

Darren J Martin

List of Publications by Year in descending order

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136
papers

7,351
citations

70961

41
h-index

58464

82
g-index

139
all docs

139
docs citations

139
times ranked

9974
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyethylene multiwalled carbon nanotube composites. <i>Polymer</i> , 2005, 46, 8222-8232.	1.8	753
2	SERS of Semiconducting Nanoparticles (TiO ₂ Hybrid Composites). <i>Journal of the American Chemical Society</i> , 2009, 131, 6040-6041.	6.6	405
3	Differential plasma protein binding to metal oxide nanoparticles. <i>Nanotechnology</i> , 2009, 20, 455101.	1.3	299
4	Morphology and properties of thermoplastic polyurethane nanocomposites incorporating hydrophilic layered silicates. <i>Polymer</i> , 2004, 45, 2249-2260.	1.8	243
5	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , 2014, 24, 4337-4342.	7.8	212
6	Corrosion of high purity Mg, Mg ₂ Zn _{0.2} Mn, ZE41 and AZ91 in Hank's solution at 37 °C. <i>Corrosion Science</i> , 2011, 53, 3542-3556.	3.0	191
7	The in vivo and in vitro corrosion of high-purity magnesium and magnesium alloys WZ21 and AZ91. <i>Corrosion Science</i> , 2013, 75, 354-366.	3.0	174
8	Allometric scaling of skin thickness, elasticity, viscoelasticity to mass for micro-medical device translation: from mice, rats, rabbits, pigs to humans. <i>Scientific Reports</i> , 2017, 7, 15885.	1.6	174
9	Long-term in vivo biostability of poly(dimethylsiloxane)/poly(hexamethylene oxide) mixed macrodiol-based polyurethane elastomers. <i>Biomaterials</i> , 2004, 25, 4887-4900.	5.7	171
10	The effect of average soft segment length on morphology and properties of a series of polyurethane elastomers. II. SAXS-DSC annealing study. <i>Journal of Applied Polymer Science</i> , 1997, 64, 803-817.	1.3	166
11	Polydimethylsiloxane/polyether-mixed macrodiol-based polyurethane elastomers: biostability. <i>Biomaterials</i> , 2000, 21, 1021-1029.	5.7	158
12	A systematic study substituting polyether polyol with palm kernel oil based polyester polyol in rigid polyurethane foam. <i>Industrial Crops and Products</i> , 2015, 66, 16-26.	2.5	154
13	Trends in the production of cellulose nanofibers from non-wood sources. <i>Cellulose</i> , 2020, 27, 575-593.	2.4	151
14	Designing Biostable Polyurethane Elastomers for Biomedical Implants. <i>Australian Journal of Chemistry</i> , 2003, 56, 545.	0.5	147
15	Nanocellulose from Spinifex as an Effective Adsorbent to Remove Cadmium(II) from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3279-3290.	3.2	138
16	Corrosion of high purity Mg, AZ91, ZE41 and Mg ₂ Zn _{0.2} Mn in Hank's solution at room temperature. <i>Corrosion Science</i> , 2011, 53, 862-872.	3.0	136
17	Effect of soft-segment CH ₂ /O ratio on morphology and properties of a series of polyurethane elastomers. <i>Journal of Applied Polymer Science</i> , 1996, 60, 557-571.	1.3	133
18	The use of cellulose nanocrystals to enhance the thermal insulation properties and sustainability of rigid polyurethane foam. <i>Industrial Crops and Products</i> , 2017, 107, 114-121.	2.5	130

