

# Alain Celzard

## List of Publications by Year in descending order

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406  
papers

14,718  
citations

19608

61  
h-index

37111

96  
g-index

414  
all docs

414  
docs citations

414  
times ranked

12569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical concentration in percolating systems containing a high-aspect-ratio filler. <i>Physical Review B</i> , 1996, 53, 6209-6214.	1.1	464
2	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
3	Hollow carbon spheres, synthesis and applications – a review. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12686-12713.	5.2	266
4	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
5	Modelling of exfoliated graphite. <i>Progress in Materials Science</i> , 2005, 50, 93-179.	16.0	242
6	Tetracycline adsorption onto activated carbons produced by KOH activation of tyre pyrolysis char. <i>Chemosphere</i> , 2016, 149, 168-176.	4.2	234
7	Review of the current technologies and performances of hydrogen compression for stationary and automotive applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 150-170.	8.2	227
8	Electrical conductivity of carbonaceous powders. <i>Carbon</i> , 2002, 40, 2801-2815.	5.4	192
9	Tannin-based carbon foams. <i>Carbon</i> , 2009, 47, 1480-1492.	5.4	188
10	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
11	Tannin-based rigid foams: A survey of chemical and physical properties. <i>Bioresource Technology</i> , 2009, 100, 5162-5169.	4.8	181
12	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
13	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
14	Nitrogen-doped carbon materials produced from hydrothermally treated tannin. <i>Carbon</i> , 2012, 50, 5411-5420.	5.4	127
15	New tannin-based lignin aerogels. <i>Industrial Crops and Products</i> , 2013, 41, 347-355.	2.5	127
16	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
17	Environmentally friendly soy flour-based resins without formaldehyde. <i>Journal of Applied Polymer Science</i> , 2008, 108, 624-632.	1.3	122
18	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

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19	Preparing a Suitable Material Designed for Methane Storage: A Comprehensive Report. <i>Energy &amp; Fuels</i> , 2005, 19, 573-583.	2.5	114
20	PLA with Intumescent System Containing Lignin and Ammonium Polyphosphate for Flame Retardant Textile. <i>Polymers</i> , 2016, 8, 331.	2.0	112
21	Electrical conductivity of anisotropic expanded graphite-based monoliths. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 3094-3101.	1.3	110
22	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
23	Composites based on micron-sized exfoliated graphite particles: Electrical conduction, critical exponents and anisotropy. <i>Journal of Physics and Chemistry of Solids</i> , 1996, 57, 715-718.	1.9	108
24	Comparison of the thermal, dynamic mechanical and morphological properties of PLA-Lignin & PLA-Tannin particulate green composites. <i>Composites Part B: Engineering</i> , 2015, 82, 92-99.	5.9	107
25	Lignin-phenol-formaldehyde aerogels and cryogels. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 19-29.	2.2	105
26	The use of tannin to prepare carbon gels. Part I: Carbon aerogels. <i>Carbon</i> , 2011, 49, 2773-2784.	5.4	101
27	Pine tannin-based rigid foams: Mechanical and thermal properties. <i>Industrial Crops and Products</i> , 2013, 43, 245-250.	2.5	101
28	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
29	Biopolymers-based nanocomposites: Membranes from propionated lignin and cellulose for water purification. <i>Carbohydrate Polymers</i> , 2011, 86, 732-741.	5.1	96
30	Mechanical properties of tannin-based rigid foams undergoing compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4438-4446.	2.6	93
31	Enhanced resolution of ultra micropore size determination of biochars and activated carbons by dual gas analysis using N <sub>2</sub> and CO <sub>2</sub> with 2D-NLDFT adsorption models. <i>Carbon</i> , 2019, 144, 206-215.	5.4	86
32	NaOH activation of anthracites: effect of temperature on pore textures and methane storage ability. <i>Carbon</i> , 2004, 42, 2855-2866.	5.4	85
33	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
34	The use of tannin to prepare carbon gels. Part II. Carbon cryogels. <i>Carbon</i> , 2011, 49, 2785-2794.	5.4	85
35	Porous electrodes-based double-layer supercapacitors: pore structure versus series resistance. <i>Journal of Power Sources</i> , 2002, 108, 153-162.	4.0	82
36	Flammability assessment of tannin-based cellular materials. <i>Polymer Degradation and Stability</i> , 2011, 96, 477-482.	2.7	80

