

Athanassia Athanassiou

List of Publications by Year in descending order

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Version: 2024-02-01

341
papers

12,723
citations

28274

55
h-index

46799

89
g-index

351
all docs

351
docs citations

351
times ranked

15713
citing authors

#	ARTICLE	IF	CITATIONS
1	3D cellulose fiber networks modified by PEDOT:PSS/graphene nanoplatelets for thermoelectric applications. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	13
2	High-pressure autohydrolysis process of wheat straw for cellulose recovery and subsequent use in PBAT composites preparation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 39, 102282.	3.1	6
3	Greaseproof, hydrophobic, and biodegradable food packaging bioplastics from C6-fluorinated cellulose esters. <i>Food Hydrocolloids</i> , 2022, 128, 107562.	10.7	22
4	Evaluation of a Multifunctional Polyvinylpyrrolidone/Hyaluronic Acid-Based Bilayer Film Patch with Anti-Inflammatory Properties as an Enhancer of the Wound Healing Process. <i>Pharmaceutics</i> , 2022, 14, 483.	4.5	11
5	Biodegradable Films of PLA/PPC and Curcumin as Packaging Materials and Smart Indicators of Food Spoilage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14654-14667.	8.0	73
6	Gold nanostructured membranes to concentrate low molecular weight thiols, a proof of concept study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1198, 123244.	2.3	5
7	Biocatalytic oxidation of polyethylene by <i>Agrocybe aegerita</i> mycelium. <i>Polymer Degradation and Stability</i> , 2022, 199, 109911.	5.8	9
8	Poly(lactic acid)-graphene emulsion ink based conductive cotton fabrics. <i>Journal of Materials Research and Technology</i> , 2022, 18, 5197-5211.	5.8	16
9	Transparent, UV-blocking, and high barrier cellulose-based bioplastics with naringin as active food packaging materials. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1985-1994.	7.5	51
10	Antioxidant coatings from elastomeric vinyl acetate-vinyl laurate copolymers with reduced bacterial adhesion. <i>Progress in Organic Coatings</i> , 2022, 168, 106883.	3.9	3
11	Thermo-responsive nanofibers for on-demand biocompound delivery platform. <i>Chemical Engineering Journal</i> , 2022, 445, 136744.	12.7	11
12	Self-Adhesive and Antioxidant Poly(vinylpyrrolidone)/Alginate-Based Bilayer Films Loaded with <i>Malva sylvestris</i> Extracts as Potential Skin Dressings. <i>ACS Applied Bio Materials</i> , 2022, 5, 2880-2893.	4.6	9
13	A second life for fruit and vegetable waste: a review on bioplastic films and coatings for potential food protection applications. <i>Green Chemistry</i> , 2022, 24, 4703-4727.	9.0	35
14	Highly Porous Curcumin-Loaded Polymer Mats for Rapid Detection of Volatile Amines. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4464-4475.	4.4	18
15	In Vitro High-Throughput Toxicological Assessment of Nanoplastics. <i>Nanomaterials</i> , 2022, 12, 1947.	4.1	9
16	A novel approach to fabricate edible and heat sealable bio-based films from vegetable biomass rich in pectin. <i>Materials Today Communications</i> , 2022, 32, 103871.	1.9	6
17	Rapid Solvent-Free Microcrystalline Cellulose Melt Functionalization with L-lactide for the Fabrication of Green Poly(lactic acid) Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9401-9410.	6.7	8
18	Electrically Conductive 2D Material Coatings for Flexible and Stretchable Electronics: A Comparative Review of Graphenes and MXenes. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	52

