

Pasquale F Fulvio

List of Publications by Year in descending order

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68
papers

8,526
citations

81743

39
h-index

95083

68
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71
all docs

71
docs citations

71
times ranked

13119
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Materials for Chemical Capacitive Energy Storage. <i>Advanced Materials</i> , 2011, 23, 4828-4850.	11.1	2,593
2	Role of Hydrogen in Chemical Vapor Deposition Growth of Large Single-Crystal Graphene. <i>ACS Nano</i> , 2011, 5, 6069-6076.	7.3	792
3	Soft-templated Mesoporous Carbon-Carbon Nanotube Composites for High Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2011, 23, 4661-4666.	11.1	352
4	Ordered Mesoporous Alumina-Supported Metal Oxides. <i>Journal of the American Chemical Society</i> , 2008, 130, 15210-15216.	6.6	346
5	Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. <i>Chemical Communications</i> , 2010, 46, 4487.	2.2	295
6	Large scale atmospheric pressure chemical vapor deposition of graphene. <i>Carbon</i> , 2013, 54, 58-67.	5.4	241
7	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom-Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13458-13462.	7.2	222
8	Aqueous proton transfer across single-layer graphene. <i>Nature Communications</i> , 2015, 6, 6539.	5.8	214
9	Template-Free Synthesis of Hierarchical Porous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2013, 135, 9572-9575.	6.6	200
10	Graphene Nucleation Density on Copper: Fundamental Role of Background Pressure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18919-18926.	1.5	179
11	Solid-state synthesis of ordered mesoporous carbon catalysts via a mechanochemical assembly through coordination cross-linking. <i>Nature Communications</i> , 2017, 8, 15020.	5.8	164
12	Carbon black reborn: Structure and chemistry for renewable energy harnessing. <i>Carbon</i> , 2020, 162, 604-649.	5.4	156
13	Nanoscale Perturbations of Room Temperature Ionic Liquid Structure at Charged and Uncharged Interfaces. <i>ACS Nano</i> , 2012, 6, 9818-9827.	7.3	151
14	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.	4.0	142
15	Tailoring properties of SBA-15 materials by controlling conditions of hydrothermal synthesis. <i>Journal of Materials Chemistry</i> , 2005, 15, 5049.	6.7	133
16	Electrical and thermal conductivity of low temperature CVD graphene: the effect of disorder. <i>Nanotechnology</i> , 2011, 22, 275716.	1.3	132
17	Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7920.	5.2	120
18	Structural Origins of Potential Dependent Hysteresis at the Electrified Graphene/Ionic Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 569-574.	1.5	111

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19	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.	3.2	102
20	Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis. <i>Accounts of Chemical Research</i> , 2015, 48, 3044-3052.	7.6	99
21	Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13486.	1.3	98
22	"Brick-and-Mortar" Self-Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. <i>Advanced Functional Materials</i> , 2011, 21, 2208-2215.	7.8	98
23	Synthesis of Mesoporous Alumina from Boehmite in the Presence of Triblock Copolymer. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 588-593.	4.0	81
24	Fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2012, 97, 66004.	0.7	75
25	Mesoporous metal organic framework-boehmite and silica composites. <i>Chemical Communications</i> , 2010, 46, 6798.	2.2	74
26	Short-time synthesis of SBA-15 using various silica sources. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 717-720.	5.0	70
27	Interfacial ionic liquids™: connecting static and dynamic structures. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 032101.	0.7	67
28	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.	1.5	66
29	Distinctive Nanoscale Organization of Dicationic versus Monocationic Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18251-18257.	1.5	66
30	Acid-Functionalized Mesoporous Carbon: An Efficient Support for Ruthenium-Catalyzed γ -Valerolactone Production. <i>ChemSusChem</i> , 2015, 8, 2520-2528.	3.6	58
31	Porous Liquids: The Next Frontier. <i>CheM</i> , 2020, 6, 3263-3287.	5.8	57
32	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.	3.2	55
33	Ionic liquid derived carbons as highly efficient oxygen reduction catalysts: first elucidation of pore size distribution dependent kinetics. <i>Chemical Communications</i> , 2014, 50, 1469-1471.	2.2	49
34	Synthesis of Porous, Nitrogen-Doped Adsorption/Diffusion Carbonaceous Membranes for Efficient CO ₂ Separation. <i>Macromolecular Rapid Communications</i> , 2013, 34, 452-459.	2.0	46
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.	2.2	46
36	Synthesis and Characterization of Thiazolium-Based Room Temperature Ionic Liquids for Gas Separations. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11530-11537.	1.8	44