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37	Matrix-assisted laser desorption/ionization time-of-flight structure determination of complex thermoset networks: Polyflavonoid tannin-furanic rigid foams. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1451-1456.	1.3	79
38	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
39	Influence of nanoclay on urea-formaldehyde resins for wood adhesives and its model. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2442-2451.	1.3	78
40	Tetracycline removal with activated carbons produced by hydrothermal carbonisation of <i>Agave americana</i> fibres and mimosa tannin. <i>Industrial Crops and Products</i> , 2018, 115, 146-157.	2.5	78
41	Electromagnetic properties of model vitreous carbon foams. <i>Carbon</i> , 2017, 122, 217-227.	5.4	77
42	A review of natural materials for solar evaporation. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110814.	3.0	77
43	A new method for preparing tannin-based foams. <i>Industrial Crops and Products</i> , 2014, 54, 40-53.	2.5	76
44	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
45	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
46	Study of the decomposition of kraft lignin impregnated with orthophosphoric acid. <i>Thermochimica Acta</i> , 2005, 433, 142-148.	1.2	74
47	Activated carbons doped with Pd nanoparticles for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5072-5080.	3.8	73
48	Bioresourced pine tannin/furanic foams with glyoxal and glutaraldehyde. <i>Industrial Crops and Products</i> , 2013, 45, 401-405.	2.5	73
49	Optimization of activated carbons for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11746-11751.	3.8	72
50	Direct synthesis of ordered mesoporous polymer and carbon materials by a biosourced precursor. <i>Green Chemistry</i> , 2012, 14, 313-316.	4.6	72
51	Energy Storage in Supercapacitors: Focus on Tannin-Derived Carbon Electrodes. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	72
52	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
53	Epoxy composites filled with high surface area-carbon fillers: Optimization of electromagnetic shielding, electrical, mechanical, and thermal properties. <i>Journal of Applied Physics</i> , 2013, 114, 164304.	1.1	71
54	Improved methane storage capacities by sorption on wet active carbons. <i>Carbon</i> , 2004, 42, 1249-1256.	5.4	67

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55	Adsorption and compression contributions to hydrogen storage in activated anthracites. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9038-9045.	3.8	67
56	Tailoring the structure of cellular vitreous carbon foams. <i>Carbon</i> , 2012, 50, 2026-2036.	5.4	67
57	Hydrothermally treated aminated tannin as precursor of N-doped carbon gels for supercapacitors. <i>Carbon</i> , 2015, 90, 63-74.	5.4	67
58	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. <i>ACS Catalysis</i> , 2016, 6, 5618-5628.	5.5	67
59	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
60	Modelling the reactions of cellulose, hemicellulose and lignin submitted to hydrothermal treatment. <i>Industrial Crops and Products</i> , 2018, 124, 919-930.	2.5	66
61	Surface area of compressed expanded graphite. <i>Carbon</i> , 2002, 40, 2713-2718.	5.4	64
62	Reaction of condensed tannins with ammonia. <i>Industrial Crops and Products</i> , 2013, 44, 330-335.	2.5	63
63	Emulsion-templated porous carbon monoliths derived from tannins. <i>Carbon</i> , 2014, 74, 352-362.	5.4	63
64	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
65	Adsorption of Bisphenol A on KOH-activated tyre pyrolysis char. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 823-833.	3.3	63
66	Detection and quantification of lung cancer biomarkers by a micro-analytical device using a single metal oxide-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 391-400.	4.0	63
67	Methane storage capacities and pore textures of active carbons undergoing mechanical densification. <i>Carbon</i> , 2005, 43, 1990-1999.	5.4	62
68	Synthesis of perfectly ordered mesoporous carbons by water-assisted mechanochemical self-assembly of tannin. <i>Green Chemistry</i> , 2018, 20, 5123-5132.	4.6	62
69	Optimal wetting of active carbons for methane hydrate formation. <i>Fuel</i> , 2006, 85, 957-966.	3.4	61
70	Best practices for ORR performance evaluation of metal-free porous carbon electrocatalysts. <i>Carbon</i> , 2022, 189, 349-361.	5.4	61
71	Structure degradation, conservation and rearrangement in the carbonisation of polyflavonoid tannin/furanic rigid foams – A MALDI-TOF investigation. <i>Polymer Degradation and Stability</i> , 2008, 93, 968-975.	2.7	60
72	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. <i>Journal of Nanophotonics</i> , 2012, 6, 061715.	0.4	60