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19	Porous pH natural indicators for acidic and basic vapor sensing. <i>Chemical Engineering Journal</i> , 2021, 403, 126373.	12.7	49
20	Multifunctional PDMS polyHIPE filters for oil-water separation and antibacterial activity. <i>Separation and Purification Technology</i> , 2021, 255, 117748.	7.9	26
21	PET nanoplastics interactions with water contaminants and their impact on human cells. <i>Environmental Pollution</i> , 2021, 271, 116262.	7.5	33
22	Electrospun polyvinylpyrrolidone (PVP) hydrogels containing hydroxycinnamic acid derivatives as potential wound dressings. <i>Chemical Engineering Journal</i> , 2021, 409, 128144.	12.7	73
23	Development of biodegradable zein-based bilayer coatings for drug-eluting stents. <i>RSC Advances</i> , 2021, 11, 24345-24358.	3.6	12
24	Biomimetic keratin gold nanoparticle-mediated <i>in vitro</i> photothermal therapy on glioblastoma multiforme. <i>Nanomedicine</i> , 2021, 16, 121-138.	3.3	39
25	Antioxidant and hydrophobic Cotton fabric resisting accelerated ageing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126061.	4.7	17
26	Production of Green Star/Linear PLA Blends by Extrusion and Injection Molding: Tailoring Rheological and Mechanical Performances of Conventional PLA. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000805.	3.6	10
27	Photocatalytic Activity of Cellulose Acetate Nanoceria/Pt Hybrid Mats Driven by Visible Light Irradiation. <i>Polymers</i> , 2021, 13, 912.	4.5	5
28	Comprehensive Enhancement in Thermomechanical Performance of Melt-Extruded PEEK Filaments by Graphene Incorporation. <i>Polymers</i> , 2021, 13, 1425.	4.5	21
29	Plant-based biocomposite films as potential antibacterial patches for skin wound healing. <i>European Polymer Journal</i> , 2021, 150, 110414.	5.4	20
30	Effect of Green Plasticizer on the Performance of Microcrystalline Cellulose/Poly(lactic Acid) Biocomposites. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3071-3081.	4.4	44
31	Biowaste-Derived Carbonized Bone for Solar Steam Generation and Seawater Desalination. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100031.	5.3	15
32	Advanced mycelium materials as potential self-growing biomedical scaffolds. <i>Scientific Reports</i> , 2021, 11, 12630.	3.3	43
33	3D Photothermal Cryogels for Solar-Driven Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30542-30555.	8.0	37
34	Responsive Bio-Composites from Magnesium Carbonate Filled Polycaprolactone and Curcumin-Functionalized Cellulose Fibers. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100128.	5.3	13
35	Marine Fouling Characteristics of Biocomposites in a Coral Reef Ecosystem. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100089.	5.3	8
36	Hydroxycinnamic Acids and Derivatives Formulations for Skin Damages and Disorders: A Review. <i>Pharmaceutics</i> , 2021, 13, 999.	4.5	31

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37	Avocado Peels and Seeds: Processing Strategies for the Development of Highly Antioxidant Bioplastic Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38688-38699.	8.0	39
38	Biocompatible and biomimetic keratin capped Au nanoparticles enable the inactivation of mesophilic bacteria via photo-thermal therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126950.	4.7	4
39	Super Tough Polylactic Acid Plasticized with Epoxidized Soybean Oil Methyl Ester for Flexible Food Packaging. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5087-5095.	4.4	46
40	Graphene Nanoplatelets Render Poly(3-Hydroxybutyrate) a Suitable Scaffold to Promote Neuronal Network Development. <i>Frontiers in Neuroscience</i> , 2021, 15, 731198.	2.8	8
41	Wearable and self-healable textile-based strain sensors to monitor human muscular activities. <i>Composites Part B: Engineering</i> , 2021, 220, 108969.	12.0	23
42	A Review on Graphene Based Materials and Their Antimicrobial Properties. <i>Coatings</i> , 2021, 11, 1197.	2.6	22
43	Bio-based plastic films prepared from potato peels using mild acid hydrolysis followed by plasticization with a polyglycerol. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100707.	7.5	23
44	Stone sustainable protection and preservation using a zein-based hydrophobic coating. <i>Progress in Organic Coatings</i> , 2021, 159, 106434.	3.9	8
45	Waterproof-breathable films from multi-branched fluorinated cellulose esters. <i>Carbohydrate Polymers</i> , 2021, 271, 118031.	10.2	12
46	Direct transformation of industrial vegetable waste into bioplastic composites intended for agricultural mulch films. <i>Green Chemistry</i> , 2021, 23, 5956-5971.	9.0	25
47	Biobased, Biodegradable, Self-Healing Boronic Ester Vitrimers from Epoxidized Soybean Oil Acrylate. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1135-1144.	4.4	73
48	Versatile Preparation of Branched Polylactides by Low-Temperature, Organocatalytic Ring-Opening Polymerization in <i>N</i> -Methylpyrrolidone and Their Surface Degradation Behavior. <i>Macromolecules</i> , 2021, 54, 9482-9495.	4.8	7
49	Paper Sensors Based on Fluorescence Changes of Carbon Nanodots for Optical Detection of Nanomaterials. <i>Sustainability</i> , 2021, 13, 11896.	3.2	3
50	Zinc Polyaleuritate Ionomer Coatings as a Sustainable, Alternative Technology for Bisphenol A-Free Metal Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15484-15495.	6.7	4
51	Polymeric Hydrogels—A Promising Platform in Enhancing Water Security for a Sustainable Future. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100580.	3.7	46
52	Green Biocomposites for Thermoelectric Wearable Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1907301.	14.9	74
53	Fine-Tuning of Physicochemical Properties and Growth Dynamics of Mycelium-Based Materials. <i>ACS Applied Bio Materials</i> , 2020, 3, 1044-1051.	4.6	47
54	Comparison of physicochemical, mechanical and antioxidant properties of polyvinyl alcohol films containing green tealeaves waste extracts and discarded balsamic vinegar. <i>Food Packaging and Shelf Life</i> , 2020, 23, 100445.	7.5	26

