH CARBON FILLERS. , 2013, , .		0
251	Biosorption of model pollutants in liquid phase on raw and modified rice husks. Journal of Physics: Conference Series, 2013, 416, 012026.	0.3	6
252	New families of carbon gels based on natural resources. Journal of Physics: Conference Series, 2013, 416, 012022.	0.3	6

#	ARTICLE	IF	CITATIONS
253	Chemical Modification of Tannin/Furanic Rigid Foams by Isocyanates and Polyurethanes. Maderas: Ciencia Y Tecnologia, 2012, , 0-0.	0.7	9
254	Impact of synthesis conditions of KOH activated carbons on their hydrogen storage capacities. International Journal of Hydrogen Energy, 2012, 37, 14278-14284.	3.8	46
255	Graphene-like structure of activated anthracites. Journal of Physics Condensed Matter, 2012, 24, 495303.	0.7	5
256	Highly mesoporous organic aerogels derived from soy and tannin. Green Chemistry, 2012, 14, 3099.	4.6	54
257	Nitrogen-doped carbon materials produced from hydrothermally treated tannin. Carbon, 2012, 50, 5411-5420.	5.4	127
258	Cytotoxicity and Genotoxicity of Nanosized and Microsized Titanium Dioxide and Iron Oxide Particles in Syrian Hamster Embryo Cells. Annals of Occupational Hygiene, 2012, 56, 631-44.	1.9	67
259	Chemistry, Morphology, Microtomography and Activation of Natural and Carbonized Tannin Foams for Different Applications. Macromolecular Symposia, 2012, 313-314, 100-111.	0.4	11
260	Adsorption by Carbon Gels. , 2012, , 207-244.		9
261	Modification of tannin based rigid foams using oligomers of a hyperbranched poly(amine-ester). Journal of Polymer Research, 2012, 19, 1.	1.2	29
262	Highly porous conducting carbon foams for electromagnetic applications. , 2012, , .		7
263	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. Journal of Nanophotonics, 2012, 6, 061715.	0.4	60
264	Physical Properties of Tannin/Furanic Resin Foamed With Different Blowing Agents. BioResources, 2012, 8, .	0.5	9
265	A planar micro-concentrator/injector for low power consumption microchromatographic analysis of benzene and 1,3 butadiene. Microsystem Technologies, 2012, 18, 489-495.	1.2	1
266	Tailoring the structure of cellular vitreous carbon foams. Carbon, 2012, 50, 2026-2036.	5.4	67
267	Radiative properties of tannin-based, glasslike, carbon foams. Carbon, 2012, 50, 4102-4113.	5.4	34
268	Activated carbons doped with Pd nanoparticles for hydrogen storage. International Journal of Hydrogen Energy, 2012, 37, 5072-5080.	3.8	73
269	Insulation rigid and elastic foams based on albumin. Industrial Crops and Products, 2012, 37, 149-154.	2.5	22
270	Flexible natural tannin-based and protein-based biosourced foams. Industrial Crops and Products, 2012, 37, 389-393.	2.5	55

#	ARTICLE	IF	CITATIONS
271	Pore structure and electrochemical performances of tannin-based carbon cryogels. <i>Biomass and Bioenergy</i> , 2012, 39, 274-282.	2.9	58
272	Impact of depressurizing rate on the porosity of aerogels. <i>Microporous and Mesoporous Materials</i> , 2012, 152, 240-245.	2.2	30
273	“Blue glue”: A new precursor of carbon aerogels. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 272-280.	2.2	22
274	Bimodal activated carbons derived from resorcinol-formaldehyde cryogels. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 035001.	2.8	16
275	Porosity of resorcinol-formaldehyde organic and carbon aerogels exchanged and dried with supercritical organic solvents. <i>Materials Chemistry and Physics</i> , 2011, 129, 1221-1232.	2.0	26
276	Optimization of activated carbons for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11746-11751.	3.8	72
277	Biopolymers-based nanocomposites: Membranes from propionated lignin and cellulose for water purification. <i>Carbohydrate Polymers</i> , 2011, 86, 732-741.	5.1	96
278	Effect of deashing rice straws on their derived activated carbons produced by phosphoric acid activation. <i>Biomass and Bioenergy</i> , 2011, 35, 1954-1959.	2.9	66