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19	Cryptic Epitopes of Albumin Determine Mononuclear Phagocyte System Clearance of Nanomaterials. <i>ACS Nano</i> , 2014, 8, 3357-3366.	7.3	127
20	The effect of average soft segment length on morphology and properties of a series of polyurethane elastomers. I. Characterization of the series. <i>Journal of Applied Polymer Science</i> , 1996, 62, 1377-1386.	1.3	123
21	Minireview: Nanoparticles for Molecular Imaging—An Overview. <i>Endocrinology</i> , 2010, 151, 474-481.	1.4	119
22	The effect of formulation on the penetration of coated and uncoated zinc oxide nanoparticles into the viable epidermis of human skin in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 297-308.	2.0	111
23	Degradable alginate hydrogels crosslinked by the macromolecular crosslinker alginate dialdehyde. <i>Journal of Materials Chemistry</i> , 2012, 22, 9751.	6.7	110
24	Segmented Polyurethane Nanocomposites: Impact of Controlled Particle Size Nanofillers on the Morphological Response to Uniaxial Deformation. <i>Macromolecules</i> , 2005, 38, 7386-7396.	2.2	106
25	Physical and Electrochemical Characterization of Nanocomposite Membranes of Nafion and Functionalized Silicon Oxide. <i>Chemistry of Materials</i> , 2007, 19, 2372-2381.	3.2	95
26	Hydrolytic degradation of segmented polyurethane copolymers for biomedical applications. <i>Polymer Degradation and Stability</i> , 2012, 97, 1553-1561.	2.7	93
27	Structure–Property Relationships in Biomedical Thermoplastic Polyurethane Nanocomposites. <i>Macromolecules</i> , 2012, 45, 198-210.	2.2	89
28	Isolation of cellulose nanofibrils from <i>Triodia pungens</i> via different mechanical methods. <i>Cellulose</i> , 2015, 22, 2483-2498.	2.4	81
29	Double-Layered Modified Separators as Shuttle Suppressing Interlayers for Lithium–Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 541-549.	4.0	74
30	Production of cellulose nanocrystals via a scalable mechanical method. <i>RSC Advances</i> , 2015, 5, 57133-57140.	1.7	72
31	The influence of composition ratio on the morphology of biomedical polyurethanes. <i>Journal of Applied Polymer Science</i> , 1999, 71, 937-952.	1.3	67
32	Sorghum biomass-derived porous carbon electrodes for capacitive deionization and energy storage. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110757.	2.2	63
33	Morphology and properties of thermoplastic polyurethane composites incorporating hydrophobic layered silicates. <i>Journal of Applied Polymer Science</i> , 2005, 97, 300-309.	1.3	62
34	Easily deconstructed, high aspect ratio cellulose nanofibres from <i>Triodia pungens</i> ; an abundant grass of Australia's arid zone. <i>RSC Advances</i> , 2015, 5, 32124-32132.	1.7	60
35	Reinforcement of natural rubber latex using lignocellulosic nanofibers isolated from spinifex grass. <i>Nanoscale</i> , 2017, 9, 9510-9519.	2.8	59
36	Biorenewable blends of polyamide-11 and polylactide. <i>Polymer Engineering and Science</i> , 2014, 54, 1523-1532.	1.5	57

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37	Ultra-stable sodium ion storage of biomass porous carbon derived from sugarcane. <i>Chemical Engineering Journal</i> , 2022, 445, 136344.	6.6	56
38	Scalable processing of thermoplastic polyurethane nanocomposites toughened with nanocellulose. <i>Chemical Engineering Journal</i> , 2016, 302, 406-416.	6.6	54
39	Fluorescent layered double hydroxide nanoparticles for biological studies. <i>Applied Clay Science</i> , 2010, 48, 271-279.	2.6	53
40	Spinifex nanocellulose derived hard carbon anodes for high-performance sodium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1090-1097.	2.5	48
41	Gel point as a measure of cellulose nanofibre quality and feedstock development with mechanical energy. <i>Cellulose</i> , 2016, 23, 3051-3064.	2.4	47
42	Effect of MWCNT addition on the thermal and rheological properties of polymethyl methacrylate bone cement. <i>Carbon</i> , 2011, 49, 2893-2904.	5.4	44
43	Power generation and wastewater treatment using a novel SPEEK nanocomposite membrane in a dual chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 477-487.	3.8	44
44	Efficient lithium-ion storage using a heterostructured porous carbon framework and its <i>in situ</i> transmission electron microscopy study. <i>Chemical Communications</i> , 2022, 58, 863-866.	2.2	42
45	Blends of biorenewable polyamide-11 and polyamide-6,10. <i>Polymer</i> , 2013, 54, 6961-6970.	1.8	40
46	Hybrid polyether-palm oil polyester polyol based rigid polyurethane foam reinforced with cellulose nanocrystal. <i>Industrial Crops and Products</i> , 2018, 112, 378-388.	2.5	40
47	Quasi-solid state uniaxial and biaxial deformation of PET/MWCNT composites: structural evolution, electrical and mechanical properties. <i>RSC Advances</i> , 2013, 3, 5162.	1.7	39
48	In vitro biostability of poly(dimethyl siloxane/hexamethylene oxide)-based polyurethane/layered silicate nanocomposites. <i>Acta Biomaterialia</i> , 2013, 9, 8308-8317.	4.1	37
49	Enhanced thermal stability of biomedical thermoplastic polyurethane with the addition of cellulose nanocrystals. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	37
50	High aspect ratio nanocellulose from an extremophile spinifex grass by controlled acid hydrolysis. <i>Cellulose</i> , 2017, 24, 3753-3766.	2.4	37
51	Valorisation of technical lignin in rigid polyurethane foam: a critical evaluation on trends, guidelines and future perspectives. <i>Green Chemistry</i> , 2021, 23, 8725-8753.	4.6	36
52	Layered double hydroxide nanoparticles incorporating terbium: applicability as a fluorescent probe and morphology modifier. <i>Journal of Nanoparticle Research</i> , 2010, 12, 111-120.	0.8	35
53	Nafion-MPMDMS nanocomposite membranes with low methanol permeability. <i>Electrochemistry Communications</i> , 2007, 9, 781-786.	2.3	34
54	Radiation-induced grafting of acrylic acid onto expanded poly(tetrafluoroethylene) membranes. <i>Polymer</i> , 2012, 53, 6063-6071.	1.8	33

