

Pasquale F Fulvio

List of Publications by Citations

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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.

68

papers

7,279

citations

36

h-index

71

g-index

71

ext. papers

7,893

ext. citations

8.7

avg, IF

5.81

L-index

#	Paper	IF	Citations
68	Carbon materials for chemical capacitive energy storage. <i>Advanced Materials</i> , 2011 , 23, 4828-50	24	2273
67	Role of hydrogen in chemical vapor deposition growth of large single-crystal graphene. <i>ACS Nano</i> , 2011 , 5, 6069-76	16.7	700
66	Ordered mesoporous alumina-supported metal oxides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15210-6	16.4	314
65	Soft-templated mesoporous carbon-carbon nanotube composites for high performance lithium-ion batteries. <i>Advanced Materials</i> , 2011 , 23, 4661-6	24	312
64	Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. <i>Chemical Communications</i> , 2010 , 46, 4487-9	5.8	264
63	Large scale atmospheric pressure chemical vapor deposition of graphene. <i>Carbon</i> , 2013 , 54, 58-67	10.4	212
62	Seawater uranium sorbents: preparation from a mesoporous copolymer initiator by atom-transfer radical polymerization. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13458-62	16.4	183
61	Template-free synthesis of hierarchical porous metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9572-5	16.4	169
60	Graphene Nucleation Density on Copper: Fundamental Role of Background Pressure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18919-18926	3.8	162
59	Aqueous proton transfer across single-layer graphene. <i>Nature Communications</i> , 2015 , 6, 6539	17.4	159
58	Nanoscale perturbations of room temperature ionic liquid structure at charged and uncharged interfaces. <i>ACS Nano</i> , 2012 , 6, 9818-27	16.7	137
57	Solid-state synthesis of ordered mesoporous carbon catalysts via a mechanochemical assembly through coordination cross-linking. <i>Nature Communications</i> , 2017 , 8, 15020	17.4	134
56	Tailoring properties of SBA-15 materials by controlling conditions of hydrothermal synthesis. <i>Journal of Materials Chemistry</i> , 2005 , 15, 5049		123
55	Electrical and thermal conductivity of low temperature CVD graphene: the effect of disorder. <i>Nanotechnology</i> , 2011 , 22, 275716	3.4	113
54	Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7920	13	110
53	Structural Origins of Potential Dependent Hysteresis at the Electrified Graphene/Ionic Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 569-574	3.8	96
52	Brick-and-Mortar Self-Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. <i>Advanced Functional Materials</i> , 2011 , 21, 2208-2215	15.6	93

51	Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13486-91	3.6	85
50	Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis. <i>Accounts of Chemical Research</i> , 2015 , 48, 3044-52	24.3	84
49	New Class of Type III Porous Liquids: A Promising Platform for Rational Adjustment of Gas Sorption Behavior. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32-36	9.5	79
48	Low-Temperature Fluorination of Soft-Templated Mesoporous Carbons for a High-Power Lithium/Carbon Fluoride Battery. <i>Chemistry of Materials</i> , 2011 , 23, 4420-4427	9.6	76
47	Synthesis of mesoporous alumina from boehmite in the presence of triblock copolymer. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 588-93	9.5	72
46	Mesoporous metal organic framework-boehmite and silica composites. <i>Chemical Communications</i> , 2010 , 46, 6798-800	5.8	65
45	Fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2012 , 97, 66004	1.6	64
44	Polypyrrole-Based Nitrogen-Doped Carbon Replicas of SBA-15 and SBA-16 Containing Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13126-13133	3.8	63
43	Carbon black reborn: Structure and chemistry for renewable energy harnessing. <i>Carbon</i> , 2020 , 162, 604-609	6.4	60
42	Short-time synthesis of SBA-15 using various silica sources. <i>Journal of Colloid and Interface Science</i> , 2005 , 287, 717-20	9.3	60
41	Interfacial ionic 'liquids': connecting static and dynamic structures. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 032101	1.8	57
40	Distinctive Nanoscale Organization of Dicationic versus Monocationic Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18251-18257	3.8	55
39	Acid-functionalized mesoporous carbon: an efficient support for ruthenium-catalyzed Evalerolactone production. <i>ChemSusChem</i> , 2015 , 8, 2520-8	8.3	51
38	Densification of Ionic Liquid Molecules within a Hierarchical Nanoporous Carbon Structure Revealed by Small-Angle Scattering and Molecular Dynamics Simulation. <i>Chemistry of Materials</i> , 2014 , 26, 1144-1153	9.6	47
37	Ionic liquid derived carbons as highly efficient oxygen reduction catalysts: first elucidation of pore size distribution dependent kinetics. <i>Chemical Communications</i> , 2014 , 50, 1469-71	5.8	46
36	Synthesis of porous, nitrogen-doped adsorption/diffusion carbonaceous membranes for efficient CO ₂ separation. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 452-9	4.8	41
35	Multi-wall carbon nanotube@zeolite imidazolate framework composite from a nanoscale zinc oxide precursor. <i>Microporous and Mesoporous Materials</i> , 2014 , 198, 139-143	5.3	39
34	Synthesis and Characterization of Thiazolium-Based Room Temperature Ionic Liquids for Gas Separations. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 11530-11537	3.9	37

