# Pasquale F Fulvio

## List of Publications by Year in Descending Order



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| 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 | Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. *Journal of Solid State Electrochemistry*, **2021**, 25, 207-217 | 2.6 | 3 |
| 67 | Examining the structure and intermolecular forces of thiazolium-based ionic liquids. *Journal of Molecular Liquids*, **2021**, 327, 114800 | 6 | 5 |
| 66 | Oxidative synthesis of yellow photoluminescent carbon nanoribbons from carbon black. *Carbon*, **2021**, 183, 495-503 | 10.4 | 4 |
| 65 | Carbon black reborn: Structure and chemistry for renewable energy harnessing. *Carbon*, **2020**, 162, 604-649 | 10.4 | 60 |
| 64 | Porous Liquids: The Next Frontier. *CheM*, **2020**, 6, 3263-3287 | 16.2 | 18 |
| 63 | New Class of Type III Porous Liquids: A Promising Platform for Rational Adjustment of Gas Sorption Behavior. *ACS Applied Materials & Interfaces*, **2018**, 10, 32-36 | 9.5 | 79 |
| 62 | Solid-state synthesis of ordered mesoporous carbon catalysts via a mechanochemical assembly through coordination cross-linking. *Nature Communications*, **2017**, 8, 15020 | 17.4 | 134 |
| 61 | Templated and Ordered Mesoporous Carbons **2017**, 443-466 | | |
| 60 | Aqueous proton transfer across single-layer graphene. *Nature Communications*, **2015**, 6, 6539 | 17.4 | 159 |
| 59 | Acid-functionalized mesoporous carbon: an efficient support for ruthenium-catalyzed γ-valerolactone production. *ChemSusChem*, **2015**, 8, 2520-8 | 8.3 | 51 |
| 58 | Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis. *Accounts of Chemical Research*, **2015**, 48, 3044-52 | 24.3 | 84 |
| 57 | Interfacial ionic 'liquids': connecting static and dynamic structures. *Journal of Physics Condensed Matter*, **2015**, 27, 032101 | 1.8 | 57 |
| 56 | Structural Origins of Potential Dependent Hysteresis at the Electrified Graphene/Ionic Liquid Interface. *Journal of Physical Chemistry C*, **2014**, 118, 569-574 | 3.8 | 96 |
| 55 | Densification of Ionic Liquid Molecules within a Hierarchical Nanoporous Carbon Structure Revealed by Small-Angle Scattering and Molecular Dynamics Simulation. *Chemistry of Materials*, **2014**, 26, 1144-1153 | 9.6 | 47 |
| 54 | Directed synthesis of nanoporous carbons from task-specific ionic liquid precursors for the adsorption of CO2. *ChemSusChem*, **2014**, 7, 3284-9 | 8.3 | 16 |
| 53 | Ionic liquid derived carbons as highly efficient oxygen reduction catalysts: first elucidation of pore size distribution dependent kinetics. *Chemical Communications*, **2014**, 50, 1469-71 | 5.8 | 46 |
| 52 | Enhanced performance of dicationic ionic liquid electrolytes by organic solvents. *Journal of Physics Condensed Matter*, **2014**, 26, 284105 | 1.8 | 20 |