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55	A mixed acid methodology to produce thermally stable cellulose nanocrystal at high yield using phosphoric acid. <i>Journal of Bioresources and Bioproducts</i> , 2022, 7, 99-108.	11.8	33
56	Cellulose Nanofibers as Rheology Modifiers and Enhancers of Carbonization Efficiency in Polyacrylonitrile. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3296-3304.	3.2	32
57	Understanding the roles of nanoparticle dispersion and polymer crystallinity in controlling the mechanical properties of HA/PHBV nanocomposites. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 015003.	1.7	31
58	Biomimetic synthesis and tensile properties of nanostructured high volume fraction hydroxyapatite and chitosan biocomposite films. <i>Journal of Materials Chemistry</i> , 2010, 20, 381-389.	6.7	30
59	Improvement of the wet tensile properties of nanostructured hydroxyapatite and chitosan biocomposite films through hydrophobic modification. <i>Journal of Materials Chemistry</i> , 2011, 21, 2330-2337.	6.7	30
60	A novel strategy for preparing mechanically robust ionically cross-linked alginate hydrogels. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 025010.	1.7	30
61	Engineered nanofillers: impact on the morphology and properties of biomedical thermoplastic polyurethane nanocomposites. <i>RSC Advances</i> , 2012, 2, 9151.	1.7	28
62	Argon plasma treatment-induced grafting of acrylic acid onto expanded poly(tetrafluoroethylene) membranes. <i>Polymer</i> , 2013, 54, 6536-6546.	1.8	28
63	New methods for the assessment of in vitro and in vivo stress cracking in biomedical polyurethanes. <i>Biomaterials</i> , 2001, 22, 973-978.	5.7	27
64	Effect of the average soft-segment length on the morphology and properties of segmented polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 102, 128-139.	1.3	27
65	Evaluation of dynamic creep properties of surgical mesh prostheses—Uniaxial fatigue. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 287-296.	1.6	26
66	Synthesis and Characterization of Dual Radiolabeled Layered Double Hydroxide Nanoparticles for Use in In Vitro and In Vivo Nanotoxicology Studies. <i>Journal of Physical Chemistry C</i> , 2010, 114, 734-740.	1.5	26
67	Indigenous and modern biomaterials derived from <i>Triodia (Spinifex™)</i> grasslands in Australia. <i>Australian Journal of Botany</i> , 2012, 60, 114.	0.3	25
68	<scp>SPEEK</scp>/<scp>cSMM</scp> membrane for simultaneous electricity generation and wastewater treatment in microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 641-647.	1.6	24
69	High surface area nanoporous carbon derived from high quality jute from Bangladesh. <i>Materials Chemistry and Physics</i> , 2018, 216, 491-495.	2.0	24
70	Potassium-ion Storage in Cellulose-derived Hard Carbon: The Role of Functional Groups. <i>Batteries and Supercaps</i> , 2020, 3, 953-960.	2.4	24
71	Structural features, properties, and relaxations of PMMA-ZnO nanocomposite. <i>Journal of Materials Science</i> , 2015, 50, 2218-2228.	1.7	23
72	Facile Tuning of the Surface Energy of Cellulose Nanofibers for Nanocomposite Reinforcement. <i>ACS Omega</i> , 2018, 3, 15933-15942.	1.6	23

