

Whirang Cho

List of Publications by Year in descending order

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21
papers

306
citations

1163117

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21
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly aligned poly(3,4-ethylene dioxythiophene) (PEDOT) nano- and microscale fibers and tubes. <i>Polymer</i> , 2013, 54, 702-708.	3.8	73
2	Nanoarchitecturing of Natural Melanin Nanospheres by Layer-by-Layer Assembly: Macroscale Anti-inflammatory Conductive Coatings with Optoelectronic Tunability. <i>Biomacromolecules</i> , 2017, 18, 1908-1917.	5.4	39
3	Particle Size Distributions for Cellulose Nanocrystals Measured by Transmission Electron Microscopy: An Interlaboratory Comparison. <i>Analytical Chemistry</i> , 2020, 92, 13434-13442.	6.5	29
4	Synthesis and characterization of bicontinuous cubic poly(3,4-ethylene dioxythiophene) gyroid (PEDOT GYR) gels. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5115-5123.	2.8	26
5	High crystallinity of tunicate cellulose nanofibers for high-performance engineering films. <i>Carbohydrate Polymers</i> , 2021, 254, 117470.	10.2	22
6	Soft electronics on asymmetrical porous conducting membranes by molecular layer-by-layer assembly. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 916-925.	7.8	17
7	Targeted Binding of the M13 Bacteriophage to Thiamethoxam Organic Crystals. <i>Langmuir</i> , 2012, 28, 6013-6020.	3.5	16
8	Timed Electrodeposition of PEDOT:Nafion onto Carbon Fiber-Microelectrodes Enhances Dopamine Detection in Zebrafish Retina. <i>Journal of the Electrochemical Society</i> , 2020, 167, 115501.	2.9	15
9	Eco-Degradable and Flexible Solid-State Ionic Conductors by Clay-Nanoconfined DMSO Composites. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900134.	5.3	10
10	Direct Detection of DNA and RNA on Carbon Fiber Microelectrodes Using Fast-Scan Cyclic Voltammetry. <i>ACS Omega</i> , 2021, 6, 6571-6581.	3.5	10
11	A facile method for the preferential alignment of mesochannels in silica films by solution flow. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 136-140.	4.4	8
12	Mechanical enhancement of cellulose nanofibril (CNF) films through the addition of water-soluble polymers. <i>Cellulose</i> , 2021, 28, 6449.	4.9	8
13	Synthesis of porous silica with hierarchical structure directed by a silica precursor carrying a pore-generating cage. <i>Journal of Materials Chemistry</i> , 2008, 18, 4971.	6.7	7
14	Intumescent polydopamine coatings for fire protection. <i>Green Materials</i> , 2020, 8, 162-171.	2.1	7
15	Polymer Modified Carbon Fiber Microelectrodes for Precision Neurotransmitter Metabolite Measurements. <i>Journal of the Electrochemical Society</i> , 2020, 167, 167507.	2.9	6
16	Thermally induced mesophase development in ethanesilica films via macromolecular templating approach. <i>Macromolecular Research</i> , 2009, 17, 697-702.	2.4	4
17	Controlling the Morphology of Organic Crystals with Filamentous Bacteriophages. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15707-15715.	8.0	4
18	The Monitoring of Neurochemical Dynamics in Zebrafish Retina using Fast Scan Cyclic Voltammetry. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	2

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19	High resolution voltammetric and field-effect transistor readout of carbon fiber microelectrode biosensors. <i>Sensors & Diagnostics</i> , 2022, 1, 460-464.	3.8	2
20	Tunable synthesis of hierarchical mesoporous silica via porogen-carrying organosilicates. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 409-415.	4.4	1
21	Carbon Fiber Microelectrode pH Sensors with Voltammetry and Field Effect Transistors. ECS Meeting Abstracts, 2022, MA2022-01, 2229-2229.	0.0	0