

# 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  
g-index

22  
all docs

22  
docs citations

22  
times ranked

478  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Review of Patents on Microneedle Applicators. <i>Recent Patents on Drug Delivery and Formulation</i> , 2011, 5, 11-23.	2.1	52
3	Exploring perceptions of environmental professionals, plastic processors, students and consumers of bio-based plastics: Informing the development of the sector. <i>Sustainable Production and Consumption</i> , 2021, 26, 574-587.	5.7	47
4	Development of three-dimensional printing polymer-ceramic scaffolds with enhanced compressive properties and tuneable resorption. <i>Materials Science and Engineering C</i> , 2018, 93, 975-986.	3.8	34
5	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
6	Feasibility of the use of poultry waste as polymer additives and implications for energy, cost and carbon. <i>Journal of Cleaner Production</i> , 2021, 291, 125948.	4.6	23
7	Multi-criteria decision analysis of agri-food waste as a feedstock for biopolymer production. <i>Resources, Conservation and Recycling</i> , 2021, 172, 105671.	5.3	21
8	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
9	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. <i>Journal of Cleaner Production</i> , 2021, 327, 129423.	4.6	14
10	Development of a mathematical model to predict the growth of <i>Pseudomonas</i> spp. in, and film permeability requirements of, high oxygen modified atmosphere packaging for red meat. <i>Journal of Food Engineering</i> , 2021, 289, 110251.	2.7	13
11	Incorporation of poultry eggshell and litter ash as high loading polymer fillers in polypropylene. <i>Composites Part C: Open Access</i> , 2020, 3, 100080.	1.5	13
12	Using regional material flow analysis and geospatial mapping to support the transition to a circular economy for plastics. <i>Resources, Conservation and Recycling</i> , 2022, 179, 106085.	5.3	13
13	Low temperature gamma sterilization of a bioresorbable polymer, PLGA. <i>Radiation Physics and Chemistry</i> , 2018, 143, 27-32.	1.4	11
14	Study and fire test of banana fibre reinforced composites with flame retardance properties. <i>Open Chemistry</i> , 2020, 18, 275-286.	1.0	11
15	Liquefaction of corn husks and properties of biodegradable biopolyol blends. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2973-2982.	1.6	9
16	Development and optimisation of extruded bio-based polymers from poultry feathers. <i>European Polymer Journal</i> , 2021, 158, 110678.	2.6	7
17	Carbon and energy footprints of high-value food trays and lidding films made of common bio-based and conventional packaging materials. <i>Cleaner Environmental Systems</i> , 2021, 3, 100058.	2.2	6
18	Poultry feather disulphide bond breakdown to enable bio-based polymer production. <i>Polymers From Renewable Resources</i> , 2021, 12, 92-110.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Process and Material Parameter Optimisation of Rotomoulded Polymer Foams. <i>Procedia Manufacturing</i> , 2020, 47, 991-997.	1.9	1
20	Mapping Facets of Circularity: Going Beyond Reduce, Reuse, Recycle in Agri-Food Supply Chains. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2021, , 15-40.	0.7	1
21	Production of Feather-Based Biopolymers as a Direct Alternative to Synthetic Plastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 486-494.	3.2	1
22	Optimisation of multi-layer rotationally moulded foamed structures. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0