Margaret Brennan Fournet

List of Publications by Year
in descending order

20 papers	681 citations	932766 10 h-index	887659 17 g-index
20 all docs	20 docs citations	20 times ranked	956 citing authors

#	Article	IF	Citations
1	Progressing Ultragreen, Energy-Efficient Biobased Depolymerization of Poly(ethylene terephthalate) via Microwave-Assisted Green Deep Eutectic Solvent and Enzymatic Treatment. Polymers, 2022, 14, 109.	2.0	8
2	Antimicrobial Active Bioplastics Using Triangular Silver Nanoplate Integrated Polycaprolactone and Polylactic Acid Films. Materials, 2021, 14, 1132.	1.3	2
3	Progressing Plastics Circularity: A Review of Mechano-Biocatalytic Approaches for Waste Plastic (Re)valorization. Frontiers in Bioengineering and Biotechnology, 2021, 9, 696040.	2.0	53
4	Macro and Micro Routes to High Performance Bioplastics: Bioplastic Biodegradability and Mechanical and Barrier Properties. Polymers, 2021, 13, 2155.	2.0	14
5	Composite Films of Thermoplastic Starch and CaCl2 Extracted from Eggshells for Extending Food Shelf-Life. Polysaccharides, 2021, 2, 677-690.	2.1	5
6	Upcycling Biodegradable PVA/Starch Film to a Bacterial Biopigment and Biopolymer. Polymers, 2021, 13, 3692.	2.0	10
7	Fast, High Monomer Yield from Post-consumer Polyethylene Terephthalate via Combined Microwave and Deep Eutectic Solvent Hydrolytic Depolymerization. ACS Sustainable Chemistry and Engineering, 2021, 9, 17174-17185.	3.2	23
8	Ultrafast, Optimized Hydrolytic Depolymerization of Polyethylene Terephthalate Using a Dissolution/Degradation Approach. , 2021, 6, .		0
9	Production of Polyhydroxybutyrate (PHB) and Factors Impacting Its Chemical and Mechanical Characteristics. Polymers, 2020, 12, 2908.	2.0	214
10	Monitoring of Extracellular Matrix Protein Conformations in the Presence of Biomimetic Bone Tissue Regeneration Scaffolds. Key Engineering Materials, 2020, 865, 43-47.	0.4	0
11	Detection of fibronectin conformational changes in the extracellular matrix of live cells using plasmonic nanoplates. Journal of Materials Chemistry B, 2015, 3, 9140-9147.	2.9	12
12	Highly sensitive C-reactive protein (CRP) assay using metal-enhanced fluorescence (MEF). Journal of Nanoparticle Research, 2015, 17, 1.	0.8	9
13	Large area CMOS bio-pixel array for compact high sensitive multiplex biosensing. Lab on A Chip, 2015, 15, 877-881.	3.1	10
14	Wash-free highly sensitive detection of C-reactive protein using gold derivatised triangular silver nanoplates. RSC Advances, 2014, 4, 29022-29031.	1.7	25
15	Effect of Nanoparticle Stabilization and Physicochemical Properties on Exposure Outcome: Acute Toxicity of Silver Nanoparticle Preparations in Zebrafish (Danio rerio). Environmental Science & Technology, 2013, 47, 3883-3892.	4.6	55
16	Scaling of Surface Plasmon Resonances in Triangular Silver Nanoplate Sols for Enhanced Refractive Index Sensing. Plasmonics, 2011, 6, 351-362.	1.8	21
17	Versatile Solution Phase Triangular Silver Nanoplates for Highly Sensitive Plasmon Resonance Sensing. ACS Nano, 2010, 4, 55-64.	7.3	150
18	Key Role of Aspect Ratio in Optimising Local Surface Plasmon Sensitivities of Solution Phase Triangular Silver Nanoplates. Materials Research Society Symposia Proceedings, 2009, 1208, 1.	0.1	0

#	Article	IF	Citations
19	Etching-Resistant Silver Nanoprisms by Epitaxial Deposition of a Protecting Layer of Gold at the Edges. Langmuir, 2009, 25, 10165-10173.	1.6	69
20	A sensitivity study of the localised surface plasmon resonance of high-definition structured silver nanoparticles in solution. Proceedings of SPIE, 2008, , .	0.8	1