

Vanessa Fierro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

329
papers

9,747
citations

53
h-index

82
g-index

356
ext. papers

11,214
ext. citations

5.9
avg, IF

6.53
L-index

#	Paper	IF	Citations
329	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	5.6	2
328	High hydrogen release by cryo-adsorption and compression on porous materials. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 8892-8915	6.7	2
327	Upgrading of flax powder and short fibers into high value-added products. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107195	6.8	
326	Tannin-based hard carbons as high-performance anode materials for sodium-ion batteries. <i>Materials Today Chemistry</i> , 2022 , 23, 100614	6.2	1
325	Best practices for ORR performance evaluation of metal-free porous carbon electrocatalysts. <i>Carbon</i> , 2022 , 189, 349-361	10.4	10
324	Irreversible deformation of hyper-crosslinked polymers after hydrogen adsorption. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 513-527	9.3	5
323	Experimental Design Optimization of Acrylate-Tannin Photocurable Resins for 3D Printing of Bio-Based Porous Carbon Architectures.. <i>Molecules</i> , 2022 , 27,	4.8	1
322	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3843-3854	5.6	3
321	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	1.7	
320	Biomass-derived carbons physically activated in one or two steps for CH ₄ /CO ₂ separation. <i>Renewable Energy</i> , 2022 , 191, 122-133	8.1	0
319	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, 49472-49489	9.5	9
318	All-dielectric bulk isotropic double-negative metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 159	1.7	1
317	Dielectric properties of polydimethylsiloxane composites filled with SrTiO ₃ nanoparticles. <i>Polymer Composites</i> , 2021 , 42, 2982	3	3
316	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12562-12574	9.5	12
315	Mechanochemical Functionalization of Mesoporous Carbons for the Catalytic Transformation of trans-Ferulic Acid into Vanillin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4704-4710	8.3	3
314	Estimation of the reaction kinetic parameters of a mimosa tannin-based thermoset resin with a simulation approach. <i>Industrial Crops and Products</i> , 2021 , 161, 113228	5.9	1
313	Mechanical and Thermal Behavior of Fibrous Carbon Materials. <i>Materials</i> , 2021 , 14,	3.5	1

312	An Evaluation of the Impact of the Amount of Potassium Hydroxide on the Porous Structure Development of Activated Carbons. <i>Materials</i> , 2021 , 14,	3.5	4
311	Molecular sieving of linear and branched C6 alkanes by tannin-derived carbons. <i>Carbon</i> , 2021 , 174, 413-422.	4.4	5
310	Hydration mechanisms of scheelite from adsorption isotherms and ab initio molecular dynamics simulations. <i>Applied Surface Science</i> , 2021 , 150137	6.7	8
309	Gas sensing based on organic composite materials: Review of sensor types, progresses and challenges. <i>Materials Science in Semiconductor Processing</i> , 2021 , 128, 105744	4.3	13
308	Densities of hemp shiv for building: From multiscale characterisation to application. <i>Industrial Crops and Products</i> , 2021 , 164, 113390	5.9	3
307	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	5.1	4
306	Hydrophobised carbon foams for improved long-term seasonal solar thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 220, 110849	6.4	7
305	A Sustainable Carbon Material from Kraft Black Liquor as Nickel-Based Electrocatalyst Support for Ethanol Electro-Oxidation. <i>Waste and Biomass Valorization</i> , 2021 , 12, 2507-2519	3.2	3
304	A review of natural materials for solar evaporation. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 219, 110814	6.4	20
303	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. <i>Carbon</i> , 2021 , 171, 484-492	10.4	10
302	A theoretical scenario for the mechanical failure of boron carbide nanotubes. <i>Computational Materials Science</i> , 2021 , 186, 110022	3.2	11
301	Carbon gels derived from phenolic-oil for pollutants removal in water phase. <i>Fuel Processing Technology</i> , 2021 , 211, 106588	7.2	0
300	Influence of activation conditions on textural properties and performance of activated biochars for pyrolysis vapors upgrading. <i>Fuel</i> , 2021 , 289, 119759	7.1	6
299	Carbon Microspheres with Tailored Texture and Surface Chemistry As Electrode Materials for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 541-551	8.3	2
298	Control of Light Transmission in a Plasmonic Liquid Metacrystal. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
297	Electrocatalytic hydrogen evolution on the noble metal-free MoS ₂ /carbon nanotube heterostructure: a theoretical study. <i>Scientific Reports</i> , 2021 , 11, 3958	4.9	6
296	Effect of the porosity and microstructure on the mechanical properties of organic xerogels. <i>Journal of Materials Science</i> , 2021 , 56, 10312-10325	4.3	0
295	Boron Nitride Nanotube as an Antimicrobial Peptide Carrier: A Theoretical Insight. <i>International Journal of Nanomedicine</i> , 2021 , 16, 1837-1847	7.3	13

