

Andrew N Wilson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6703370/publications.pdf>

Version: 2024-02-01

18
papers

586
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Innovative Chemicals and Materials from Bacterial Aromatic Catabolic Pathways. <i>Joule</i> , 2019, 3, 1523-1537. | 24.0 | 142 |
| 2 | 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 |
| 3 | Message-passing neural networks for high-throughput polymer screening. <i>Journal of Chemical Physics</i> , 2019, 150, 234111. | 3.0 | 63 |
| 4 | 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 |
| 5 | Bioresponsive Hydrogels. <i>Advanced Healthcare Materials</i> , 2013, 2, 520-532. | 7.6 | 45 |
| 6 | Valorization of aqueous waste streams from thermochemical biorefineries. <i>Green Chemistry</i> , 2019, 21, 4217-4230. | 9.0 | 31 |
| 7 | Release of Potassium Ion and Calcium Ion from Phosphorylcholine Group Bearing Hydrogels. <i>Polymers</i> , 2013, 5, 1241-1257. | 4.5 | 26 |
| 8 | 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 |
| 9 | Biomimetic hydrogels gate transport of calcium ions across cell culture inserts. <i>Biomedical Microdevices</i> , 2012, 14, 549-558. | 2.8 | 17 |
| 10 | Bioactive hydrogels demonstrate mediated release of a chromophore by chymotrypsin. <i>Journal of Controlled Release</i> , 2012, 160, 41-47. | 9.9 | 15 |
| 11 | 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 |
| 12 | Hybrid Chemomechanical Plastics Recycling: Solvent-free, High-speed Reactive Extrusion of Low-density Polyethylene. <i>ChemSusChem</i> , 2021, 14, 4280-4290. | 6.8 | 15 |
| 13 | 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 |
| 14 | Targeting homeostasis in drug delivery using bioresponsive hydrogel microforms. <i>International Journal of Pharmaceutics</i> , 2014, 461, 214-222. | 5.2 | 12 |
| 15 | 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 |
| 16 | Efficacy, economics, and sustainability of bio-based insecticides from thermochemical biorefineries. <i>Green Chemistry</i> , 2021, 23, 10145-10156. | 9.0 | 5 |
| 17 | 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 |
| 18 | Frontiers of More than Moore in Bioelectronics and the Required Metrology Needs. <i>AIP Conference Proceedings</i> , 2011, , . | 0.4 | 0 |