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73	Preparation and characterization of down shifting ZnS:Mn/PMMA nanocomposites for improving photovoltaic silicon solar cell efficiency. <i>Materials Chemistry and Physics</i> , 2013, 139, 531-536.	2.0	21
74	Evaluation of properties and specific energy consumption of spinifex-derived lignocellulose fibers produced using different mechanical processes. <i>Cellulose</i> , 2019, 26, 6555-6569.	2.4	21
75	In vivo biostability of polyurethane-organosilicate nanocomposites. <i>Acta Biomaterialia</i> , 2012, 8, 2243-2253.	4.1	20
76	Toughening of natural rubber nanocomposites by the incorporation of nanoscale lignin combined with an industrially relevant leaching process. <i>Industrial Crops and Products</i> , 2021, 159, 113063.	2.5	20
77	Sorghum as a novel biomass for the sustainable production of cellulose nanofibers. <i>Industrial Crops and Products</i> , 2021, 171, 113917.	2.5	20
78	Release of bioactive peptides from polyurethane films in vitro and in vivo: Effect of polymer composition. <i>Acta Biomaterialia</i> , 2016, 41, 264-272.	4.1	19
79	Evaluation of Coatings for Mg Alloys for Biomedical Applications. <i>Advanced Engineering Materials</i> , 2015, 17, 58-67.	1.6	18
80	Characterising the material properties at the interface between skin and a skin vaccination microprojection device. <i>Acta Biomaterialia</i> , 2016, 36, 186-194.	4.1	18
81	Dispersion Methodology for Technical Lignin into Polyester Polyol for High-Performance Polyurethane Insulation Foam. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3528-3537.	2.0	18
82	Impact of controlled particle size nanofillers on the mechanical properties of segmented polyurethane nanocomposites. <i>International Journal of Nanotechnology</i> , 2007, 4, 496.	0.1	17
83	Influence of Different Nanocellulose Additives on Processing and Performance of PAN-Based Carbon Fibers. <i>ACS Omega</i> , 2019, 4, 9720-9730.	1.6	17
84	Electrochemical Characteristics of Cobaltic Oxide in Organic Electrolyte According to Bode Plots: Double-Layer Capacitance and Pseudocapacitance. <i>ChemElectroChem</i> , 2019, 6, 2456-2463.	1.7	17
85	Effect of different preparation routes on the structure and properties of rigid polyurethane-layered silicate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2894-2903.	1.3	16
86	Interaction of Human Arylamine N-Acetyltransferase 1 with Different Nanomaterials. <i>Drug Metabolism and Disposition</i> , 2014, 42, 377-383.	1.7	16
87	Engineering tissue tubes using novel multilayered scaffolds in the rat peritoneal cavity. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 719-727.	2.1	15
88	Mechanical properties of polyamide 11 reinforced with cellulose nanofibres from <i>Triodia pungens</i> . <i>Cellulose</i> , 2018, 25, 2367-2380.	2.4	14
89	An organic matrix-mediated processing methodology to fabricate hydroxyapatite based nanostructured biocomposites. <i>Nanoscale</i> , 2009, 1, 229.	2.8	13
90	Chemical modification of multiwalled carbon nanotube with a bifunctional caged ligand for radioactive labelling. <i>Acta Materialia</i> , 2014, 64, 54-61.	3.8	13