294	A critical review on surface modifications mitigating dairy fouling. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 4324-4366	16.4	1
293	Carbon Monoliths with Hierarchical Porous Structure for All-Vanadium Redox Flow Batteries. <i>Batteries</i> , 2021 , 7, 55	5.7	2
292	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	9.5	3
291	3D printing of carbon-based materials: A review. <i>Carbon</i> , 2021 , 183, 449-485	10.4	10
290	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	10.4	3
289	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	16.2	2
288	Upgrading of pine tannin biochars as electrochemical capacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 863-876	9.3	4
287	Modelling heat and mass transfer in solar evaporation systems. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 181, 121852	4.9	2
286	Mechanical Properties of CN Nanotubes from Molecular Dynamics Simulation Studies. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
285	Lignin-graphene oxide inks for 3D printing of graphitic materials with tunable density. <i>Nano Today</i> , 2020 , 33, 100881	17.9	10
284	Green, innovative, versatile and efficient carbon materials from polyphenolic plant extracts. <i>Carbon</i> , 2020 , 167, 792-815	10.4	10
283	Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. <i>Applied Materials Today</i> , 2020 , 20, 100622	6.6	5
282	Synthesis and properties of carbon microspheres based on tannin-glucose mixtures treated in hydrothermal conditions. <i>Industrial Crops and Products</i> , 2020 , 154, 112564	5.9	8
281	Forcespun metal oxide ultrafine tubes for hazardous gas monitoring. <i>Materials Today: Proceedings</i> , 2020 , 27, 3124-3131	1.4	
280	Towards Non-Mechanical Hybrid Hydrogen Compression for Decentralized Hydrogen Facilities. <i>Energies</i> , 2020 , 13, 3145	3.1	21
279	A 70 MPa hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. <i>Carbon</i> , 2020 , 161, 466-478	10.4	9
278	Activated carbon xerogels derived from phenolic oil: Basic catalysis synthesis and electrochemical performances. <i>Fuel Processing Technology</i> , 2020 , 205, 106427	7.2	5
277	Identification of nanomaterials by the volume specific surface area (VSSA) criterion: application to powder mixes. <i>Nanoscale Advances</i> , 2020 , 2, 4908-4917	5.1	3

276	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	13	9
275	Feasibility of Hydrogen Compression in an Electrochemical System: Focus on Water Transport Mechanisms. <i>Fuel Cells</i> , 2020 , 20, 370-380	2.9	7
274	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	6.7	13
273	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	10.4	23
272	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	9.3	13
271	First approach for modelling the physical foaming of tannin-based thermoset foams. <i>International Journal of Thermal Sciences</i> , 2020 , 149, 106212	4.1	8
270	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 30767-30782	6.7	9
269	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	8.5	4
268	Paracetamol removal by Kon-Tiki kiln-derived biochar and activated carbons. <i>Industrial Crops and Products</i> , 2020 , 155, 112740	5.9	7
267	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	3.3	4
266	Hierarchical tannin-derived carbons as efficient tetracycline adsorbents. <i>Applied Surface Science</i> , 2020 , 533, 147428	6.7	6
265	Energy Storage in Supercapacitors: Focus on Tannin-Derived Carbon Electrodes. <i>Frontiers in Materials</i> , 2020 , 7,	4	16
264	Characterization of Carbon Materials for Hydrogen Storage and Compression. <i>Journal of Carbon Research</i> , 2020 , 6, 46	3.3	16
263	Electrical percolation and electromagnetic properties of polydimethylsiloxane composites filled with Ag nanoparticles of different sizes. <i>Polymer Composites</i> , 2020 , 41, 4750-4756	3	1
262	Enhancing the gas adsorption capacities of UiO-66 by nanographite addition. <i>Microporous and Mesoporous Materials</i> , 2020 , 309, 110571	5.3	4
261	Magnetohydrodynamic self-propulsion of active matter agents. <i>Applied Physics Letters</i> , 2020 , 117, 104103	3.4	1
260	Effect of the adsorption pH and temperature on the parameters of the Brouers-Sotolongo models. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 23437-23446	5.1	6
259	Nanostructured tin oxide materials for the sub-ppm detection of indoor formaldehyde pollution. <i>Talanta</i> , 2020 , 208, 120396	6.2	5