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73	Carbon periodic cellular architectures. <i>Carbon</i> , 2015, 88, 70-85.	5.4	60
74	Tannin/furanic foams without blowing agents and formaldehyde. <i>Industrial Crops and Products</i> , 2013, 49, 17-22.	2.5	59
75	Physicochemical characterisation of sugar cane bagasse lignin oxidized by hydrogen peroxide. <i>Polymer Degradation and Stability</i> , 2010, 95, 470-476.	2.7	58
76	Pore structure and electrochemical performances of tannin-based carbon cryogels. <i>Biomass and Bioenergy</i> , 2012, 39, 274-282.	2.9	58
77	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
78	Easy and eco-friendly synthesis of ordered mesoporous carbons by self-assembly of tannin with a block copolymer. <i>Green Chemistry</i> , 2016, 18, 3265-3271.	4.6	58
79	Green, formaldehyde-free, foams for thermal insulation. <i>Advanced Materials Letters</i> , 2011, 2, 378-382.	0.3	58
80	Densification of expanded graphite. <i>Carbon</i> , 2002, 40, 2185-2191.	5.4	57
81	Methane Storage within Dry and Wet Active Carbons: A Comparative Study. <i>Energy &amp; Fuels</i> , 2003, 17, 1283-1291.	2.5	57
82	Tannin-based xerogels with distinctive porous structures. <i>Biomass and Bioenergy</i> , 2013, 56, 437-445.	2.9	57
83	Mayonnaise, whipped cream and meringue, a new carbon cuisine. <i>Carbon</i> , 2013, 58, 245-248.	5.4	57
84	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
85	Preparation, electrical and elastic properties of new anisotropic expanded graphite-based composites. <i>Carbon</i> , 2002, 40, 557-566.	5.4	56
86	Conduction mechanisms in some graphite - polymer composites: the effect of a direct-current electric field. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 2225-2237.	0.7	55
87	Conduction mechanisms in some graphite-polymer composites: Effects of temperature and hydrostatic pressure. <i>Journal of Applied Physics</i> , 1998, 83, 1410-1419.	1.1	55
88	Flexible natural tannin-based and protein-based biosourced foams. <i>Industrial Crops and Products</i> , 2012, 37, 389-393.	2.5	55
89	Kinetics of the hydrothermal treatment of tannin for producing carbonaceous microspheres. <i>Bioresource Technology</i> , 2014, 151, 271-277.	4.8	55
90	Structure and electrochemical capacitance of carbon cryogels derived from phenol-formaldehyde resins. <i>Carbon</i> , 2010, 48, 3874-3883.	5.4	54