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| 51 | Interaction of magnesium ions with pristine single-layer and defected graphene/water interfaces studied by second harmonic generation. *Journal of Physical Chemistry B*, **2014**, 118, 7739-49 | 3.4 | 16 |
| 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. *Carbon*, **2014**, 78, 415-427 | 10.4 | 21 |
| 49 | Multi-wall carbon nanotube@zeolite imidazolate framework composite from a nanoscale zinc oxide precursor. *Microporous and Mesoporous Materials*, **2014**, 198, 139-143 | 5.3 | 39 |
| 48 | Effect of cation on diffusion coefficient of ionic liquids at onion-like carbon electrodes. *Journal of Physics Condensed Matter*, **2014**, 26, 284104 | 1.8 | 32 |
| 47 | Strain-Based In Situ Study of Anion and Cation Insertion into Porous Carbon Electrodes with Different Pore Sizes. *Advanced Energy Materials*, **2014**, 4, 1300683 | 21.8 | 31 |
| 46 | Brick-and-mortar synthesis of free-standing mesoporous carbon nanocomposite membranes as supports of room temperature ionic liquids for CO2N2 separation. *Journal of Membrane Science*, **2014**, 468, 73-80 | 9.6 | 29 |
| 45 | A new family of fluidic precursors for the self-templated synthesis of hierarchical nanoporous carbons. *Chemical Communications*, **2013**, 49, 7289-91 | 5.8 | 28 |
| 44 | Graphene Nucleation Density on Copper: Fundamental Role of Background Pressure. *Journal of Physical Chemistry C*, **2013**, 117, 18919-18926 | 3.8 | 162 |
| 43 | Seawater uranium sorbents: preparation from a mesoporous copolymer initiator by atom-transfer radical polymerization. *Angewandte Chemie - International Edition*, **2013**, 52, 13458-62 | 16.4 | 183 |
| 42 | Polymer-coated nanoporous carbons for trace seawater uranium adsorption. *Science China Chemistry*, **2013**, 56, 1510-1515 | 7.9 | 34 |
| 41 | Effect of alkyl and aryl substitutions on 1,2,4-triazolium-based ionic liquids for carbon dioxide separation and capture. *RSC Advances*, **2013**, 3, 3981 | 3.7 | 28 |
| 40 | Fluorination of Brick and mortar soft-templated graphitic ordered mesoporous carbons for high power lithium-ion battery. *Journal of Materials Chemistry A*, **2013**, 1, 9414 | 13 | 18 |
| 39 | Magadiite templated high surface area graphene-type carbons from metal-halide based ionic liquids. *Journal of Materials Chemistry A*, **2013**, 1, 59-62 | 13 | 15 |
| 38 | Synthesis of porous, nitrogen-doped adsorption/diffusion carbonaceous membranes for efficient CO2 separation. *Macromolecular Rapid Communications*, **2013**, 34, 452-9 | 4.8 | 41 |
| 37 | Free energy relationships in the electrical double layer over single-layer graphene. *Journal of the American Chemical Society*, **2013**, 135, 979-81 | 16.4 | 26 |
| 36 | Large scale atmospheric pressure chemical vapor deposition of graphene. *Carbon*, **2013**, 54, 58-67 | 10.4 | 212 |
| 35 | Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. *Journal of Materials Chemistry A*, **2013**, 1, 7920 | 13 | 110 |
| 34 | Template-free synthesis of hierarchical porous metal-organic frameworks. *Journal of the American Chemical Society*, **2013**, 135, 9572-5 | 16.4 | 169 |

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| 33 | Towards the selective modification of soft-templated mesoporous carbon materials by elemental fluorine for energy storage devices. *Journal of Materials Chemistry A*, **2013**, 1, 9327 | 13 | 19 |
| 32 | Phosphorylated mesoporous carbon as effective catalyst for the selective fructose dehydration to HMF. *Journal of Energy Chemistry*, **2013**, 22, 305-311 | 12 | 34 |
| 31 | Distinctive Nanoscale Organization of Dicationic versus Monocationic Ionic Liquids. *Journal of Physical Chemistry C*, **2013**, 117, 18251-18257 | 3.8 | 55 |
| 30 | Standard nitrogen adsorption data for γ-alumina and their use for characterization of mesoporous alumina-based materials. *Adsorption*, **2013**, 19, 475-481 | 2.6 | 11 |
| 29 | An unusual slowdown of fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. *Europhysics Letters*, **2013**, 102, 16004 | 1.6 | 37 |
| 28 | Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom-Transfer Radical Polymerization. *Angewandte Chemie*, **2013**, 125, 13700-13704 | 3.6 | 19 |
| 27 | Nanoscale perturbations of room temperature ionic liquid structure at charged and uncharged interfaces. *ACS Nano*, **2012**, 6, 9818-27 | 16.7 | 137 |
| 26 | Molecular Dynamics Simulation Study of the Capacitive Performance of a Binary Mixture of Ionic Liquids near an Onion-like Carbon Electrode. *Journal of Physical Chemistry Letters*, **2012**, 3, 2465-9 | 6.4 | 35 |
| 25 | Fast diffusion in a room temperature ionic liquid confined in mesoporous carbon. *Europhysics Letters*, **2012**, 97, 66004 | 1.6 | 64 |
| 24 | Synthesis and Characterization of Thiazolium-Based Room Temperature Ionic Liquids for Gas Separations. *Industrial & Engineering Chemistry Research*, **2012**, 51, 11530-11537 | 3.9 | 37 |
| 23 | One-pot synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. *Catalysis Today*, **2012**, 186, 12-19 | 5.3 | 19 |
| 22 | Electrical and thermal conductivity of low temperature CVD graphene: the effect of disorder. *Nanotechnology*, **2011**, 22, 275716 | 3.4 | 113 |
| 21 | Low-Temperature Fluorination of Soft-Templated Mesoporous Carbons for a High-Power Lithium/Carbon Fluoride Battery. *Chemistry of Materials*, **2011**, 23, 4420-4427 | 9.6 | 76 |
| 20 | Phosphorylated mesoporous carbon as a solid acid catalyst. *Physical Chemistry Chemical Physics*, **2011**, 13, 2492-4 | 3.6 | 25 |
| 19 | Role of hydrogen in chemical vapor deposition growth of large single-crystal graphene. *ACS Nano*, **2011**, 5, 6069-76 | 16.7 | 700 |
| 18 | Brick-and-Mortar Self-Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. *Advanced Functional Materials*, **2011**, 21, 2208-2215 | 15.6 | 93 |
| 17 | Carbon materials for chemical capacitive energy storage. *Advanced Materials*, **2011**, 23, 4828-50 | 24 | 2273 |
| 16 | Soft-templated mesoporous carbon-carbon nanotube composites for high performance lithium-ion batteries. *Advanced Materials*, **2011**, 23, 4661-6 | 24 | 312 |