258	Modelling the production of solid and liquid products from the hydrothermal carbonisation of two biomasses. <i>Industrial Crops and Products</i> , 2020 , 151, 112452	5.9	3
257	Imprinting isolated single iron atoms onto mesoporous silica by templating with metallosurfactants. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 193-203	9.3	15
256	High-Rate Capability of Supercapacitors Based on Tannin-Derived Ordered Mesoporous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17627-17635	8.3	27
255	Novel Porous Carbons Derived from Coal Tar Rejects: Assessment of the Role of Pore Texture in CO Capture under Realistic Postcombustion Operating Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36789-36799	9.5	14
254	Hydrothermal pre-treatment, an efficient tool to improve activated carbon performances. <i>Industrial Crops and Products</i> , 2019 , 140, 111717	5.9	21
253	Lignin-Based Carbon Nanofibers as Electrodes for Vanadium Redox Couple Electrochemistry. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
252	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	7.1	8
251	Confrontation of various adsorption models for assessing the porous structure of activated carbons. <i>Adsorption</i> , 2019 , 25, 1673-1682	2.6	19
250	Experimental investigation of the physical foaming of tannin-based thermoset foams. <i>Industrial Crops and Products</i> , 2019 , 138, 111424	5.9	8
249	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	6.7	10
248	A new method for measuring the thermal conductivity of small insulating samples. <i>Review of Scientific Instruments</i> , 2019 , 90, 054901	1.7	2
247	Organic and Carbon Gels. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 ,	0.8	8
246	Properties of Carbon Aerogels and Their Organic Precursors. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 87-121	0.8	1
245	Fitting Carbon Gels and Composites for Environmental Processes. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 123-147	0.8	
244	Organic and Carbon Gels: From Laboratory to Industry?. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 1-26	0.8	1
243	Organic and Carbon Gels Derived from Biosourced Polyphenols. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 27-85	0.8	1
242	Carbon Gels for Electrochemical Applications. <i>Advances in Sol-gel Derived Materials and Technologies</i> , 2019 , 149-189	0.8	
241	Magnetic Carbon Composite Particles for Dye Adsorption from Water and their Electrochemical Regeneration. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800537	3.1	6