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91	Activated carbons with appropriate micropore size distribution for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5431-5434.	3.8	54
92	Highly mesoporous organic aerogels derived from soy and tannin. <i>Green Chemistry</i> , 2012, 14, 3099.	4.6	54
93	Numerical analysis of flexural strengthening of timber beams reinforced with CFRP strips. <i>Composite Structures</i> , 2014, 111, 393-400.	3.1	54
94	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
95	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
96	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12146-12156.	3.8	53
97	3D printing of carbon-based materials: A review. <i>Carbon</i> , 2021, 183, 449-485.	5.4	53
98	Acoustic properties of cellular vitreous carbon foams. <i>Carbon</i> , 2013, 58, 76-86.	5.4	51
99	Towards Non-Mechanical Hybrid Hydrogen Compression for Decentralized Hydrogen Facilities. <i>Energies</i> , 2020, 13, 3145.	1.6	51
100	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
101	Effect of micropores diffusion on kinetics of CH <sub>4</sub> decomposition over a wood-derived carbon catalyst. <i>Applied Catalysis A: General</i> , 2009, 360, 120-125.	2.2	49
102	X-Ray Microtomography Studies of Tannin-Derived Organic and Carbon Foams. <i>Microscopy and Microanalysis</i> , 2009, 15, 384-394.	0.2	48
103	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
104	Lightweight tannin foam/composites sandwich panels and the coldset tannin adhesive to assemble them. <i>Industrial Crops and Products</i> , 2013, 43, 255-260.	2.5	47
105	Systematic studies of tannin-formaldehyde aerogels: preparation and properties. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 015001.	2.8	47
106	MALDI-TOF and <sup>13</sup> C NMR Analysis of Tannin-Furanic-Polyurethane Foams Adapted for Industrial Continuous Lines Application. <i>Polymers</i> , 2014, 6, 2985-3004.	2.0	47
107	Impact of synthesis conditions of KOH activated carbons on their hydrogen storage capacities. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14278-14284.	3.8	46
108	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

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109	High surface area Highly N-doped carbons from hydrothermally treated tannin. <i>Industrial Crops and Products</i> , 2015, 66, 282-290.	2.5	44
110	Exploiting the adsorption of simple gases O <sub>2</sub> and H <sub>2</sub> 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
111	Pine ( <i>P. pinaster</i> ) and quebracho ( <i>S. lorentzii</i> ) tannin-based foams as green acoustic absorbers. <i>Industrial Crops and Products</i> , 2015, 67, 70-73.	2.5	43
112	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	43
113	Mechanical properties of model vitreous carbon foams. <i>Carbon</i> , 2017, 116, 562-571.	5.4	43
114	Combined Effect of Porosity and Surface Chemistry on the Electrochemical Reduction of Oxygen on Cellular Vitreous Carbon Foam Catalyst. <i>ACS Catalysis</i> , 2017, 7, 7466-7478.	5.5	42
115	Hydrophobisation of active carbon surface and effect on the adsorption of water. <i>Carbon</i> , 2005, 43, 2554-2563.	5.4	41
116	Physisorption, chemisorption and spill-over contributions to hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17442-17452.	3.8	41
117	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. <i>Carbon</i> , 2020, 164, 69-84.	5.4	41
118	Biobased foams from condensed tannin extracts from Norway spruce ( <i>Picea abies</i> ) bark. <i>Industrial Crops and Products</i> , 2015, 73, 144-153.	2.5	40
119	Anisotropic percolation in an epoxy - graphite disc composite. <i>Solid State Communications</i> , 1994, 92, 377-383.	0.9	39
120	NaOH activation of anthracites: effect of hydroxide content on pore textures and methane storage ability. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 31-40.	2.2	39
121	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
122	MALDI-ToF investigation of furanic polymer foams before and after carbonization: Aromatic rearrangement and surviving furanic structures. <i>European Polymer Journal</i> , 2008, 44, 2938-2943.	2.6	39
123	Ultralow cost reticulated carbon foams from household cleaning pad wastes. <i>Carbon</i> , 2013, 62, 517-520.	5.4	39
124	Auto-Crosslinked Rigid Foams Derived from Biorefinery Byproducts. <i>ChemSusChem</i> , 2018, 11, 2797-2809.	3.6	39
125	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12562-12574.	4.0	39
126	Carbon meringues derived from flavonoid tannins. <i>Carbon</i> , 2013, 65, 214-227.	5.4	38



