

Andrew N Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

586
citations

759233

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h-index

888059

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docs citations

19
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	A Biomass Pyrolysis Oil as a Novel Insect Growth Regulator Mimic for a Variety of Stored Product Beetles. <i>Journal of Economic Entomology</i> , 2022, 115, 877-887.	1.8	2
2	Hybrid Chemomechanical Plastics Recycling: Solvent-free, High-Speed Reactive Extrusion of Low-Density Polyethylene. <i>ChemSusChem</i> , 2021, 14, 4280-4290.	6.8	15
3	Efficacy, economics, and sustainability of bio-based insecticides from thermochemical biorefineries. <i>Green Chemistry</i> , 2021, 23, 10145-10156.	9.0	5
4	Catalytic Hot-Gas Filtration with a Supported Heteropolyacid Catalyst for Preconditioning Biomass Pyrolysis Vapors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14941-14952.	6.7	12
5	Valorization of aqueous waste streams from thermochemical biorefineries. <i>Green Chemistry</i> , 2019, 21, 4217-4230.	9.0	31
6	Message-passing neural networks for high-throughput polymer screening. <i>Journal of Chemical Physics</i> , 2019, 150, 234111.	3.0	63
7	Innovative Chemicals and Materials from Bacterial Aromatic Catabolic Pathways. <i>Joule</i> , 2019, 3, 1523-1537.	24.0	142
8	Driving towards cost-competitive biofuels through catalytic fast pyrolysis by rethinking catalyst selection and reactor configuration. <i>Energy and Environmental Science</i> , 2018, 11, 2904-2918.	30.8	95
9	Integrated Biorefining: Coproduction of Renewable Resol Biopolymer for Aqueous Stream Valorization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6615-6625.	6.7	19
10	Polyplex Formation Influences Release Mechanism of Mono- and Di-Valent Ions from Phosphorylcholine Group Bearing Hydrogels. <i>Polymers</i> , 2014, 6, 2451-2472.	4.5	14
11	Targeting homeostasis in drug delivery using bioresponsive hydrogel microforms. <i>International Journal of Pharmaceutics</i> , 2014, 461, 214-222.	5.2	12
12	The effect of the physicochemical properties of bioactive electroconductive hydrogels on the growth and proliferation of attachment dependent cells. <i>Biomaterials</i> , 2013, 34, 6318-6327.	11.4	50
13	Engineering the Abio-Bio Interface to Enable More than Moore in Functional Bioelectronics. <i>Journal of the Electrochemical Society</i> , 2013, 160, B60-B65.	2.9	15
14	Bioresponsive Hydrogels. <i>Advanced Healthcare Materials</i> , 2013, 2, 520-532.	7.6	45
15	Release of Potassium Ion and Calcium Ion from Phosphorylcholine Group Bearing Hydrogels. <i>Polymers</i> , 2013, 5, 1241-1257.	4.5	26
16	Biomimetic hydrogels gate transport of calcium ions across cell culture inserts. <i>Biomedical Microdevices</i> , 2012, 14, 549-558.	2.8	17
17	Bioactive hydrogels demonstrate mediated release of a chromophore by chymotrypsin. <i>Journal of Controlled Release</i> , 2012, 160, 41-47.	9.9	15
18	Frontiers of More than Moore in Bioelectronics and the Required Metrology Needs. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0