

Rachid Bouhfid

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,199
citations

257101

24
h-index

264894

42
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80
all docs

80
docs citations

80
times ranked

2055
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosslinked starch-coated cellulosic papers as alternative food-packaging materials. RSC Advances, 2022, 12, 8536-8546.	1.7	22
2	pH-indicative Films Based on Chitosan/PVA/Sepiolite and Anthocyanin from Red Cabbage: Application in Milk Packaging. Journal of Bionic Engineering, 2022, 19, 837-851.	2.7	14
3	Packaging and bionanocomposites. , 2022, , 91-113.		2
4	Bio-films based on alginate/modified clay through spray drying: Mechanical, rheological, morphological, and transport properties for potential use as active food packaging. International Journal of Biological Macromolecules, 2022, 210, 663-668.	3.6	10
5	Rheology and crystallization of polymer nanocomposites. , 2022, , 29-47.		1
6	Morphology control of poly(lactic) acid/polypropylene blend composite by using silanized cellulose fibers extracted from coir fibers. Cellulose, 2022, 29, 6759-6782.	2.4	5
7	Efficient hybrid bionanocomposites based on iron-modified TiO ₂ for dye degradation via an adsorption-photocatalysis synergy under UV-Visible irradiations. Environmental Science and Pollution Research, 2021, 28, 14018-14027.	2.7	9
8	Bioformulation of Microbial Fertilizer Based on Clay and Alginate Encapsulation. Current Microbiology, 2021, 78, 86-94.	1.0	32
9	Thermo-mechanical properties of low-cost "green" phenolic resin composites reinforced with surface modified coir fiber. International Journal of Advanced Manufacturing Technology, 2021, 112, 1917-1930.	1.5	15
10	Cellulose nanocrystal (CNC): Inorganic hybrid nanocomposites. , 2021, , 181-203.		2
11	Recent advances in the fabrication of hybrid natural fiber composites. , 2021, , 113-131.		5
12	Modeling for the process and the prediction of the thermal and mechanical behavior for the biopolymers and bio-composites. , 2021, , 193-218.		1
13	Antimicrobial coated food packaging paper from agricultural biomass. , 2021, , 35-63.		2
14	Mechanical modeling of hybrid nanocomposites based on cellulose nanocrystals/nanofibrils and nanoparticles. , 2021, , 247-270.		1
15	Improvement of Fiber-Matrix Adhesion of Vegetable Natural Fibers by Chemical Treatment. Composites Science and Technology, 2021, , 153-177.	0.4	1
16	Rheological Properties of Hybrid Nanocomposites Based on Graphene and Other Nanoparticles. Composites Science and Technology, 2021, , 283-312.	0.4	1
17	Hybrid Nanocomposites Based on Graphene and Nano-clay: Preparation, Characterization, and Synergistic Effect. Composites Science and Technology, 2021, , 153-181.	0.4	1
18	Assessment of thermo-mechanical, dye discoloration, and hygroscopic behavior of hybrid composites based on polypropylene/clay (illite)/TiO ₂ . International Journal of Advanced Manufacturing Technology, 2021, 113, 2615-2628.	1.5	12

