

Margaret Brennan Fournet

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

681
citations

933447

10
h-index

888059

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. <i>Polymers</i> , 2022, 14, 109.	4.5	8
2	Antimicrobial Active Bioplastics Using Triangular Silver Nanoplate Integrated Polycaprolactone and Polylactic Acid Films. <i>Materials</i> , 2021, 14, 1132.	2.9	2
3	Progressing Plastics Circularity: A Review of Mechano-Biocatalytic Approaches for Waste Plastic (Re)valorization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 696040.	4.1	53
4	Macro and Micro Routes to High Performance Bioplastics: Bioplastic Biodegradability and Mechanical and Barrier Properties. <i>Polymers</i> , 2021, 13, 2155.	4.5	14
5	Composite Films of Thermoplastic Starch and CaCl ₂ Extracted from Eggshells for Extending Food Shelf-Life. <i>Polysaccharides</i> , 2021, 2, 677-690.	4.8	5
6	Upcycling Biodegradable PVA/Starch Film to a Bacterial Biopigment and Biopolymer. <i>Polymers</i> , 2021, 13, 3692.	4.5	10
7	Fast, High Monomer Yield from Post-consumer Polyethylene Terephthalate via Combined Microwave and Deep Eutectic Solvent Hydrolytic Depolymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17174-17185.	6.7	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. <i>Polymers</i> , 2020, 12, 2908.	4.5	214
10	Monitoring of Extracellular Matrix Protein Conformations in the Presence of Biomimetic Bone Tissue Regeneration Scaffolds. <i>Key Engineering Materials</i> , 2020, 865, 43-47.	0.4	0
11	Detection of fibronectin conformational changes in the extracellular matrix of live cells using plasmonic nanoplates. <i>Journal of Materials Chemistry B</i> , 2015, 3, 9140-9147.	5.8	12
12	Highly sensitive C-reactive protein (CRP) assay using metal-enhanced fluorescence (MEF). <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	9
13	Large area CMOS bio-pixel array for compact high sensitive multiplex biosensing. <i>Lab on A Chip</i> , 2015, 15, 877-881.	6.0	10
14	Wash-free highly sensitive detection of C-reactive protein using gold derivatised triangular silver nanoplates. <i>RSC Advances</i> , 2014, 4, 29022-29031.	3.6	25
15	Effect of Nanoparticle Stabilization and Physicochemical Properties on Exposure Outcome: Acute Toxicity of Silver Nanoparticle Preparations in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2013, 47, 3883-3892.	10.0	55
16	Scaling of Surface Plasmon Resonances in Triangular Silver Nanoplate Sols for Enhanced Refractive Index Sensing. <i>Plasmonics</i> , 2011, 6, 351-362.	3.4	21
17	Versatile Solution Phase Triangular Silver Nanoplates for Highly Sensitive Plasmon Resonance Sensing. <i>ACS Nano</i> , 2010, 4, 55-64.	14.6	150
18	Key Role of Aspect Ratio in Optimising Local Surface Plasmon Sensitivities of Solution Phase Triangular Silver Nanoplates. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1208, 1.	0.1	0

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19	Etching-Resistant Silver Nanoprisms by Epitaxial Deposition of a Protecting Layer of Gold at the Edges. Langmuir, 2009, 25, 10165-10173.	3.5	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