279	The use of tannin to prepare carbon gels. Part II. Carbon cryogels. <i>Carbon</i> , 2011, 49, 2785-2794.	5.4	85
280	The use of tannin to prepare carbon gels. Part I: Carbon aerogels. <i>Carbon</i> , 2011, 49, 2773-2784.	5.4	101
281	Activated carbons with appropriate micropore size distribution for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5431-5434.	3.8	54
282	Flammability assessment of tannin-based cellular materials. <i>Polymer Degradation and Stability</i> , 2011, 96, 477-482.	2.7	80
283	Preparation and characterisation of a planar pre-concentrator for benzene based on different activated carbon materials deposited by air-brushing. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 213-219.	4.0	7
284	Towards a GC-based microsystem for benzene and 1,3 butadiene detection: Pre-concentrator characterization. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 680-688.	4.0	19
285	Biopolymer-based nanocomposites: effect of lignin acetylation in cellulose triacetate films. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 045006.	2.8	71
286	Green, formaldehyde-free, foams for thermal insulation. <i>Advanced Materials Letters</i> , 2011, 2, 378-382.	0.3	58
287	Physicochemical characterisation of sugar cane bagasse lignin oxidized by hydrogen peroxide. <i>Polymer Degradation and Stability</i> , 2010, 95, 470-476.	2.7	58
288	Bimodal cellular activated carbons derived from tannins. <i>Journal of Materials Science</i> , 2010, 45, 5778-5785.	1.7	17

#	ARTICLE	IF	CITATIONS
289	Effect of composition and processing parameters on the characteristics of tannin-based rigid foams. Part I: Cell structure. <i>Materials Chemistry and Physics</i> , 2010, 122, 175-182.	2.0	100
290	Effect of composition and processing parameters on the characteristics of tannin-based rigid foams. Part II: Physical properties. <i>Materials Chemistry and Physics</i> , 2010, 123, 210-217.	2.0	75
291	Rice straw as precursor of activated carbons: Activation with ortho-phosphoric acid. <i>Journal of Hazardous Materials</i> , 2010, 181, 27-34.	6.5	123
292	Adsorption and compression contributions to hydrogen storage in activated anthracites. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9038-9045.	3.8	67
293	Mechanical properties of tannin-based rigid foams undergoing compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4438-4446.	2.6	93
294	Experimental evidence of an upper limit for hydrogen storage at 77 K on activated carbons. <i>Carbon</i> , 2010, 48, 1902-1911.	5.4	79
295	Structure and electrochemical capacitance of carbon cryogels derived from phenol-formaldehyde resins. <i>Carbon</i> , 2010, 48, 3874-3883.	5.4	54
296	Investigation of pitch-sulphur mixtures used as binder in the preparation of black ceramics. <i>Materials Chemistry and Physics</i> , 2009, 116, 619-630.	2.0	2
297	Flocculation of cellulose fibres: new comparison of crowding factor with percolation and effective-medium theories. <i>Cellulose</i> , 2009, 16, 983-987.	2.4	49
298	Synthesis, characterization and performance in arsenic removal of iron-doped activated carbons prepared by impregnation with Fe(III) and Fe(II). <i>Journal of Hazardous Materials</i> , 2009, 165, 893-902.	6.5	109
299	Activated carbons prepared from wood particleboard wastes: Characterisation and phenol adsorption capacities. <i>Journal of Hazardous Materials</i> , 2009, 166, 491-501.	6.5	186
300	Arsenic removal by iron-doped activated carbons prepared by ferric chloride forced hydrolysis. <i>Journal of Hazardous Materials</i> , 2009, 168, 430-437.	6.5	137
301	Activation of biomass-derived charcoal with supercritical water. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 53-59.	2.2	20
