Hanieh Kargarzadeh

List of Publications by Year
in descending order

30	3,255	331538 21	580701 25
papers	citations	h-index	g-index

39	39	39	3999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of hydrolysis conditions on the morphology, crystallinity, and thermal stability of cellulose nanocrystals extracted from kenaf bast fibers. Cellulose, 2012, 19, 855-866.	2.4	674
2	Recent developments on nanocellulose reinforced polymer nanocomposites: A review. Polymer, 2017, 132, 368-393.	1.8	475
3	Extraction of cellulose nanocrystals from mengkuang leaves (Pandanus tectorius). Carbohydrate Polymers, 2012, 88, 772-779.	5.1	402
4	Advances in cellulose nanomaterials. Cellulose, 2018, 25, 2151-2189.	2.4	329
5	Cellulose nanocrystal: A promising toughening agent for unsaturated polyester nanocomposite. Polymer, 2015, 56, 346-357.	1.8	167
6	Potential of using multiscale kenaf fibers as reinforcing filler in cassava starch-kenaf biocomposites. Carbohydrate Polymers, 2013, 92, 2299-2305.	5.1	126
7	Recent Developments in Nanocellulose-Based Aerogels in Thermal Applications: A Review. ACS Nano, 2021, 15, 3849-3874.	7.3	122
8	Starch biocomposite film reinforced by multiscale rice husk fiber. Composites Science and Technology, 2017, 151, 147-155.	3.8	100
9	Hydrophobic kenaf nanocrystalline cellulose for the binding of curcumin. Carbohydrate Polymers, 2017, 163, 261-269.	5.1	93
10	Comprehensive exploration of natural degradation of poly(lactic acid) blends in various degradation media: A review. International Journal of Biological Macromolecules, 2021, 187, 732-741.	3.6	74
11	PBAT green composites: Effects of kraft lignin particles on the morphological, thermal, crystalline, macro and micromechanical properties. Polymer, 2020, 203, 122748.	1.8	70
12	Nanocellulose in biomedical and biosensing applications: A review. International Journal of Biological Macromolecules, 2021, 166, 587-600.	3.6	62
13	Preparation of Nickel hydroxide nanoplates modified activated carbon for Malachite Green removal from solutions: Kinetic, thermodynamic, isotherm and antibacterial studies. Chemical Engineering Research and Design, 2016, 102, 85-97.	2.7	56
14	Cellulose nanocrystal reinforced liquid natural rubber toughened unsaturated polyester: Effects of filler content and surface treatment on its morphological, thermal, mechanical, and viscoelastic properties. Polymer, 2015, 71, 51-59.	1.8	54
15	Effect of Aminosilane Modification on Nanocrystalline Cellulose Properties. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	47
16	Cassava starch biocomposites reinforced with cellulose nanocrystals from kenaf fibers. Composite Interfaces, 2013, 20, 189-199.	1.3	45
17	Functionalized liquid natural rubber and liquid epoxidized natural rubber: A promising green toughening agent for polyester. Journal of Applied Polymer Science, 2015, 132, .	1.3	40
18	Enhanced adsorption and catalytic oxidation of ciprofloxacin on hierarchical CuS hollow nanospheres@N-doped cellulose nanocrystals hybrid composites: Kinetic and radical generation mechanism studies. Chemical Engineering Journal, 2018, 335, 567-578.	6.6	40

#	Article	IF	Citations
19	Cetyltrimethylammonium bromide-nanocrystalline cellulose (CTAB-NCC) based microemulsions for enhancement of topical delivery of curcumin. Carbohydrate Polymers, 2021, 254, 117401.	5.1	36
20	Efficient method for determination of methylene blue dye in water samples based on a combined dispersive solid phase and cloud point extraction using Cu(OH)2 nanoflakes: central composite design optimization. Analytical and Bioanalytical Chemistry, 2017, 409, 1079-1092.	1.9	26
21	Novel, facile, and fast technique for synthesis of AgCl nanorods loaded on activated carbon for removal of methylene blue dye. Chemical Engineering Research and Design, 2016, 103, 212-226.	2.7	23
22	Toughened polyester cellulose nanocomposites: Effects of cellulose nanocrystals and liquid epoxidized natural rubber on morphology and mechanical properties. Industrial Crops and Products, 2015, 72, 125-132.	2.5	17
23	Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. Nanoscale Research Letters, 2018, 13, 112.	3.1	17
24	Synthesis of ZnO photocatalyst modified with activated carbon for a perfect degradation of ciprofloxacin and its secondary pollutants. Applied Organometallic Chemistry, 2018, 32, e4198.	1.7	15
25	Properties of Aminosilane Modified Nanocrytalline Cellulose (NCC) from Oil Palm Empty Fruit Bunch (OPEFB) Fibers. Materials Science Forum, 0, 888, 284-289.	0.3	8
26	Cavitation in high density polyethylene/Al2O3 nanocomposites. Composites Science and Technology, 2020, 199, 108323.	3.8	8
27	Mechanical Properties of Epoxy/Rubber Blends. , 2017, , 279-314.		5
28	Preparation and Characterizations of Cassava Starch Nanocomposite Reinforced Kenaf. Advanced Materials Research, 0, 545, 348-352.	0.3	3
29	Mechanical Properties of Epoxyâ€“Rubber Blends. , 2015, , 1-36.		3
30	Rubber toughened polyester cellulose nanocomposites. AIP Conference Proceedings, 2018, , .	0.3	0