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91	Polyethylene-layered silicate nanocomposites for rotational moulding. <i>Polymer International</i> , 2003, 52, 1774-1779.	1.6	12
92	Dynamics of Uniaxially Oriented Elastomers Using Broadband Dielectric Spectroscopy. <i>Macromolecules</i> , 2010, 43, 3125-3127.	2.2	12
93	Optimisation of resin extraction from an Australian arid grass – <i>Triodia pungens</i> ™ and its preliminary evaluation as an anti-termite timber coating. <i>Industrial Crops and Products</i> , 2014, 59, 241-247.	2.5	12
94	Synthesis and characterization of cellulose nanocrystals as reinforcing agent in solely palm based polyurethane foam. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	12
95	Graphene-Wrapped Nanoporous Nickel-Cobalt Oxide Flakes for Electrochemical Supercapacitors. <i>ChemistrySelect</i> , 2018, 3, 8505-8510.	0.7	11
96	Tuning mechanical properties of seaweeds for hard capsules: A step forward for a sustainable drug delivery medium. <i>Food Hydrocolloids for Health</i> , 2021, 1, 100023.	1.6	11
97	High-pressure freezing/freeze substitution and transmission electron microscopy for characterization of metal oxide nanoparticles within sunscreens. <i>Nanomedicine</i> , 2012, 7, 541-551.	1.7	10
98	Physico-thermal properties of spinifex resin bio-polymer. <i>Materials Chemistry and Physics</i> , 2012, 133, 692-699.	2.0	10
99	Preparation and Characterization of Spinifex Resin-based Bio-Polyurethane/Thermoplastic Polyurethane Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1535-1541.	1.9	10
100	Lignocellulosic plant cell wall variation influences the structure and properties of hard carbon derived from sorghum biomass. <i>Carbon Trends</i> , 2022, 7, 100168.	1.4	10
101	Photochemistry of low-density polyethylene-montmorillonite composites. <i>Journal of Applied Polymer Science</i> , 2009, 112, 381-389.	1.3	9
102	Preparation and characterization of green bio-composites based on modified spinifex resin and spinifex grass fibres. <i>Journal of Composite Materials</i> , 2014, 48, 1375-1382.	1.2	9
103	Effect of Supercritical Carbon Dioxide on the Loading and Release of Model Drugs from Polyurethane Films: Comparison with Solvent Casting. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 54-64.	1.1	9
104	Structure-property relationships in copolyester elastomer-layered silicate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	9
105	Atomic Layer Deposition of Metal Oxide on Nanocellulose for Enabling Microscopic Characterization of Polymer Nanocomposites. <i>Small</i> , 2018, 14, e1803439.	5.2	9
106	Rational analysis of dispersion and solubility of Kraft lignin in polyols for polyurethanes. <i>Industrial Crops and Products</i> , 2022, 185, 115129.	2.5	9
107	Assessing cellulose micro/nanofibre morphology using a high throughput fibre analysis device to predict nanopaper performance. <i>Cellulose</i> , 2022, 29, 2599-2616.	2.4	8
108	Novel Methodology to Visualize Biomass Processing Sustainability & Cellulose Nanofiber Product Quality. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3623-3632.	3.2	8