302	Fabrication and mass spectrometry characterization of a planar pre-concentrator for benzene based on different airbrushed activated carbon materials. <i>Procedia Chemistry</i> , 2009, 1, 987-990.	0.7	0
303	Effect of micropores diffusion on kinetics of CH ₄ decomposition over a wood-derived carbon catalyst. <i>Applied Catalysis A: General</i> , 2009, 360, 120-125.	2.2	49
304	2-Steps KOH activation of rice straw: An efficient method for preparing high-performance activated carbons. <i>Bioresource Technology</i> , 2009, 100, 3941-3947.	4.8	253
305	Tannin-based rigid foams: A survey of chemical and physical properties. <i>Bioresource Technology</i> , 2009, 100, 5162-5169.	4.8	181
306	Tannin-based carbon foams. <i>Carbon</i> , 2009, 47, 1480-1492.	5.4	188

#	ARTICLE	IF	CITATIONS
307	Statistical Optimization of the Synthesis of Highly Microporous Carbons by Chemical Activation of Kraft Lignin with NaOH. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 2216-2221.	1.0	35
308	X-Ray Microtomography Studies of Tannin-Derived Organic and Carbon Foams. <i>Microscopy and Microanalysis</i> , 2009, 15, 384-394.	0.2	48
309	Flocculation of cellulose fibre suspensions: the contribution of percolation and effective-medium theories. <i>Cellulose</i> , 2008, 15, 803-814.	2.4	8
310	Oxidative Steam Reforming of Ethanol over Ni/Cu/SiO ₂ , Rh/Al ₂ O ₃ and Ir/CeO ₂ : Effect of Metal and Support on Reaction Mechanism. <i>Topics in Catalysis</i> , 2008, 51, 22-38.	1.3	58
311	Physical gelation of waterborne thermosetting resins by percolation theory: Urea-formaldehyde, melamine-formaldehyde, and melamine-formaldehyde resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 971-978.	2.4	12
312	Adsorption of phenol onto activated carbons having different textural and surface properties. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 276-284.	2.2	452
313	Fabrication and characterisation of microporous activated carbon-based pre-concentrators for benzene vapours. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 90-98.	4.0	39
314	Catalytic decomposition of methane over a wood char concurrently activated by a pyrolysis gas. <i>Applied Catalysis A: General</i> , 2008, 346, 164-173.	2.2	85
315	Microscopic Characterization of Agave Tequilana Weber var. Azul Fibers from Agroindustrial Waste in Activated Carbon Production. <i>Microscopy and Microanalysis</i> , 2008, 14, 1204-1205.	0.2	1
316	Highly microporous carbons prepared by activation of kraft lignin with KOH. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 607-614.	1.5	27
317	Advanced Preparative Strategies for Activated Carbons Designed for the Adsorptive Storage of Hydrogen. <i>Adsorption Science and Technology</i> , 2007, 25, 129-142.	1.5	24
318	Simultaneous Determination of Intrinsic Adsorption and Diffusion of n-Butane in Activated Carbons by using the TAP Reactor. <i>Studies in Surface Science and Catalysis</i> , 2007, , 241-247.	1.5	5
319	Pore size distribution in microporous carbons obtained from molecular modeling and density functional theory. <i>Studies in Surface Science and Catalysis</i> , 2007, , 519-526.	1.5	7
320	Methodical study of the chemical activation of Kraft lignin with KOH and NaOH. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 419-431.	2.2	117
321	Influence of the demineralisation on the chemical activation of Kraft lignin with orthophosphoric acid. <i>Journal of Hazardous Materials</i> , 2007, 149, 126-133.	6.5	75
322	Removal of Lignin and Associated Impurities from Xylo-oligosaccharides by Activated Carbon Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2294-2302.	1.8	78
323	Polymeric composite membranes based on carbon/PSf. <i>Journal of Membrane Science</i> , 2006, 273, 38-46.	4.1	5
324	Kraft lignin as a precursor for microporous activated carbons prepared by impregnation with ortho-phosphoric acid: Synthesis and textural characterisation. <i>Microporous and Mesoporous Materials</i> , 2006, 92, 243-250.	2.2	134