33	An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2013 , 102, 16004	1.6	37
32	Molecular Dynamics Simulation Study of the Capacitive Performance of a Binary Mixture of Ionic Liquids near an Onion-like Carbon Electrode. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2465-9	6.4	35
31	Polymer-coated nanoporous carbons for trace seawater uranium adsorption. <i>Science China Chemistry</i> , 2013 , 56, 1510-1515	7.9	34
30	Phosphorylated mesoporous carbon as effective catalyst for the selective fructose dehydration to HMF. <i>Journal of Energy Chemistry</i> , 2013 , 22, 305-311	12	34
29	Effect of cation on diffusion coefficient of ionic liquids at onion-like carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 284104	1.8	32
28	Strain-Based In Situ Study of Anion and Cation Insertion into Porous Carbon Electrodes with Different Pore Sizes. <i>Advanced Energy Materials</i> , 2014 , 4, 1300683	21.8	31
27	Brick-and-mortar synthesis of free-standing mesoporous carbon nanocomposite membranes as supports of room temperature ionic liquids for CO ₂ separation. <i>Journal of Membrane Science</i> , 2014 , 468, 73-80	9.6	29
26	Hydrothermal Synthesis and Surface Characteristics of Novel Alpha Alumina Nanosheets with Controlled Chemical Composition. <i>Chemistry of Materials</i> , 2010 , 22, 6564-6574	9.6	29
25	A new family of fluidic precursors for the self-templated synthesis of hierarchical nanoporous carbons. <i>Chemical Communications</i> , 2013 , 49, 7289-91	5.8	28
24	Effect of alkyl and aryl substitutions on 1,2,4-triazolium-based ionic liquids for carbon dioxide separation and capture. <i>RSC Advances</i> , 2013 , 3, 3981	3.7	28
23	Free energy relationships in the electrical double layer over single-layer graphene. <i>Journal of the American Chemical Society</i> , 2013 , 135, 979-81	16.4	26
22	Phosphorylated mesoporous carbon as a solid acid catalyst. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2492-4	3.6	25
21	The influence of a hierarchical porous carbon network on the coherent dynamics of a nanoconfined room temperature ionic liquid: A neutron spin echo and atomistic simulation investigation. <i>Carbon</i> , 2014 , 78, 415-427	10.4	21
20	Mesoporous Carbon Materials with Ultra-Thin Pore Walls and Highly Dispersed Nickel Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 605-612	2.3	21
19	Enhanced performance of dicationic ionic liquid electrolytes by organic solvents. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 284105	1.8	20
18	SBA-15-Supported Mixed-Metal Oxides: Partial Hydrolytic Sol-Gel Synthesis, Adsorption, and Structural Properties. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 134-142	9.5	20
17	One-pot synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. <i>Catalysis Today</i> , 2012 , 186, 12-19	5.3	19
16	Towards the selective modification of soft-templated mesoporous carbon materials by elemental fluorine for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9327	13	19

15	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom-Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2013 , 125, 13700-13704	3.6	19
14	Fluorination of Brick and mortar-soft-templated graphitic ordered mesoporous carbons for high power lithium-ion battery. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9414	13	18
13	Porous Liquids: The Next Frontier. <i>CheM</i> , 2020 , 6, 3263-3287	16.2	18
12	Directed synthesis of nanoporous carbons from task-specific ionic liquid precursors for the adsorption of CO ₂ . <i>ChemSusChem</i> , 2014 , 7, 3284-9	8.3	16
11	Interaction of magnesium ions with pristine single-layer and defected graphene/water interfaces studied by second harmonic generation. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 7739-49	3.4	16
10	Magadiite templated high surface area graphene-type carbons from metal-halide based ionic liquids. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 59-62	13	15
9	Standard nitrogen adsorption data for alumina and their use for characterization of mesoporous alumina-based materials. <i>Adsorption</i> , 2013 , 19, 475-481	2.6	11
8	Nanocasting Synthesis of Iron-Doped Mesoporous Al ₂ O ₃ /TiO ₂ Mixed Oxides Using Ordered Mesoporous Carbon Templates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13565-13573	3.8	11
7	Effects of Hydrothermal Treatment and Template Removal on the Adsorption and Structural Properties of SBA-16 Mesoporous Silica. <i>Adsorption Science and Technology</i> , 2007 , 25, 439-449	3.6	8
6	Optimization of synthesis time for SBA-15 materials. <i>Studies in Surface Science and Catalysis</i> , 2005 , 156, 75-82	1.8	5
5	Examining the structure and intermolecular forces of thiazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 327, 114800	6	5
4	Reaction products between sodium diphenyl -amine-4-sulfonate and hydrated LaCl ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2004 , 75, 615-621	4.1	4
3	Oxidative synthesis of yellow photoluminescent carbon nanoribbons from carbon black. <i>Carbon</i> , 2021 , 183, 495-503	10.4	4
2	Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 207-217	2.6	3
1	Templated and Ordered Mesoporous Carbons 2017 , 443-466		