

Robert Brooke

List of Publications by Year in descending order

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32
papers

1,301
citations

361413

20
h-index

434195

31
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docs citations

32
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Paper Microsupercapacitors for Electronic Skin Applications. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	15
2	Combining Vapor Phase Polymerization and Screen Printing for Printed Electronics on Flexible Substrates. <i>Advanced Materials Technologies</i> , 2022, 7, 2101665.	5.8	16
3	Electrochromic Displays Manufactured by a Combination of Vapor Phase Polymerization and Screen Printing. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	9
4	Large-scale paper supercapacitors on demand. <i>Journal of Energy Storage</i> , 2022, 50, 104191.	8.1	23
5	Printable carbon-based supercapacitors reinforced with cellulose and conductive polymers. <i>Journal of Energy Storage</i> , 2022, 50, 104224.	8.1	22
6	Nanocellulose based carbon ink and its application in electrochromic displays and supercapacitors. <i>Flexible and Printed Electronics</i> , 2021, 6, 045011.	2.7	8
7	Spray-coated paper supercapacitors. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	50
8	Laser-induced graphitization of a forest-based ink for use in flexible and printed electronics. <i>Npj Flexible Electronics</i> , 2020, 4, .	10.7	32
9	Unraveling vertical inhomogeneity in vapour phase polymerized PEDOT:Tos films. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18726-18734.	10.3	22
10	Improving the Performance of Paper Supercapacitors Using Redox Molecules from Plants. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900050.	5.3	23
11	Twinning Lignosulfonate with a Conducting Polymer via Counterion Exchange for Large-Scale Electrical Storage. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900039.	5.3	17
12	On the anomalous optical conductivity dispersion of electrically conducting polymers: ultra-wide spectral range ellipsometry combined with a Drude-Lorentz model. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4350-4362.	5.5	36
13	Greyscale and Paper Electrochromic Polymer Displays by UV Patterning. <i>Polymers</i> , 2019, 11, 267.	4.5	23
14	Supercapacitors on demand: all-printed energy storage devices with adaptable design. <i>Flexible and Printed Electronics</i> , 2019, 4, 015006.	2.7	21
15	Controlling the electrochromic properties of conductive polymers using UV-light. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4663-4670.	5.5	36
16	Bulk electronic transport impacts on electron transfer at conducting polymer electrode-electrolyte interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11899-11904.	7.1	61
17	Vapor phase synthesized poly(3,4-ethylenedioxythiophene)-trifluoromethanesulfonate as a transparent conductor material. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21304-21312.	10.3	37
18	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

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19	Infrared electrochromic conducting polymer devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5824-5830.	5.5	94
20	Poly(3,4-ethylenedioxythiophene)-tosylate (PEDOT-Tos) electrodes in thermogalvanic cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19619-19625.	10.3	44
21	Freestanding electrochromic paper. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9680-9686.	5.5	53
22	Patterning and Conductivity Modulation of Conductive Polymers by UV Light Exposure. <i>Advanced Functional Materials</i> , 2016, 26, 6950-6960.	14.9	31
23	Organic energy devices from ionic liquids and conducting polymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1550-1556.	5.5	15
24	Hydrophilic Organic Electrodes on Flexible Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 974-982.	8.0	23
25	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
26	Significant Electronic Thermal Transport in the Conducting Polymer Poly(3,4-ethylenedioxythiophene). <i>Advanced Materials</i> , 2015, 27, 2101-2106.	21.0	176
27	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
28	Acido-basic control of the thermoelectric properties of poly(3,4-ethylenedioxythiophene)tosylate (PEDOT-Tos) thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10616-10623.	5.5	147
29	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
30	Evidence for "bottom up"™ growth during vapor phase polymerization of conducting polymers. <i>Polymer</i> , 2014, 55, 3458-3460.	3.8	32
31	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
32	Upscalable ultra thick rayon carbon felt based hybrid organic-inorganic electrodes for high energy density supercapacitors. <i>Energy Storage</i> , 0, , .	4.3	3