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19	Characteristics of cellulose microfibers and nanocrystals isolated from doum tree (Chamaerops) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	2.4	25
20	Effect of fly ash and coupling agent on the structural, morphological, thermal, and mechanical properties of polyamide 6/acrylonitrile-butadiene-styrene blend. Polymer Composites, 2021, 42, 3518-3538.	2.3	11
21	Highly synergic adsorption/photocatalytic efficiency of Alginate/Bentonite impregnated TiO ₂ beads for wastewater treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 412, 113215.	2.0	58
22	Recent progress on Ag/TiO ₂ photocatalysts: photocatalytic and bactericidal behaviors. Environmental Science and Pollution Research, 2021, 28, 44638-44666.	2.7	167
23	Solid-state zwitterionic tautomerization of 2-((5-methyl-1H-pyrazol-3-yl)methyl)-1H-benzimidazole: Synthesis, characterization, DFT calculation and docking studies. Journal of Molecular Structure, 2021, 1235, 130231.	1.8	5
24	Photoluminescent biocomposite films of chitosan based on styrylbenzothiazolium-g-cellulose nanocrystal for anti-counterfeiting applications. International Journal of Biological Macromolecules, 2021, 184, 981-989.	3.6	12
25	Novel photocatalyst based on date palm fibers for efficient dyes removal. Journal of Water Process Engineering, 2021, 43, 102167.	2.6	16
26	Insight into the bionanocomposite applications on wastewater decontamination: Review. Journal of Water Process Engineering, 2021, 43, 102198.	2.6	17
27	Active biofilms for food packaging applications. , 2021, , 65-84.		4
28	Modeling of Damage Evaluation and Failure of Laminated Composite Materials. , 2021, , 101-125.		3
29	Synthesis, characterization and DFT studies of 6-bis(2-(thiazol-4-yl)-benzimidazol-1-yl)hexane hemihydrate crystal: Experimental and theoretical investigation. Journal of Molecular Structure, 2020, 1202, 127253.	1.8	7
30	The effect of benzothiazolium surfactant modified montmorillonite content on the properties of polyamide 6 nanocomposites. Applied Clay Science, 2020, 185, 105417.	2.6	32
31	Micro- and nano-celluloses derived from hemp stalks and their effect as polymer reinforcing materials. Carbohydrate Polymers, 2020, 245, 116506.	5.1	104
32	Effect of iron doped titanium oxide encapsulated in alginate on photocatalytic activity for the removal of dye pollutants. RSC Advances, 2020, 10, 22311-22317.	1.7	12
33	Synthesis, characterization and <i>in vitro</i> anticancer activity of thiabendazole-derived 1,2,3-triazole derivatives. New Journal of Chemistry, 2020, 44, 12099-12106.	1.4	16
34	Injection molding of short fiber thermoplastic bio-composites: Prediction of the fiber orientation. Journal of Composite Materials, 2020, 54, 4787-4797.	1.2	11
35	Synthesis, crystal structure, spectroscopic, thermal properties and DFT calculation of a novel ethyl 2-(2-(thiazol-4-yl)-1H-benzimidazol-1-yl)acetate. Journal of Molecular Structure, 2020, 1209, 127939.	1.8	5
36	Effect of chitosan/modified montmorillonite coating on the antibacterial and mechanical properties of date palm fiber trays. International Journal of Biological Macromolecules, 2020, 148, 316-323.	3.6	32

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37	Effects of bleaching and functionalization of kaolinite on the mechanical and thermal properties of polyamide 6 nanocomposites. RSC Advances, 2020, 10, 4916-4926.	1.7	28
38	Recent Advances in the Synthesis and Applications of Thiabendazole Derivatives: A Short Review. Current Organic Chemistry, 2020, 24, 2367-2377.	0.9	3
39	Date Palm Fiber Extraction and Treatment. , 2020, , 75-91.		9
40	Recent Advances in the Synthesis and Applications of Thiabendazole Derivatives: A Short Review. Current Organic Chemistry, 2020, 24, 2367-2377.	0.9	5
41	Mechanical properties prediction of polypropylene/short coir fibers composites using a self-consistent approach. Polymer Composites, 2019, 40, 1919-1929.	2.3	25
42	N-Silylated Benzothiazolium Dye as a Coupling Agent for Polylactic Acid/Date Palm Fiber Bio-composites. Journal of Polymers and the Environment, 2019, 27, 2974-2987.	2.4	33
43	Processing and Biomedical Applications of Polymer/Organo-modified Clay Bionanocomposites. , 2019, , 405-428.		1
44	Chitosan/polyvinyl alcohol/thiabendazolium-montmorillonite bio-nanocomposite films: Mechanical, morphological and antimicrobial properties. Composites Part B: Engineering, 2019, 172, 103-110.	5.9	75
45	Synthesis, crystal and DFT studies of N-(carboxyethyl)-2-methylbenzothiazolium bromide. Journal of Molecular Structure, 2019, 1193, 303-309.	1.8	8
46	Synthesis, characterization and in vitro antiproliferative evaluation of ionic liquids based on alkyl-substituted thiabendazolium. Journal of Molecular Liquids, 2019, 282, 63-69.	2.3	12
47	Injection molding of short coir fiber polypropylene biocomposites: Prediction of the mold filling phase. Polymer Composites, 2019, 40, 4042-4055.	2.3	18
48	4. Natural fiber-based biocomposites: Effect of orientation on mechanical properties. , 2019, , 49-80.		5
49	Fracture surface morphologies in understanding of composite structural behavior. , 2019, , 277-293.		4
50	Mechanical performance of natural fibers-based thermosetting composites. , 2019, , 43-60.		68
51	Crystal structure, DFT study and Hirshfeld surface analysis of ethyl 6-chloro-2-ethoxyquinoline-4-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 912-916.	0.2	7
52	Effect of silane functionalization on properties of polypropylene/clay nanocomposites. Composites Part B: Engineering, 2018, 146, 106-115.	5.9	111
53	Bio-active nanocomposite films based on nanocrystalline cellulose reinforced styrylquinoxalin-grafted-chitosan: Antibacterial and mechanical properties. International Journal of Biological Macromolecules, 2018, 114, 733-740.	3.6	32
54	Effect of nylon 6 (PA) addition on the properties of glass fiber reinforced acrylonitrile-butadiene-styrene. Polymer Composites, 2018, 39, 14-21.	2.3	19