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37	Polymer-coated nanoporous carbons for trace seawater uranium adsorption. <i>Science China Chemistry</i> , 2013, 56, 1510-1515.	4.2	44
38	Phosphorylated mesoporous carbon as effective catalyst for the selective fructose dehydration to HMF. <i>Journal of Energy Chemistry</i> , 2013, 22, 305-311.	7.1	44
39	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, 2465-2469.	2.1	42
40	An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. <i>Europhysics Letters</i> , 2013, 102, 16004.	0.7	40
41	Effect of cation on diffusion coefficient of ionic liquids at onion-like carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284104.	0.7	40
42	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.	10.2	39
43	Brick-and-mortar-synthesis of free-standing mesoporous carbon nanocomposite membranes as supports of room temperature ionic liquids for CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2014, 468, 73-80.	4.1	32
44	Hydrothermal Synthesis and Surface Characteristics of Novel Alpha Alumina Nanosheets with Controlled Chemical Composition. <i>Chemistry of Materials</i> , 2010, 22, 6564-6574.	3.2	31
45	A new family of fluidic precursors for the self-templated synthesis of hierarchical nanoporous carbons. <i>Chemical Communications</i> , 2013, 49, 7289.	2.2	29
46	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.	1.7	29
47	Free Energy Relationships in the Electrical Double Layer over Single-Layer Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 979-981.	6.6	28
48	Phosphorylated mesoporous carbon as a solid acid catalyst. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2492-2494.	1.3	26
49	Enhanced performance of dicationic ionic liquid electrolytes by organic solvents. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284105.	0.7	24
50	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.	5.4	24
51	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.	5.2	23
52	One-pot-synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. <i>Catalysis Today</i> , 2012, 186, 12-19.	2.2	22
53	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.	5.2	22
54	Mesoporous Carbon Materials with Ultra-Thin Pore Walls and Highly Dispersed Nickel Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 605-612.	1.0	21

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55	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.	4.0	21
56	Directed Synthesis of Nanoporous Carbons from Task-Specific Ionic Liquid Precursors for the Adsorption of CO ₂ . <i>ChemSusChem</i> , 2014, 7, 3284-3289.	3.6	21
57	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, 7739-7749.	1.2	18
58	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.	5.2	15
59	Standard nitrogen adsorption data for γ -alumina and their use for characterization of mesoporous alumina-based materials. <i>Adsorption</i> , 2013, 19, 475-481.	1.4	13
60	Nanocasting Synthesis of Iron-Doped Mesoporous Al-Ti Mixed Oxides Using Ordered Mesoporous Carbon Templates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13565-13573.	1.5	12
61	Examining the structure and intermolecular forces of thiazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 327, 114800.	2.3	11
62	Oxidative synthesis of yellow photoluminescent carbon nanoribbons from carbon black. <i>Carbon</i> , 2021, 183, 495-503.	5.4	11
63	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.	1.5	9
64	Optimization of synthesis time for SBA-15 materials. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 75-82.	1.5	6
65	Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 207-217.	1.2	5
66	Reaction products between sodium diphenyl -amine-4-sulfonate and hydrated LaCl ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 75, 615-621.	2.0	4
67	Nanocrystalline Diamond. , 2013, , 267-294.		0
68	Templated and Ordered Mesoporous Carbons. , 2017, , 443-466.		0