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109	Organization of mixed dimethyldioctadecylammonium and choline modifiers on the surface of synthetic hectorite. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 72-79.	5.0	7
110	Effects of the growth environment on the yield and material properties of nanocellulose derived from the Australian desert grass <i>Triodia</i> . <i>Industrial Crops and Products</i> , 2018, 126, 238-249.	2.5	7
111	The selective cleavage of lignin aliphatic C–O linkages by solvent-assisted fast pyrolysis (SAFP). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 297-307.	0.9	7
112	Soft-templated Synthesis of Sheet-Like Nanoporous Nitrogen-Doped Carbons for Electrochemical Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 1901-1907.	1.7	7
113	Effect of Processing Route on the Morphology of Thermoplastic Polyurethane (TPU) Nanocomposites Incorporating Organofluoromica. <i>Advanced Materials Research</i> , 0, 832, 27-32.	0.3	6
114	Fluoromica nanoparticle cytotoxicity in macrophages decreases with size and extent of uptake. <i>International Journal of Nanomedicine</i> , 2015, 10, 2363.	3.3	6
115	Stable non-covalent labeling of layered silicate nanoparticles for biological imaging. <i>Materials Science and Engineering C</i> , 2016, 61, 674-680.	3.8	6
116	Magnesium Corrosion in Different Solutions. <i>Materials Science Forum</i> , 0, 690, 369-372.	0.3	5
117	Preparation and Characterization of Polyurethanes from Spinifex Resin Based Bio-Polymer. <i>Journal of Polymers and the Environment</i> , 2012, 20, 326-334.	2.4	5
118	Dip-and-Drag Lateral Force Spectroscopy for Measuring Adhesive Forces between Nanofibers. <i>Langmuir</i> , 2016, 32, 13340-13348.	1.6	5
119	In vitro mineralisation of grafted ePTFE membranes carrying carboxylate groups. <i>Bioactive Materials</i> , 2017, 2, 27-34.	8.6	5
120	Reduced Graphene Oxide (rGO) Prepared by Metal-Induced Reduction of Graphite Oxide: Improved Conductive Behavior of a Poly(methyl methacrylate) (PMMA)/rGO Composite. <i>ChemistrySelect</i> , 2019, 4, 7954-7958.	0.7	5
121	Understanding the roles of nanoparticle dispersion and polymer crystallinity in controlling the mechanical properties of HA/PHBV nanocomposites. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 015003.	1.7	4
122	High-Resolution R2R-Compatible Printing of Carbon Nanotube Conductive Patterns Enabled by Cellulose Nanocrystals. <i>ACS Applied Nano Materials</i> , 2022, 5, 1574-1587.	2.4	4
123	A cleaner processing approach for cellulose reinforced thermoplastic polyurethane nanocomposites. <i>Polymer Engineering and Science</i> , 0, , .	1.5	4
124	The effect of carbon nanotube hydrophobicity on the mechanical properties of carbon nanotube-reinforced thermoplastic polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2010, 117, 24-32.	1.3	3
125	Effects of Processing Method and Nanofiller Size on Mechanical Properties of Biomedical Thermoplastic Polyurethane (TPU) Nanocomposites. <i>Advanced Materials Research</i> , 0, 911, 115-119.	0.3	3
126	Reduction of aspect ratio of fluoromica using high-energy milling. <i>Applied Clay Science</i> , 2015, 114, 315-320.	2.6	3

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127	Are There Generalizable Trends in the Release of Airborne Synthetic Clay Nanoparticles from a Jet Milling Process?. <i>Aerosol and Air Quality Research</i> , 2015, 15, 365-375.	0.9	3
128	Processing and rheological properties of polyol/cellulose nanofibre dispersions for polyurethanes. <i>Polymer</i> , 2022, 255, 125130.	1.8	3
129	Impact of Controlled Hydrophobicity of the Organically Modified Silicates on the Properties of Biomedical Thermoplastic Polyurethane (TPU) Nanocomposites. <i>Advanced Materials Research</i> , 0, 795, 9-13.	0.3	2
130	The effect of fibre length and matrix modification on the fire performance of thermoplastic composites: The behaviour of PP as an example of non-charring matrix. <i>Journal of Thermoplastic Composite Materials</i> , 2020, , 089270572092513.	2.6	2
131	Grafting from cellulose nanofibres with naturally-derived oil to reduce water absorption. <i>Polymer</i> , 2021, 222, 123659.	1.8	2
132	Designing Biostable Polyurethane Elastomers for Biomedical Implants.. <i>ChemInform</i> , 2003, 34, no.	0.1	1
133	Property improvements of thermoplastic copolyester with a multifunctional mixture/nanofiller by reactive extrusion. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46369.	1.3	1
134	What are the Driving Factors Influencing the Size Distribution of Airborne Synthetic Clay Particles Emitted from a Jet Milling Process?. <i>Aerosol and Air Quality Research</i> , 2017, 16, 25-35.	0.9	1
135	Polymer Nanocomposites Characterization: Atomic Layer Deposition of Metal Oxide on Nanocellulose for Enabling Microscopic Characterization of Polymer Nanocomposites (Small 46/2018). <i>Small</i> , 2018, 14, 1870217.	5.2	0
136	Nanocellulose: a sustainable nanomaterial for controlled drug delivery applications. , 2022, , 217-253.		0