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55	Graphene morphology effect on the gas barrier, mechanical and thermal properties of thermoplastic polyurethane. <i>Composites Science and Technology</i> , 2020, 200, 108461.	7.8	30
56	Keratin-cinnamon essential oil biocomposite fibrous patches for skin burn care. <i>Materials Advances</i> , 2020, 1, 1805-1816.	5.4	20
57	Transparent Bioplastic Derived from CO ₂ -Based Polymer Functionalized with Oregano Waste Extract toward Active Food Packaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46667-46677.	8.0	42
58	Electron Diffraction on Flash-Frozen Cowlesite Reveals the Structure of the First Two-Dimensional Natural Zeolite. <i>ACS Central Science</i> , 2020, 6, 1578-1586.	11.3	18
59	UV-Blocking, Transparent, and Antioxidant Polycyanoacrylate Films. <i>Polymers</i> , 2020, 12, 2011.	4.5	17
60	In situ formation of SnO ₂ nanoparticles on cellulose acetate fibrous membranes for the photocatalytic degradation of organic dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 398, 112599.	3.9	26
61	Water-induced plasticization in vegetable-based bioplastic films: A structural and thermo-mechanical study. <i>Polymer</i> , 2020, 200, 122598.	3.8	23
62	From fabric to tissue: Recovered wool keratin/polyvinylpyrrolidone biocomposite fibers as artificial scaffold platform. <i>Materials Science and Engineering C</i> , 2020, 116, 111151.	7.3	37
63	Biodegradable and Insoluble Cellulose Photonic Crystals and Metasurfaces. <i>ACS Nano</i> , 2020, 14, 9502-9511.	14.6	36
64	Highly biodegradable, ductile all-poly lactide blends. <i>Polymer</i> , 2020, 193, 122371.	3.8	17
65	Plant-Inspired Polyaleuritate-Nanocellulose Composite Photonic Films. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1528-1534.	4.4	10
66	Sustainable, High-Barrier Polyaleuritate/Nanocellulose Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10682-10690.	6.7	9
67	Solar-Driven Freshwater Generation from Seawater and Atmospheric Moisture Enabled by a Hydrophilic Photothermal Foam. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10307-10316.	8.0	33
68	Green Processing Route for Polylactic Acid-Cellulose Fiber Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4128-4136.	6.7	61
69	Multifunctional Bioplastics Inspired by Wood Composition: Effect of Hydrolyzed Lignin Addition to Xylan-Cellulose Matrices. <i>Biomacromolecules</i> , 2020, 21, 910-920.	5.4	45
70	Bioresin-based superhydrophobic coatings with reduced bacterial adhesion. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 20-32.	9.4	50
71	Melamine Foams Decorated with In-Situ Synthesized Gold and Palladium Nanoparticles. <i>Polymers</i> , 2020, 12, 934.	4.5	3
72	Treatment of Coral Wounds by Combining an Antiseptic Bilayer Film and an Injectable Antioxidant Biopolymer. <i>Scientific Reports</i> , 2020, 10, 988.	3.3	18

