Robert Brooke

List of Publications by Year
in descending order

32 papers	1,301 citations	361413 20 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1746 citing authors

#	Article	IF	Citations
1	Significant Electronic Thermal Transport in the Conducting Polymer Poly(3,4â€ethylenedioxythiophene). Advanced Materials, 2015, 27, 2101-2106.	21.0	176
2	Acido-basic control of the thermoelectric properties of poly(3,4-ethylenedioxythiophene)tosylate (PEDOT-Tos) thin films. Journal of Materials Chemistry C, 2015, 3, 10616-10623.	5.5	147
3	Recent advances in the synthesis of conducting polymers from the vapour phase. Progress in Materials Science, 2017, 86, 127-146.	32.8	115
4	Infrared electrochromic conducting polymer devices. Journal of Materials Chemistry C, 2017, 5, 5824-5830.	5.5	94
5	Bulk electronic transport impacts on electron transfer at conducting polymer electrodeâ€“electrolyte interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11899-11904.	7.1	61
6	Inkjet printing and vapor phase polymerization: patterned conductive PEDOT for electronic applications. Journal of Materials Chemistry C, 2013, 1, 3353.	5.5	56
7	Freestanding electrochromic paper. Journal of Materials Chemistry C, 2016, 4, 9680-9686.	5.5	53
8	Spray-coated paper supercapacitors. Npj Flexible Electronics, 2020, 4, .	10.7	50
9	Poly(3,4-ethylenedioxythiophene)-tosylate (PEDOT-Tos) electrodes in thermogalvanic cells. Journal of Materials Chemistry A, 2017, 5, 19619-19625.	10.3	44
10	Vapor phase synthesized poly(3,4-ethylenedioxythiophene)-trifluoromethanesulfonate as a transparent conductor material. Journal of Materials Chemistry A, 2018, 6, 21304-21312.	10.3	37
11	Controlling the electrochromic properties of conductive polymers using UV-light. Journal of Materials Chemistry C, 2018, 6, 4663-4670.	5.5	36
12	On the anomalous optical conductivity dispersion of electrically conducting polymers: ultra-wide spectral range ellipsometry combined with a Drudeâ€“Lorentz model. Journal of Materials Chemistry C, 2019, 7, 4350-4362.	5.5	36
13	Evidence for â€˜bottom upâ€™ growth during vapor phase polymerization of conducting polymers. Polymer, 2014, 55, 3458-3460.	3.8	32
14	Laser-induced graphitization of a forest-based ink for use in flexible and printed electronics. Npj Flexible Electronics, 2020, 4, .	10.7	32
15	Patterning and Conductivity Modulation of Conductive Polymers by UV Light Exposure. Advanced Functional Materials, 2016, 26, 6950-6960.	14.9	31
16	Effect of oxidant on the performance of conductive polymer films prepared by vacuum vapor phase polymerization for smart window applications. Smart Materials and Structures, 2015, 24, 035016.	3.5	24
17	Hydrophilic Organic Electrodes on Flexible Hydrogels. ACS Applied Materials & Interfaces, 2016, 8, 974-982.	8.0	23
18	Improving the Performance of Paper Supercapacitors Using Redox Molecules from Plants. Advanced Sustainable Systems, 2019, 3, 1900050.	5.3	23

#	Article	IF	Citations
19	Greyscale and Paper Electrochromic Polymer Displays by UV Patterning. Polymers, 2019, 11, 267.	4.5	23
20	Large-scale paper supercapacitors on demand. Journal of Energy Storage, 2022, 50, 104191.	8.1	23
21	Unraveling vertical inhomogeneity in vapour phase polymerized PEDOT:Tos films. Journal of Materials Chemistry A, 2020, 8, 18726-18734.	10.3	22
22	Printable carbon-based supercapacitors reinforced with cellulose and conductive polymers. Journal of Energy Storage, 2022, 50, 104224.	8.1	22
23	Supercapacitors on demand: all-printed energy storage devices with adaptable design. Flexible and Printed Electronics, 2019, 4, 015006.	2.7	21
24	Diffuse color patterning using blended electrochromic polymers for proofâ€ofâ€concept adaptive camouflage plaques. Journal of Applied Polymer Science, 2015, 132, .	2.6	19
25	Enhancing the morphology and electrochromic stability of polypyrrole via PEGâ€“PPGâ€“PEG templating in vapour phase polymerisation. European Polymer Journal, 2014, 51, 28-36.	5.4	18
26	Twinning Lignosulfonate with a Conducting Polymer via Counterâ€Ion Exchange for Largeâ€Scale Electrical Storage. Advanced Sustainable Systems, 2019, 3, 1900039.	5.3	17
27	Combining Vapor Phase Polymerization and Screen Printing for Printed Electronics on Flexible Substrates. Advanced Materials Technologies, 2022, 7, 2101665.	5.8	16
28	Organic energy devices from ionic liquids and conducting polymers. Journal of Materials Chemistry C, 2016, 4, 1550-1556.	5.5	15
29	Ultrathin Paper Microsupercapacitors for Electronic Skin Applications. Advanced Materials Technologies, 2022, 7, .	5.8	15
30	Electrochromic Displays Manufactured by a Combination of Vapor Phase Polymerization and Screen Printing. Advanced Materials Technologies, 2022, 7, .	5.8	9
31	Nanocellulose based carbon ink and its application in electrochromic displays and supercapacitors. Flexible and Printed Electronics, 2021, 6, 045011.	2.7	8
32	Upscalable ultra thick rayon carbon felt based hybrid organicâ€inorganic electrodes for high energy density supercapacitors. Energy Storage, 0, , .	4.3	3