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List of Publications by Year
in descending order

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29 papers	1,162 citations	393982 19 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	1551 citing authors

#	Article	IF	Citations
1	Î²-Carrageenan Gel Modified Mesoporous Gold Chronocoulometric Sensor for Ultrasensitive Detection of MicroRNA. Bulletin of the Chemical Society of Japan, 2022, 95, 198-207.	2.0	10
2	Ultra-stable sodium ion storage of biomass porous carbon derived from sugarcane. Chemical Engineering Journal, 2022, 445, 136344.	6.6	56
3	Toughening of natural rubber nanocomposites by the incorporation of nanoscale lignin combined with an industrially relevant leaching process. Industrial Crops and Products, 2021, 159, 113063.	2.5	20
4	Grafting from cellulose nanofibres with naturally-derived oil to reduce water absorption. Polymer, 2021, 222, 123659.	1.8	2
5	Microalgal nanocellulose â€“ opportunities for a circular bioeconomy. Trends in Plant Science, 2021, 26, 924-939.	4.3	25
6	Tailored nanocellulose-grafted polymer brush applications. Journal of Materials Chemistry A, 2021, 9, 17173-17188.	5.2	18
7	Trends in the production of cellulose nanofibers from non-wood sources. Cellulose, 2020, 27, 575-593.	2.4	151
8	Magnetic nanocellulose: A potential material for removal of dye from water. Journal of Hazardous Materials, 2020, 394, 122571.	6.5	75
9	Red-mud based porous nanocatalysts for valorisation of municipal solid waste. Journal of Hazardous Materials, 2020, 396, 122711.	6.5	35
10	Evaluation of properties and specific energy consumption of spinifex-derived lignocellulose fibers produced using different mechanical processes. Cellulose, 2019, 26, 6555-6569.	2.4	21
11	Influence of Different Nanocellulose Additives on Processing and Performance of PAN-Based Carbon Fibers. ACS Omega, 2019, 4, 9720-9730.	1.6	17
12	Mechanical properties of polyamide 11 reinforced with cellulose nanofibres from Triodia pungens. Cellulose, 2018, 25, 2367-2380.	2.4	14
13	Nanocellulose from Spinifex as an Effective Adsorbent to Remove Cadmium(II) from Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 3279-3290.	3.2	138
14	Facile Tuning of the Surface Energy of Cellulose Nanofibers for Nanocomposite Reinforcement. ACS Omega, 2018, 3, 15933-15942.	1.6	23
15	Effects of the growth environment on the yield and material properties of nanocellulose derived from the Australian desert grass Triodia. Industrial Crops and Products, 2018, 126, 238-249.	2.5	7
16	Cellulose Nanofibers as Rheology Modifiers and Enhancers of Carbonization Efficiency in Polyacrylonitrile. ACS Sustainable Chemistry and Engineering, 2017, 5, 3296-3304.	3.2	32
17	Spinifex nanocellulose derived hard carbon anodes for high-performance sodium-ion batteries. Sustainable Energy and Fuels, 2017, 1, 1090-1097.	2.5	48
18	Reinforcement of natural rubber latex using lignocellulosic nanofibers isolated from spinifex grass. Nanoscale, 2017, 9, 9510-9519.	2.8	59

#	Article	IF	Citations
19	High aspect ratio nanocellulose from an extremophile spinifex grass by controlled acid hydrolysis. Cellulose, 2017, 24, 3753-3766.	2.4	37
20	Nanotechnology and the Dreamtime knowledge of spinifex grass. , 2017, , 181-198.		3
21	Dip-and-Drag Lateral Force Spectroscopy for Measuring Adhesive Forces between Nanofibers. Langmuir, 2016, 32, 13340-13348.	1.6	5
22	Scalable processing of thermoplastic polyurethane nanocomposites toughened with nanocellulose. Chemical Engineering Journal, 2016, 302, 406-416.	6.6	54
23	Easily deconstructed, high aspect ratio cellulose nanofibres from Triodia pungens; an abundant grass of Australia's arid zone. RSC Advances, 2015, 5, 32124-32132.	1.7	60
24	Isolation of cellulose nanofibrils from Triodia pungens via different mechanical methods. Cellulose, 2015, 22, 2483-2498.	2.4	81
25	Optimisation of resin extraction from an Australian arid grass â€˜Triodia pungensâ€™ and its preliminary evaluation as an anti-termite timber coating. Industrial Crops and Products, 2014, 59, 241-247.	2.5	12
26	Structural characterization and mechanical properties of electrospun silk fibroin nanofiber mats. Polymer Science - Series A, 2010, 52, 407-412.	0.4	66
27	Effects of some electrospinning parameters on morphology of natural silkâ€based nanofibers. Journal of Applied Polymer Science, 2009, 113, 226-234.	1.3	52
28	Electrospinning of silk nanofibers. I. An investigation of nanofiber morphology and process optimization using response surface methodology. Fibers and Polymers, 2009, 10, 167-176.	1.1	39
29	Evaluation of reinforcement on the mechanical behavior of partially bonded fiber/matrix interface. Composite Interfaces, 2007, 14, 647-668.	1.3	1