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73	Bioplastics from Vegetable Waste: A Versatile Platform for the Fabrication of Polymer Films. ACS Symposium Series, 2020, , 179-192.	0.5	3
74	Electrospun fibroin/polyurethane hybrid meshes: Manufacturing, characterization, and potentialities as substrates for haemodialysis arteriovenous grafts. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 807-817.	3.4	16
75	Expanded Graphite-Polyurethane Foams for Water/Oil Filtration. ACS Applied Materials & Interfaces, 2019, 11, 30207-30217.	8.0	47
76	Sustainable Active Food Packaging from Poly(lactic acid) and Cocoa Bean Shells. ACS Applied Materials & Interfaces, 2019, 11, 31317-31327.	8.0	71
77	Au/ZnO Hybrid Nanostructures on Electrospun Polymeric Mats for Improved Photocatalytic Degradation of Organic Pollutants. Water (Switzerland), 2019, 11, 1787.	2.7	25
78	Combining dietary phenolic antioxidants with polyvinylpyrrolidone: transparent biopolymer films based on <i>p</i> -coumaric acid for controlled release. Journal of Materials Chemistry B, 2019, 7, 1384-1396.	5.8	37
79	Poly(furfuryl alcohol)-Polycaprolactone Blends. Polymers, 2019, 11, 1069.	4.5	23
80	Environmentally benign non-wettable textile treatments: A review of recent state-of-the-art. Advances in Colloid and Interface Science, 2019, 270, 216-250.	14.7	84
81	Water-based synthesis of keratin micro- and nanoparticles with tunable mucoadhesive properties for drug delivery. Journal of Materials Chemistry B, 2019, 7, 4385-4392.	5.8	17
82	Hydrophobic treatment of woven cotton fabrics with polyurethane modified aminosilicone emulsions. Applied Surface Science, 2019, 490, 331-342.	6.1	63
83	Low-density polyethylene/curcumin melt extruded composites with enhanced water vapor barrier and antioxidant properties for active food packaging. Polymer, 2019, 175, 137-145.	3.8	75
84	A highly porous solvent free PVDF/expanded graphite foam for oil/water separation. Chemical Engineering Journal, 2019, 372, 1174-1182.	12.7	52
85	Transparent and Robust All-Cellulose Nanocomposite Packaging Materials Prepared in a Mixture of Trifluoroacetic Acid and Trifluoroacetic Anhydride. Nanomaterials, 2019, 9, 368.	4.1	30
86	Low molecular weight μ -caprolactone- <i>p</i> -coumaric acid copolymers as potential biomaterials for skin regeneration applications. PLoS ONE, 2019, 14, e0214956.	2.5	27
87	Green Composites of Poly(3-hydroxybutyrate) Containing Graphene Nanoplatelets with Desirable Electrical Conductivity and Oxygen Barrier Properties. ACS Omega, 2019, 4, 19746-19755.	3.5	22
88	Heat-Resistant Aphanizomenon flos-aquae (AFA) Extract (Klamin®) as a Functional Ingredient in Food Strategy for Prevention of Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	4.0	17
89	Hydrochromic carbon dots as smart sensors for water sensing in organic solvents. Nanoscale Advances, 2019, 1, 4258-4267.	4.6	36
90	Sustainable polycondensation of multifunctional fatty acids from tomato pomace agro-waste catalyzed by tin (II) 2-ethylhexanoate. Materials Today Sustainability, 2019, 3-4, 100004.	4.1	19

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91	Low-density PMMA/MAM nanocellular polymers using low MAM contents: Production and characterization. <i>Polymer</i> , 2019, 163, 115-124.	3.8	26
92	Superhydrophobic Coatings from Beeswax-Water Emulsions with Latent Heat Storage Capability. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801782.	3.7	40
93	Silk Fibroin/Orange Peel Foam: An Efficient Biocomposite for Water Remediation. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800097.	5.3	22
94	Polyvinylpyrrolidone/hyaluronic acid-based bilayer constructs for sequential delivery of cutaneous antiseptic and antibiotic. <i>Chemical Engineering Journal</i> , 2019, 358, 912-923.	12.7	50
95	Enhanced oil removal from water in oil stable emulsions using electrospun nanocomposite fiber mats. <i>RSC Advances</i> , 2018, 8, 7641-7650.	3.6	28
96	Interfacing superhydrophobic silica nanoparticle films with graphene and thermoplastic polyurethane for wear/abrasion resistance. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 285-295.	9.4	68
97	Plant cuticle under global change: Biophysical implications. <i>Global Change Biology</i> , 2018, 24, 2749-2751.	9.5	31
98	Antibacterial Melamine Foams Decorated with <i>in Situ</i> Synthesized Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16095-16104.	8.0	35
99	Electrospun silk fibroin fibers for storage and controlled release of human platelet lysate. <i>Acta Biomaterialia</i> , 2018, 73, 365-376.	8.3	73
100	Antibacterial bioelastomers with sustained povidone-iodine release. <i>Chemical Engineering Journal</i> , 2018, 347, 19-26.	12.7	32
101	Influence of topography of nanofibrous scaffolds on functionality of engineered neural tissue. <i>Journal of Materials Chemistry B</i> , 2018, 6, 930-939.	5.8	26
102	Bioplastics from vegetable waste <i>via</i> an eco-friendly water-based process. <i>Green Chemistry</i> , 2018, 20, 894-902.	9.0	99
103	Carbon Nanofiber versus Graphene-Based Stretchable Capacitive Touch Sensors for Artificial Electronic Skin. <i>Advanced Science</i> , 2018, 5, 1700587.	11.2	100
104	Environmentally Benign Production of Stretchable and Robust Superhydrophobic Silicone Monoliths. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2907-2917.	8.0	107
105	Titanate Fibroin Nanocomposites: A Novel Approach for the Removal of Heavy-Metal Ions from water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 651-659.	8.0	37
106	Fully-sprayed flexible polymer solar cells with a cellulose-graphene electrode. <i>Materials Today Energy</i> , 2018, 7, 105-112.	4.7	51
107	Antimicrobial, antioxidant, and waterproof RTV silicone-ethyl cellulose composites containing clove essential oil. <i>Carbohydrate Polymers</i> , 2018, 192, 150-158.	10.2	56
108	A biocompatible sodium alginate/povidone iodine film enhances wound healing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 122, 17-24.	4.3	110