#	ARTICLE	IF	CITATIONS
325	Ethanol oxidative steam reforming over Ni-based catalysts. <i>Journal of Power Sources</i> , 2005, 145, 659-666.	4.0	140
326	Study of the decomposition of kraft lignin impregnated with orthophosphoric acid. <i>Thermochimica Acta</i> , 2005, 433, 142-148.	1.2	74
327	Activated carbons from lignin: kinetic modeling of the pyrolysis of Kraft lignin activated with phosphoric acid. <i>Chemical Engineering Journal</i> , 2005, 106, 1-12.	6.6	118
328	Preparation and catalytic activity of active carbon-supported Mo ₂ C nanoparticles. <i>Green Chemistry</i> , 2005, 7, 784.	4.6	21
329	Preparing a Suitable Material Designed for Methane Storage: A Comprehensive Report. <i>Energy & Fuels</i> , 2005, 19, 573-583.	2.5	114
330	Effect of pore geometry on the sintering of Ca-based sorbents during calcination at high temperatures. <i>Fuel</i> , 2004, 83, 1733-1742.	3.4	30
331	Factors influencing activated carbon-polymeric composite membrane structure and performance. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 633-637.	1.9	38
332	On-board hydrogen production in a hybrid electric vehicle by bio-ethanol oxidative steam reforming over Ni and noble metal based catalysts. <i>Green Chemistry</i> , 2003, 5, 20-24.	4.6	133
333	A novel approach for characterising carbon catalysts by TAP experiments. <i>Studies in Surface Science and Catalysis</i> , 2002, 144, 255-260.	1.5	2
334	Oxidative reforming of biomass derived ethanol for hydrogen production in fuel cell applications. <i>Catalysis Today</i> , 2002, 75, 141-144.	2.2	148
335	Study of the cracking reaction of linear and branched hexanes under protolytic conditions by non-stationary kinetics. <i>Chemical Engineering Journal</i> , 2002, 90, 139-147.	6.6	14
336	Ethanol reforming for hydrogen production in a hybrid electric vehicle: process optimisation. <i>Journal of Power Sources</i> , 2002, 105, 26-34.	4.0	194
337	A non-stationary kinetics approach for the determination of the kinetic parameters of the protolytic cracking of methylcyclohexane.. <i>Studies in Surface Science and Catalysis</i> , 2001, , 341-348.	1.5	6
338	Effect of the pyrolysis process on the physicochemical and mechanical properties of smokeless fuel briquettes. <i>Fuel Processing Technology</i> , 2001, 74, 1-17.	3.7	46
339	Model predictions and experimental results on self-heating prevention of stockpiled coals. <i>Fuel</i> , 2001, 80, 125-134.	3.4	79
340	Modelling for the high-temperature sulphation of calcium-based sorbents with cylindrical and plate-like pore geometries. <i>Chemical Engineering Science</i> , 2000, 55, 3665-3683.	1.9	32
341	Prevention of spontaneous combustion in coal stockpiles. <i>Fuel Processing Technology</i> , 1999, 59, 23-34.	3.7	74
342	Utilization of Calcium Acetate and Calcium Magnesium Acetate for H ₂ S Removal in Coal Gas Cleaning at High Temperatures. <i>Energy & Fuels</i> , 1999, 13, 440-448.	2.5	21

#	ARTICLE	IF	CITATIONS
343	H ₂ S Removal in Entrained Flow Reactors by Injection of Ca-Based Sorbents at High Temperatures. Energy & Fuels, 1998, 12, 726-733.	2.5	18
344	Study of modified calcium hydroxides for enhancing SO ₂ removal during sorbent injection in pulverized coal boilers. Fuel, 1997, 76, 257-265.	3.4	50
345	The effect of the porous structure on sorbent sulfation under coal-fired boiler conditions. Thermochimica Acta, 1996, 277, 151-164.	1.2	11
346	Sorbent characterization for boiler injection process. Coal Science and Technology, 1995, , 1819-1822.	0.0	0
347	Biomass-Derived Carbons Physically Activated in One or Two Steps for CH ₄ Separation. SSRN Electronic Journal, 0, , .	0.4	1
348	Improved productivity of NAD ⁺ reduction under forced convection in aerated solutions. ChemElectroChem, 0, , .	1.7	1