Ali Maziz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3623360/publications.pdf

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18 papers	1,065 citations	623734 14 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	1481 citing authors

#	Article	IF	Citations
1	Knitting and weaving artificial muscles. Science Advances, 2017, 3, e1600327.	10.3	278
2	Plasmonic Metasurfaces with Conjugated Polymers for Flexible Electronic Paper in Color. Advanced Materials, 2016, 28, 9956-9960.	21.0	128
3	Demonstrating kHz Frequency Actuation for Conducting Polymer Microactuators. Advanced Functional Materials, 2014, 24, 4851-4859.	14.9	96
4	Actuating Textiles: Next Generation of Smart Textiles. Advanced Materials Technologies, 2018, 3, 1700397.	5.8	93
5	Flexible Solid Polymer Electrolytes Based on Nitrile Butadiene Rubber/Poly(ethylene oxide) Interpenetrating Polymer Networks Containing Either LiTFSI or EMITFSI. Macromolecules, 2011, 44, 9683-9691.	4.8	88
6	Robust solid polymer electrolyte for conducting IPN actuators. Smart Materials and Structures, 2013, 22, 104005.	3.5	79
7	In search of better electroactive polymer actuator materials: PPy versus PEDOT versus PEDOTâ€“PPy composites. Smart Materials and Structures, 2013, 22, 104006.	3.5	76
8	Carbon nanofiber-PEDOT composite films as novel microelectrode for neural interfaces and biosensing. Biosensors and Bioelectronics, 2020, 165, 112413.	10.1	49
9	Top-down Approach for the Direct Synthesis, Patterning, and Operation of Artificial Micromuscles on Flexible Substrates. ACS Applied Materials & Interfaces, 2016, 8, 1559-1564.	8.0	41
10	Progress in conducting polymers for biointerfacing and biorecognition applications. Sensors and Actuators Reports, 2021, 3, 100035.	4.4	35
11	Bottom-up microfabrication process for individually controlled conjugated polymer actuators. Sensors and Actuators B: Chemical, 2016, 230, 818-824.	7.8	27
12	Tuning the properties of silk fibroin biomaterial via chemical cross-linking. Biomedical Physics and Engineering Express, 2018, 4, 065012.	1.2	18
13	Scalable batch fabrication of ultrathin flexible neural probes using a bioresorbable silk layer. Microsystems and Nanoengineering, 2022, 8, 21.	7.0	18
14	Patterning Highly Conducting Conjugated Polymer Electrodes for Soft and Flexible Microelectrochemical Devices. ACS Applied Materials & Interfaces, 2018, 10, 14978-14985.	8.0	15
15	Microelectrodes from PEDOT-carbon nanofiber composite for high performance neural recording, stimulation and neurochemical sensing. MethodsX, 2020, 7, 101106.	1.6	12
16	Electronic Paper: Plasmonic Metasurfaces with Conjugated Polymers for Flexible Electronic Paper in Color (Adv. Mater. 45/2016). Advanced Materials, 2016, 28, 10103-10103.	21.0	5
17	Nanofibrous PEDOT-Carbon Composite on Flexible Probes for Soft Neural Interfacing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 780197.	4.1	5
18	A Top-Down Fabrication Approach For Delivering Implantable and Ultrathin Flexible Brain Probes. , 2022, , .		1