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109	Surface modification of polymeric foams for oil spills remediation. <i>Journal of Environmental Management</i> , 2018, 206, 872-889.	7.8	77
110	Valorization of Tomato Processing by-Products: Fatty Acid Extraction and Production of Bio-Based Materials. <i>Materials</i> , 2018, 11, 2211.	2.9	42
111	Facile Oil Removal from Water-in-Oil Stable Emulsions Using PU Foams. <i>Materials</i> , 2018, 11, 2382.	2.9	20
112	Ceria/Gold Nanoparticles <i>in Situ</i> Synthesized on Polymeric Membranes with Enhanced Photocatalytic and Radical Scavenging Activity. <i>ACS Applied Nano Materials</i> , 2018, 1, 5601-5611.	5.0	27
113	Photochromic Paper Indicators for Acidic Food Spoilage Detection. <i>ACS Omega</i> , 2018, 3, 13484-13493.	3.5	41
114	Borrowing From Nature: Biopolymers and Biocomposites as Smart Wound Care Materials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 137.	4.1	137
115	Fabrication of Visible Light-Induced Antibacterial and Self-Cleaning Cotton Fabrics Using Manganese Doped TiO ₂ Nanoparticles. <i>ACS Applied Bio Materials</i> , 2018, 1, 1154-1164.	4.6	72
116	Highly Transparent Polyethylcyanoacrylates from Approved Eco-Friendly Fragrance Materials Demonstrating Excellent Fog-Harvesting and Anti-Wear Properties. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34573-34584.	8.0	22
117	Sustainable Fabrication of Plant Cuticle-Like Packaging Films from Tomato Pomace Agro-Waste, Beeswax, and Alginate. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14955-14966.	6.7	50
118	Enhanced electrical conductivity of poly(methyl methacrylate) filled with graphene and <i>in situ</i> synthesized gold nanoparticles. <i>Nano Futures</i> , 2018, 2, 025003.	2.2	12
119	Plasmonic polyaniline/gold nanorods hybrid composites for selective NIR photodetection: Synthesis and characterization. <i>Composites Part B: Engineering</i> , 2018, 149, 178-187.	12.0	12
120	Laser Ablation as a Versatile Tool To Mimic Polyethylene Terephthalate Nanoplastic Pollutants: Characterization and Toxicology Assessment. <i>ACS Nano</i> , 2018, 12, 7690-7700.	14.6	208
121	Sustainable thermal interface materials from recycled cotton textiles and graphene nanoplatelets. <i>Applied Physics Letters</i> , 2018, 113, 044103.	3.3	14
122	Thermoplastic cellulose acetate oleate films with high barrier properties and ductile behaviour. <i>Chemical Engineering Journal</i> , 2018, 348, 840-849.	12.7	55
123	Understanding the role of MAM molecular weight in the production of PMMA/MAM nanocellular polymers. <i>Polymer</i> , 2018, 153, 262-270.	3.8	25
124	Graphene Nanoplatelets-Based Advanced Materials and Recent Progress in Sustainable Applications. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1438.	2.5	201
125	Sustainable Electronics Based on Crop Plant Extracts and Graphene: A "Bioadvantaged" Approach. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800069.	5.3	27
126	Investigation of in vitro hydrophilic and hydrophobic dual drug release from polymeric films produced by sodium alginate-MaterBi [®] drying emulsions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 71-82.	4.3	21