240	Effect of morphology and hydrophobization of MoS ₂ microparticles on the stability of poly-β-lefins lubricants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 572, 174-181	5.1	9
239	Carbon aerogels prepared by autocondensation of flavonoid tannin. <i>Carbon Resources Conversion</i> , 2019 , 2, 72-84	4.7	5
238	Floating hollow carbon spheres for improved solar evaporation. <i>Carbon</i> , 2019 , 146, 232-247	10.4	15
237	Synergetic effect of triglycine sulfate and graphite nanoplatelets on dielectric and piezoelectric properties of epoxy resin composites. <i>Polymer Composites</i> , 2019 , 40, E1181-E1188	3	4
236	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,	3.5	4
235	Electromagnetics of carbon: Nano versus micro 2019 , 191-204		0
234	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	5.1	9
233	Permeability of fibrous carbon materials. <i>Journal of Materials Science</i> , 2019 , 54, 13537-13556	4.3	9
232	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	7.2	20
231	Modelling the hygrothermal behaviour of cement-bonded wood composite panels as permanent formwork. <i>Industrial Crops and Products</i> , 2019 , 142, 111784	5.9	9
230	Structural Characterisation and Chemical Stability of Commercial Fibrous Carbons in Molten Lithium Salts. <i>Materials</i> , 2019 , 12,	3.5	2
229	Electromagnetic Properties of Carbon Gels. <i>Materials</i> , 2019 , 12,	3.5	2
228	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	16.2	98
227	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. <i>Carbon</i> , 2019 , 144, 206-215	10.4	50
226	Size-Dependent Electrical and Thermal Properties of Onion-Like Carbons/Polyurethane Composites. <i>Polymer Composites</i> , 2018 , 39, E1834-E1840	3	4
225	Impact of the formulation of biosourced phenolic foams on their fire properties. <i>Polymer Degradation and Stability</i> , 2018 , 153, 1-14	4.7	11
224	Tetracycline removal with activated carbons produced by hydrothermal carbonisation of Agave americana fibres and mimosa tannin. <i>Industrial Crops and Products</i> , 2018 , 115, 146-157	5.9	58
223	Mechanically blown wall-projected tannin-based foams. <i>Industrial Crops and Products</i> , 2018 , 113, 316-323	3.9	18

222	Adsorption of Model Dyes Onto Porous Materials: Effect of pH and Temperature on the Parameters of Brouers-Sotolongo Kinetic Fractal and Generalized Isotherm. <i>Advances in Science, Technology and Innovation</i> , 2018 , 1039-1041	0.3	3
221	Physical meaning of the parameters used in fractal kinetic and generalised adsorption models of Brouers-Sotolongo. <i>Adsorption</i> , 2018 , 24, 11-27	2.6	26
220	Adsorption of Bisphenol A on KOH-activated tyre pyrolysis char. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 823-833	6.8	40
219	The severity factor as a useful tool for producing hydrochars and derived carbon materials. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 1497-1507	5.1	10
218	Optimisation of green tannin-furanic foams for thermal insulation by experimental design. <i>Materials and Design</i> , 2018 , 139, 7-15	8.1	18
217	Auto-Crosslinked Rigid Foams Derived from Biorefinery Byproducts. <i>ChemSusChem</i> , 2018 , 11, 2797-2809	8.3	31
216	Structure and Electromagnetic Properties of Cellular Glassy Carbon Monoliths with Controlled Cell Size. <i>Materials</i> , 2018 , 11,	3.5	8
215	Hydrogen Adsorption on Nanotextured Carbon Materials 2018 , 263-320		4
214	Ultra-low percolation threshold in epoxy resin/graphene-like carbon composites. <i>Applied Physics Letters</i> , 2018 , 113, 033105	3.4	7
213	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	7.3	11
212	Destructive vs. non-destructive methods for the mechanical characterisation of tannin-based thermoset foams. <i>Polymer Testing</i> , 2018 , 69, 332-339	4.5	2
211	Projectable tannin foams by mechanical and chemical expansion. <i>Industrial Crops and Products</i> , 2018 , 120, 90-96	5.9	10
210	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	8.5	33
209	Synthesis of perfectly ordered mesoporous carbons by water-assisted mechanochemical self-assembly of tannin. <i>Green Chemistry</i> , 2018 , 20, 5123-5132	10	40
208	Modelling the reactions of cellulose, hemicellulose and lignin submitted to hydrothermal treatment. <i>Industrial Crops and Products</i> , 2018 , 124, 919-930	5.9	39
207	Ordered mesoporous carbons obtained by soft-templating of tannin in mild conditions. <i>Microporous and Mesoporous Materials</i> , 2018 , 270, 127-139	5.3	34
206	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	3	13
205	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	8.9	45

