

Eoin Cunningham

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

378
citations

840119

11
h-index

794141

19
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22
all docs

22
docs citations

22
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Using regional material flow analysis and geospatial mapping to support the transition to a circular economy for plastics. Resources, Conservation and Recycling, 2022, 179, 106085.	5.3	13
2	Production of Feather-Based Biopolymers as a Direct Alternative to Synthetic Plastics. ACS Sustainable Chemistry and Engineering, 2022, 10, 486-494.	3.2	1
3	Development of a mathematical model to predict the growth of Pseudomonas spp. in, and film permeability requirements of, high oxygen modified atmosphere packaging for red meat. Journal of Food Engineering, 2021, 289, 110251.	2.7	13
4	Exploring perceptions of environmental professionals, plastic processors, students and consumers of bio-based plastics: Informing the development of the sector. Sustainable Production and Consumption, 2021, 26, 574-587.	5.7	47
5	Mapping Facets of Circularity: Going Beyond Reduce, Reuse, Recycle in Agri-Food Supply Chains. Environmental Footprints and Eco-design of Products and Processes, 2021, , 15-40.	0.7	1
6	Poultry feather disulphide bond breakdown to enable bio-based polymer production. Polymers From Renewable Resources, 2021, 12, 92-110.	0.8	2
7	Feasibility of the use of poultry waste as polymer additives and implications for energy, cost and carbon. Journal of Cleaner Production, 2021, 291, 125948.	4.6	23
8	Development and optimisation of extruded bio-based polymers from poultry feathers. European Polymer Journal, 2021, 158, 110678.	2.6	7
9	Multi-criteria decision analysis of agri-food waste as a feedstock for biopolymer production. Resources, Conservation and Recycling, 2021, 172, 105671.	5.3	21
10	Carbon and energy footprints of high-value food trays and lidding films made of common bio-based and conventional packaging materials. Cleaner Environmental Systems, 2021, 3, 100058.	2.2	6
11	Comparative life cycle analysis of a biodegradable multilayer film and a conventional multilayer film for fresh meat modified atmosphere packaging “ and effectively accounting for shelf-life. Journal of Cleaner Production, 2021, 327, 129423.	4.6	14
12	Liquefaction of corn husks and properties of biodegradable biopolyol blends. Journal of Chemical Technology and Biotechnology, 2020, 95, 2973-2982.	1.6	9
13	Process and Material Parameter Optimisation of Rotomoulded Polymer Foams. Procedia Manufacturing, 2020, 47, 991-997.	1.9	1
14	Incorporation of poultry eggshell and litter ash as high loading polymer fillers in polypropylene. Composites Part C: Open Access, 2020, 3, 100080.	1.5	13
15	Study and fire test of banana fibre reinforced composites with flame retardance properties. Open Chemistry, 2020, 18, 275-286.	1.0	11
16	Low temperature gamma sterilization of a bioresorbable polymer, PLGA. Radiation Physics and Chemistry, 2018, 143, 27-32.	1.4	11
17	Optimisation of multi-layer rotationally moulded foamed structures. AIP Conference Proceedings, 2018, , .	0.3	0
18	Development of three-dimensional printing polymer-ceramic scaffolds with enhanced compressive properties and tuneable resorption. Materials Science and Engineering C, 2018, 93, 975-986.	3.8	34

#	ARTICLE	IF	CITATIONS
19	Effects of poly ($\hat{\mu}$ -caprolactone) coating on the properties of three-dimensional printed porous structures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 70, 68-83.	1.5	23
20	Extent and mechanism of phase separation during the extrusion of calcium phosphate pastes. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 29.	1.7	20
21	Review of Patents on Microneedle Applicators. <i>Recent Patents on Drug Delivery and Formulation</i> , 2011, 5, 11-23.	2.1	52
22	Hydroxyapatite bone substitutes developed via replication of natural marine sponges. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2255-2261.	1.7	56