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| 15 | Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. *Physical Chemistry Chemical Physics*, **2011**, 13, 13486-91 | 3.6 | 85 |
| 14 | Hydrothermal Synthesis and Surface Characteristics of Novel Alpha Alumina Nanosheets with Controlled Chemical Composition. *Chemistry of Materials*, **2010**, 22, 6564-6574 | 9.6 | 29 |
| 13 | Synthesis of mesoporous alumina from boehmite in the presence of triblock copolymer. *ACS Applied Materials & Interfaces*, **2010**, 2, 588-93 | 9.5 | 72 |
| 12 | SBA-15-Supported Mixed-Metal Oxides: Partial Hydrolytic Sol□el Synthesis, Adsorption, and Structural Properties. *ACS Applied Materials & Interfaces*, **2010**, 2, 134-142 | 9.5 | 20 |
| 11 | Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. *Chemical Communications*, **2010**, 46, 4487-9 | 5.8 | 264 |
| 10 | Mesoporous metal organic framework-boehmite and silica composites. *Chemical Communications*, **2010**, 46, 6798-800 | 5.8 | 65 |
| 9 | Mesoporous Carbon Materials with Ultra-Thin Pore Walls and Highly Dispersed Nickel Nanoparticles. *European Journal of Inorganic Chemistry*, **2009**, 2009, 605-612 | 2.3 | 21 |
| 8 | Nanocasting Synthesis of Iron-Doped Mesoporous Al□i Mixed Oxides Using Ordered Mesoporous Carbon Templates. *Journal of Physical Chemistry C*, **2009**, 113, 13565-13573 | 3.8 | 11 |
| 7 | Polypyrrole-Based Nitrogen-Doped Carbon Replicas of SBA-15 and SBA-16 Containing Magnetic Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 13126-13133 | 3.8 | 63 |
| 6 | Ordered mesoporous alumina-supported metal oxides. *Journal of the American Chemical Society*, **2008**, 130, 15210-6 | 16.4 | 314 |
| 5 | Effects of Hydrothermal Treatment and Template Removal on the Adsorption and Structural Properties of SBA-16 Mesoporous Silica. *Adsorption Science and Technology*, **2007**, 25, 439-449 | 3.6 | 8 |
| 4 | Tailoring properties of SBA-15 materials by controlling conditions of hydrothermal synthesis. *Journal of Materials Chemistry*, **2005**, 15, 5049 | | 123 |
| 3 | Short-time synthesis of SBA-15 using various silica sources. *Journal of Colloid and Interface Science*, **2005**, 287, 717-20 | 9.3 | 60 |
| 2 | Optimization of synthesis time for SBA-15 materials. *Studies in Surface Science and Catalysis*, **2005**, 156, 75-82 | 1.8 | 5 |
| 1 | Reaction products between sodium diphenyl -amine-4-sulfonate and hydrated LaCl3. *Journal of Thermal Analysis and Calorimetry*, **2004**, 75, 615-621 | 4.1 | 4 |