204	Mechanical properties of model vitreous carbon foams. <i>Carbon</i> , 2017 , 116, 562-571	10.4	37
203	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11534-11540	6.7	25
202	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	4.4	24
201	Electrical Properties of Carbon Foam in the Microwave Range. <i>Russian Physics Journal</i> , 2017 , 59, 1703-1709	10.5	8
200	Acoustic properties of model cellular vitreous carbon foams. <i>Carbon</i> , 2017 , 119, 241-250	10.4	19
199	Outstanding electrochemical performance of highly N- and O-doped carbons derived from pine tannin. <i>Green Chemistry</i> , 2017 , 19, 2653-2665	10	49
198	Fully carbon metasurface: Absorbing coating in microwaves. <i>Journal of Applied Physics</i> , 2017 , 121, 165103	10.5	18
197	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	13	11
196	Resistivity and low-frequency noise characteristics of epoxy-carbon composites. <i>Journal of Applied Physics</i> , 2017 , 121, 114303	2.5	2
195	Stability analysis of tannin-based foams using multiple light-scattering measurements. <i>European Polymer Journal</i> , 2017 , 87, 318-330	5.2	16
194	MICROWAVE-ABSORBING PROPERTIES OF PHOSPHATE CERAMICS FILLED WITH CARBON NANOTUBES, BaTiO ₃ AND Fe ₃ O ₄ 2017 , 202-205		1
193	Hydrothermal Treatment of Tannin: A Route to Porous Metal Oxides and Metal/Carbon Hybrid Materials. <i>Inorganics</i> , 2017 , 5, 7	2.9	15
192	Rubber-like materials derived from biosourced phenolic resins. <i>Journal of Physics: Conference Series</i> , 2017 , 879, 012013	0.3	2
191	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	13.1	35
190	Easy Preparation of Tannin-Based Ag Catalysts for Ethylene Epoxidation. <i>ChemistrySelect</i> , 2017 , 2, 8509-8516	10.5	3
189	Electromagnetic properties of model vitreous carbon foams. <i>Carbon</i> , 2017 , 122, 217-227	10.4	63
188	Preparation and structural characterisation of model cellular vitreous carbon foams. <i>Carbon</i> , 2017 , 112, 208-218	10.4	27
187	High added-value products from the hydrothermal carbonisation of olive stones. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 9859-9869	5.1	22

186	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	9.3	30
185	Modelling the physical properties of glasslike carbon foams. <i>Journal of Physics: Conference Series</i> , 2017 , 879, 012014	0.3	6
184	Design of carbon foams for seasonal solar thermal energy storage. <i>Carbon</i> , 2016 , 109, 771-787	10.4	28
183	Physisorption, chemisorption and spill-over contributions to hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 17442-17452	6.7	35
182	Sugarcane molasses as a pseudocapacitive material for supercapacitors. <i>RSC Advances</i> , 2016 , 6, 88826-88836	9.7	15
181	Hollow carbon spheres, synthesis and applications: a review. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12686-12713	13	208
180	Hollow Superparamagnetic Microballoons from Lifelike, Self-Directed Pickering Emulsions Based on Patchy Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 10347-10356	16.7	5
179	Bulk microstructure and local elastic properties of carbon nanocomposites studied by impulse acoustic microscopy technique 2016 ,		3
178	Sucrose-based carbon foams with enhanced thermal conductivity. <i>Industrial Crops and Products</i> , 2016 , 89, 498-506	5.9	30
177	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 12146-12156	6.7	42
176	Carbon, a Unique Model Material for Condensed Matter Physics and Engineering Science. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2016 , 1-26	0.2	
175	Advances in tailoring the porosity of tannin-based carbon xerogels. <i>Industrial Crops and Products</i> , 2016 , 82, 100-106	5.9	21
174	Functionalized, hierarchical and ordered mesoporous carbons for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6140-6148	13	26
173	Tetracycline adsorption onto activated carbons produced by KOH activation of tyre pyrolysis char. <i>Chemosphere</i> , 2016 , 149, 168-76	8.4	175
172	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	10	44
171	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	5.1	25
170	Shielding effects in thin films of carbon nanotubes within microwave range. <i>Lithuanian Journal of Physics</i> , 2016 , 56,	1.1	1
169	Improving Water Repellence and Friability of Tannin-Furanic Foams by Oil-Grafted Flavonoid Tannins. <i>BioResources</i> , 2016 , 11,	1.3	6

168	PLA with Intumescent System Containing Lignin and Ammonium Polyphosphate for Flame Retardant Textile. <i>Polymers</i> , 2016 , 8,	4.5	85
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