

Manrico Fabretto

List of Publications by Year in descending order

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44
papers

2,743
citations

218677

26
h-index

233421

45
g-index

45
all docs

45
docs citations

45
times ranked

3469
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-metallic polymers. <i>Nature Materials</i> , 2014, 13, 190-194.	27.5	722
2	Polymeric Material with Metal-Like Conductivity for Next Generation Organic Electronic Devices. <i>Chemistry of Materials</i> , 2012, 24, 3998-4003.	6.7	224
3	Condensation and freezing of droplets on superhydrophobic surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 210, 47-57.	14.7	223
4	Pure silicon thin-film anodes for lithium-ion batteries: A review. <i>Journal of Power Sources</i> , 2019, 414, 48-67.	7.8	147
5	Recent advances in the synthesis of conducting polymers from the vapour phase. <i>Progress in Materials Science</i> , 2017, 86, 127-146.	32.8	115
6	The role of water in the synthesis and performance of vapour phase polymerised PEDOT electrochromic devices. <i>Journal of Materials Chemistry</i> , 2009, 19, 7871.	6.7	95
7	Vacuum vapour phase polymerization of high conductivity PEDOT: Role of PEG-PPG-PEG, the origin of water, and choice of oxidant. <i>Polymer</i> , 2012, 53, 2146-2151.	3.8	88
8	Structure-directed growth of high conductivity PEDOT from liquid-like oxidant layers during vacuum vapor phase polymerization. <i>Journal of Materials Chemistry</i> , 2012, 22, 14889.	6.7	84
9	Improved PEDOT Conductivity via Suppression of Crystallite Formation in Fe(III) Tosylate During Vapor Phase Polymerization. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1503-1508.	3.9	82
10	High conductivity PEDOT resulting from glycol/oxidant complex and glycol/polymer intercalation during vacuum vapour phase polymerisation. <i>Polymer</i> , 2011, 52, 1725-1730.	3.8	73
11	High Conductivity PEDOT Using Humidity Facilitated Vacuum Vapour Phase Polymerisation. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1403-1409.	3.9	72
12	Inkjet printing and vapor phase polymerization: patterned conductive PEDOT for electronic applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3353.	5.5	56
13	Influence of PEG-ran</i>-PPG Surfactant on Vapour Phase Polymerised PEDOT Thin Films. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1846-1851.	3.9	51
14	Vacuum vapour phase polymerised poly(3,4-ethylenedioxythiophene) thin films for use in large-scale electrochromic devices. <i>Thin Solid Films</i> , 2011, 519, 2544-2549.	1.8	47
15	Ultrathin Polymer Films for Transparent Electrode Applications Prepared by Controlled Nucleation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11654-11660.	8.0	43
16	Flexible Polymer-on-Polymer Architecture for Piezo/Pyroelectric Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8465-8471.	8.0	41
17	Doped and reactive silicon thin film anodes for lithium ion batteries: A review. <i>Journal of Power Sources</i> , 2021, 506, 230194.	7.8	40
18	Colouration efficiency measurements in electrochromic polymers: The importance of charge density. <i>Electrochemistry Communications</i> , 2007, 9, 2032-2036.	4.7	34

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19	In-situ QCM-D analysis reveals four distinct stages during vapour phase polymerisation of PEDOT thin films. <i>Polymer</i> , 2010, 51, 1737-1743.	3.8	34
20	Metal-free oxygen reduction electrodes based on thin PEDOT films with high electrocatalytic activity. <i>RSC Advances</i> , 2014, 4, 9819.	3.6	34
21	Gel electrolytes with ionic liquid plasticiser for electrochromic devices. <i>Electrochimica Acta</i> , 2011, 56, 4408-4413.	5.2	33
22	Evidence for "bottom up"™ growth during vapor phase polymerization of conducting polymers. <i>Polymer</i> , 2014, 55, 3458-3460.	3.8	32
23	WETTABILITY AND SURFACE ENERGETICS OF ROUGH FLUOROPOLYMER SURFACES. <i>Journal of Adhesion</i> , 2004, 80, 497-520.	3.0	31
24	Using oxygen plasma treatment to improve the performance of electrodes for capacitive water deionization. <i>Electrochimica Acta</i> , 2013, 106, 494-499.	5.2	31
25	Cell attachment and proliferation on high conductivity PEDOT-glycol composites produced by vapour phase polymerisation. <i>Biomaterials Science</i> , 2013, 1, 368-378.	5.4	31
26	The mechanism of conductivity enhancement in poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonic) acid using linear-diol additives: Its effect on electrochromic performance. <i>Thin Solid Films</i> , 2008, 516, 7828-7835.	1.8	29
27	Measurement Protocols for Reporting PEDOT Thin Film Conductivity and Optical Transmission: A Critical Survey. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2173-2180.	2.2	26
28	Vapor Phase Synthesis of Conducting Polymer Nanocomposites Incorporating 2D Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 4207-4213.	6.7	26
29	Effect of oxidant on the performance of conductive polymer films prepared by vacuum vapor phase polymerization for smart window applications. <i>Smart Materials and Structures</i> , 2015, 24, 035016.	3.5	24
30	Diffuse color patterning using blended electrochromic polymers for proof-of-concept adaptive camouflage plaques. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	19
31	Faradaic charge corrected colouration efficiency measurements for electrochromic devices. <i>Electrochimica Acta</i> , 2008, 53, 2250-2257.	5.2	18
32	Extending the Utility of Conducting Polymers through Chemisorption of Nucleophiles. <i>Chemistry of Materials</i> , 2013, 25, 1837-1841.	6.7	18
33	Enhancing the morphology and electrochromic stability of polypyrrole via PEG-PPG-PEG templating in vapour phase polymerisation. <i>European Polymer Journal</i> , 2014, 51, 28-36.	5.4	18
34	Insights into the Oxidant/Polymer Interfacial Growth of Vapor Phase Polymerized PEDOT Thin Films. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800594.	3.7	16
35	Organic energy devices from ionic liquids and conducting polymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1550-1556.	5.5	15
36	Compressively Stressed Silicon Nanoclusters as an Antifracture Mechanism for High-Performance Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39195-39204.	8.0	11

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37	The effect of block copolymer additives for a highly active polymeric metal-free oxygen reduction electrode. RSC Advances, 2016, 6, 28809-28814.	3.6	9
38	Influence of Postsynthesis Heat Treatment on Vapor-Phase-Polymerized Conductive Polymers. ACS Omega, 2018, 3, 12679-12687.	3.5	9
39	Binary silicon-based thin-film anodes for lithium-ion batteries: A review. Journal of Power Sources, 2022, 520, 230871.	7.8	9
40	Market evaluation, performance modelling and materials solution addressing short wavelength discomfort glare in rear view automotive mirrors. Translational Materials Research, 2015, 2, 035002.	1.2	6
41	Effect of vinylene carbonate electrolyte additive and battery cycling protocol on the electrochemical and cyclability performance of silicon thin-film anodes. Journal of Energy Storage, 2022, 46, 103868.	8.1	6
42	Contact angle measurements using the Wilhelmy balance for asymmetrically treated samples. Journal of Adhesion Science and Technology, 2004, 18, 29-37.	2.6	5
43	Optical coatings for automotive applications: a case study in translating fundamental materials science into commercial reality. Translational Materials Research, 2014, 1, 025001.	1.2	4
44	Physical Vapor Deposition Cluster Arrival Energy Enhances the Electrochemical Performance of Silicon Thin-Film Anodes for Li-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 12243-12256.	5.1	3