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127	Electrochemical performances of hydrothermal tannin-based carbons doped with nitrogen. <i>Industrial Crops and Products</i> , 2015, 70, 332-340.	2.5	38
128	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
129	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
130	Sucrose-based carbon foams with enhanced thermal conductivity. <i>Industrial Crops and Products</i> , 2016, 89, 498-506.	2.5	37
131	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. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 277-286.	5.0	37
132	Scalar and vectorial percolation in compressed expanded graphite. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 294, 283-294.	1.2	36
133	Influence of Water on the Dynamic Adsorption of Chlorinated VOCs on Active Carbon: Relative Humidity of the Gas Phase versus Pre-Adsorbed Water. <i>Adsorption Science and Technology</i> , 2006, 24, 215-228.	1.5	35
134	Statistical Optimization of the Synthesis of Highly Microporous Carbons by Chemical Activation of Kraft Lignin with NaOH. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 2216-2221.	1.0	35
135	Flexible-elastic copolymerized polyurethane-tannin foams. <i>Journal of Applied Polymer Science</i> , 2014, 131, n/a-n/a.	1.3	35
136	Structure and properties of poly(furfuryl alcohol)-tannin polyHIPEs. <i>European Polymer Journal</i> , 2016, 78, 195-212.	2.6	35
137	Radiative properties of tannin-based, glasslike, carbon foams. <i>Carbon</i> , 2012, 50, 4102-4113.	5.4	34
138	Finite element analysis of flexural strengthening of timber beams with Carbon Fibre-Reinforced Polymers. <i>Engineering Structures</i> , 2015, 101, 364-375.	2.6	34
139	Non-linear current-voltage characteristics in anisotropic epoxy resin-graphite flake composites. <i>Journal of Materials Science</i> , 1997, 32, 1849-1853.	1.7	33
140	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
141	Hydrothermal pre-treatment, an efficient tool to improve activated carbon performances. <i>Industrial Crops and Products</i> , 2019, 140, 111717.	2.5	33
142	Dielectric properties of graphite-based epoxy composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1623-1633.	0.8	32
143	Structure and properties of rigid foams derived from quebracho tannin. <i>Materials &amp; Design</i> , 2014, 63, 208-212.	5.1	32
144	Hydrothermal carbons produced from tannin by modification of the reaction medium: Addition of H <sup>+</sup> and Ag <sup>+</sup> . <i>Industrial Crops and Products</i> , 2015, 77, 364-374.	2.5	32

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145	Functionalized, hierarchical and ordered mesoporous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6140-6148.	5.2	32
146	Preparation and structural characterisation of model cellular vitreous carbon foams. <i>Carbon</i> , 2017, 112, 208-218.	5.4	32
147	Influence of formulation on the dynamics of preparation of tannin-based foams. <i>Industrial Crops and Products</i> , 2013, 51, 396-400.	2.5	31
148	Latest progresses in the preparation of tannin-based cellular solids. <i>Journal of Cellular Plastics</i> , 2015, 51, 89-102.	1.2	31
149	Applications of the Sol-Gel Process Using Well-Tested Recipes. <i>Journal of Chemical Education</i> , 2002, 79, 854.	1.1	30
150	Impact of depressurizing rate on the porosity of aerogels. <i>Microporous and Mesoporous Materials</i> , 2012, 152, 240-245.	2.2	30
151	Nanotube-reinforced tannin/furanic rigid foams. <i>Industrial Crops and Products</i> , 2013, 43, 636-639.	2.5	30
152	Biomass-derived, thermally conducting, carbon foams for seasonal thermal storage. <i>Biomass and Bioenergy</i> , 2014, 67, 312-318.	2.9	30
153	<i>Pinus pinaster</i> tannin/furanic foams: PART I. Formulation. <i>Industrial Crops and Products</i> , 2014, 52, 450-456.	2.5	30
154	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
155	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
156	Physical meaning of the parameters used in fractal kinetic and generalised adsorption models of Brouers's Sotolongo. <i>Adsorption</i> , 2018, 24, 11-27.	1.4	30
157	Characterization of Carbon Materials for Hydrogen Storage and Compression. <i>Journal of Carbon Research</i> , 2020, 6, 46.	1.4	30
158	Influence of Nanoclay on Phenol-Formaldehyde and Phenol-Urea-Formaldehyde Resins for Wood Adhesives. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1567-1576.	1.4	29
159	Modification of tannin based rigid foams using oligomers of a hyperbranched poly(amine-ester). <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	29
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