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127	Allâ€Natural Sustainable Packaging Materials Inspired by Plant Cuticles. <i>Advanced Sustainable Systems</i> , 2017, 1, 1600024.	5.3	50
128	Advanced Materials From Fungal Mycelium: Fabrication and Tuning of Physical Properties. <i>Scientific Reports</i> , 2017, 7, 41292.	3.3	305
129	A novel ionic amphiphilic chitosan derivative as a stabilizer of nanoemulsions: Improvement of antimicrobial activity of <i>Cymbopogon citratus</i> essential oil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 385-392.	5.0	48
130	Robust water repellent treatment for woven cotton fabrics with eco-friendly polymers. <i>Chemical Engineering Journal</i> , 2017, 319, 321-332.	12.7	81
131	Mineral oil barrier sequential polymer treatment for recycled paper products in food packaging. <i>Materials Research Express</i> , 2017, 4, 015501.	1.6	22
132	Healable Cottonâ€Graphene Nanocomposite Conductor for Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13825-13830.	8.0	81
133	Acidochromic fibrous polymer composites for rapid gas detection. <i>Journal of Materials Chemistry A</i> , 2017, 5, 339-348.	10.3	66
134	Bioelastomers Based on Cocoa Shell Waste with Antioxidant Ability. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700002.	5.3	25
135	Thermally-induced in situ growth of ZnO nanoparticles in polymeric fibrous membranes. <i>Composites Science and Technology</i> , 2017, 149, 11-19.	7.8	15
136	Self-organized microporous cellulose-nylon membranes. <i>Polymer</i> , 2017, 120, 255-263.	3.8	7
137	Cellulose-polyhydroxylated fatty acid ester-based bioplastics with tuning properties: Acylation via a mixed anhydride system. <i>Carbohydrate Polymers</i> , 2017, 173, 312-320.	10.2	33
138	Transparent ciprofloxacin-povidone antibiotic films and nanofiber mats as potential skin and wound care dressings. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 133-144.	4.0	95
139	Oneâ€Pot Hybrid SnO ₂ /Poly(methyl methacrylate) Nanocomposite Formation through Pulsed Laser Irradiation. <i>ChemPhysChem</i> , 2017, 18, 1635-1641.	2.1	6
140	Graphene heaters absorb faster. <i>Nature Nanotechnology</i> , 2017, 12, 406-407.	31.5	47
141	Superhydrophobic high impact polystyrene (HIPS) nanocomposites with wear abrasion resistance. <i>Chemical Engineering Journal</i> , 2017, 322, 10-21.	12.7	53
142	Electrical conductivity enhancement in thermoplastic polyurethane-graphene nanoplatelet composites by stretch-release cycles. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	32
143	Reusable nanocomposite-coated polyurethane foams for the remediation of oil spills. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2055-2066.	3.5	19
144	Formation of magnetically anisotropic composite films at low magnetic fields. <i>Smart Materials and Structures</i> , 2017, 26, 045018.	3.5	1

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145	Spanish Broom (<i>Spartium junceum</i> L.) fibers impregnated with vancomycin-loaded chitosan nanoparticles as new antibacterial wound dressing: Preparation, characterization and antibacterial activity. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 105-112.	4.0	50
146	Disposable radiosondes for tracking Lagrangian fluctuations inside warm clouds. , 2017, , .		1
147	Cocoa Shell Waste Biofilaments for 3D Printing Applications. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700219.	3.6	81
148	Strain-responsive mercerized conductive cotton fabrics based on PEDOT:PSS/graphene. <i>Materials and Design</i> , 2017, 135, 213-222.	7.0	106
149	Graphene and polytetrafluoroethylene synergistically improve the tribological properties and adhesion of nylon 66 coatings. <i>Carbon</i> , 2017, 123, 26-33.	10.3	53
150	Nanoporous PMMA foams with templated pore size obtained by localized in situ synthesis of nanoparticles and CO ₂ foaming. <i>Polymer</i> , 2017, 124, 176-185.	3.8	29
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