Julio M D'arcy

List of Publications by Year
in descending order

26 papers	1,568 citations	516710 16 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2451 citing authors

#	Article	IF	Citations
1	Conducting Polymers for Pseudocapacitive Energy Storage. Chemistry of Materials, 2016, 28, 5989-5998.	6.7	389
2	The oxidation of aniline to produce â€œpolyanilineâ€: a process yielding many different nanoscale structures. Journal of Materials Chemistry, 2011, 21, 3534-3550.	6.7	269
3	Vapor-Phase Polymerization of Nanofibrillar Poly(3,4-ethylenedioxythiophene) for Supercapacitors. ACS Nano, 2014, 8, 1500-1510.	14.6	217
4	A Templateâ€Free Route to Polypyrrole Nanofibers. Macromolecular Rapid Communications, 2007, 28, 2289-2293.	3.9	89
5	Substituted Polyaniline Nanofibers Produced via Rapid Initiated Polymerization. Macromolecules, 2008, 41, 7405-7410.	4.8	80
6	Energy storing bricks for stationary PEDOT supercapacitors. Nature Communications, 2020, 11, 3882.	12.8	67
7	Versatile solution for growing thin films of conducting polymers. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19673-19678.	7.1	52
8	Low-temperature vapour phase polymerized polypyrrole nanobrushes for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 11772-11780.	10.3	51
9	Evaluation and Stability of PEDOT Polymer Electrodes for Liâ€“O₂ Batteries. Journal of Physical Chemistry Letters, 2016, 7, 3770-3775.	4.6	49
10	Studying Electrical Conductivity Using a 3D Printed Four-Point Probe Station. Journal of Chemical Education, 2017, 94, 950-955.	2.3	34
11	Converting Rust to PEDOT Nanofibers for Supercapacitors. ACS Applied Energy Materials, 2019, 2, 3435-3444.	5.1	33
12	Direct Conversion of Fe₂O₃ to 3D Nanofibrillar PEDOT Microsupercapacitors. Advanced Functional Materials, 2020, 30, 2003394.	14.9	30
13	Enhancing Cycling Stability of Aqueous Polyaniline Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2016, 8, 29452-29460.	8.0	29
14	Solid-State Precursor Impregnation for Enhanced Capacitance in Hierarchical Flexible Poly(3,4-Ethylenedioxythiophene) Supercapacitors. ACS Nano, 2021, 15, 7799-7810.	14.6	27
15	Metal Oxide-Assisted PEDOT Nanostructures via Hydrolysis-Assisted Vapor-Phase Polymerization for Energy Storage. ACS Applied Nano Materials, 2018, 1, 1219-1227.	5.0	22
16	Condensing Vapor Phase Polymerization (CVPP) of Electrochemically Capacitive and Stable Polypyrrole Microtubes. ACS Applied Materials & Interfaces, 2017, 9, 41496-41504.	8.0	19
17	Ultrahigh stability of high-power nanofibrillar PEDOT supercapacitors. Sustainable Energy and Fuels, 2017, 1, 482-491.	4.9	17
18	Kirigami electrodes of conducting polymer nanofibers for wearable humidity dosimeters and stretchable supercapacitors. Journal of Materials Chemistry A, 2021, 9, 9849-9857.	10.3	15

#	Article	IF	Citations
19	Vapor/liquid polymerization of ultraporous transparent and capacitive polypyrrole nanonets. Nanoscale, 2019, 11, 12358-12369.	5.6	14
20	Aligned carbon nanotube, graphene and graphite oxide thin films via substrate-directed rapid interfacial deposition. Nanoscale, 2012, 4, 3075.	5.6	13
21	Synthesis of Submicron PEDOT Particles of High Electrical Conductivity via Continuous Aerosol Vapor Polymerization. ACS Applied Materials & Interfaces, 2019, 11, 47320-47329.	8.0	13
22	Microtubular PEDOT-Coated Bricks for Atmospheric Water Harvesting. ACS Applied Materials & Interfaces, 2021, 13, 34671-34678.	8.0	12
23	Single PEDOT Catalyst Boosts CO₂ Photoreduction Efficiency. ACS Central Science, 2021, 7, 1668-1675.	11.3	12
24	Self-woven nanofibrillar PEDOT mats for impact-resistant supercapacitors. Sustainable Energy and Fuels, 2019, 3, 1154-1162.	4.9	9
25	Spectroscopic investigations of electron and hole dynamics in MAPbBr₃ perovskite film and carrier extraction to PEDOT hole transport layer. Physical Chemistry Chemical Physics, 2021, 23, 13011-13022.	2.8	6
26	Microsupercapacitors: Direct Conversion of Fe₂O₃ to 3D Nanofibrillar PEDOT Microsupercapacitors (Adv. Funct. Mater. 32/2020). Advanced Functional Materials, 2020, 30, 2070217.	14.9	0