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55	Graphene/montmorillonite hybrid nanocomposites based on polypropylene: Morphological, mechanical, and rheological properties. <i>Polymer Composites</i> , 2018, 39, 2046-2053.	2.3	15
56	A Comparative Study of Doum fiber and Shrimp Chitin Based Reinforced Low Density Polyethylene Biocomposites. <i>Journal of Polymers and the Environment</i> , 2018, 26, 443-451.	2.4	6
57	Influence of graphene oxide and graphene nanosheet on the properties of polyvinylidene fluoride nanocomposites. <i>Polymer Composites</i> , 2018, 39, 2932-2941.	2.3	26
58	Alfa fibers/clay hybrid composites based on polypropylene. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 974-991.	2.6	28
59	Production and Characterization of High Density Polyethylene Reinforced by Eucalyptus Capsule Fibers. <i>Journal of Bionic Engineering</i> , 2018, 15, 558-566.	2.7	11
60	Structural laminated hybrid composites based on raffia and glass fibers: Effect of alkali treatment, mechanical and thermal properties. <i>Composites Part B: Engineering</i> , 2018, 154, 128-137.	5.9	40
61	Thermo-mechanical performances of polypropylene biocomposites based on untreated, treated and compatibilized spent coffee grounds. <i>Composites Part B: Engineering</i> , 2018, 149, 1-11.	5.9	86
62	Chitosan-graphene oxide films and CO ₂ -dried porous aerogel microspheres: Interfacial interplay and stability. <i>Carbohydrate Polymers</i> , 2017, 167, 297-305.	5.1	84
63	Mechanical, thermal, and rheological properties of polypropylene hybrid composites based clay and graphite. <i>Journal of Composite Materials</i> , 2017, 51, 3563-3576.	1.2	41
64	A comparison between bio- and mineral calcium carbonate on the properties of polypropylene composites. <i>Construction and Building Materials</i> , 2017, 134, 549-555.	3.2	68
65	Morphological, thermal, mechanical, electrical and magnetic properties of ABS/PA6/SBR blends with Fe ₃ O ₄ nano-particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17120-17130.	1.1	30
66	Phosphogypsum Waste Used as Reinforcing Fillers in Polypropylene Based Composites: Structural, Mechanical and Thermal Properties. <i>Journal of Polymers and the Environment</i> , 2017, 25, 658-666.	2.4	33
67	Recent Advances in Polymer Recycling: A Short Review. <i>Current Organic Synthesis</i> , 2017, 14, 171-185.	0.7	15
68	Extraction and Characterization of Nanocrystalline Cellulose from Doum (<i>Chamaerops humilis</i>) Leaves: A Potential Reinforcing Biomaterial. <i>Journal of Polymers and the Environment</i> , 2016, 24, 356-362.	2.4	25
69	Mechanical and thermal properties of hybrid composites: Oil-palm fiber/clay reinforced high density polyethylene. <i>Mechanics of Materials</i> , 2016, 98, 36-43.	1.7	132
70	Insightful understanding of the role of clay topology on the stability of biomimetic hybrid chitosan-clay thin films and CO ₂ -dried porous aerogel microspheres. <i>Carbohydrate Polymers</i> , 2016, 146, 353-361.	5.1	49
71	Biocomposites based on Argan nut shell and a polymer matrix: Effect of filler content and coupling agent. <i>Carbohydrate Polymers</i> , 2016, 143, 70-83.	5.1	98
72	Copper(I) Confined in Interlayer Space of Montmorillonite: A Highly Efficient and Recyclable Catalyst for Click Reaction. <i>Catalysis Letters</i> , 2016, 146, 136-143.	1.4	29

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73	Characterization and Use of Coir, Almond, Apricot, Argan, Shells, and Wood as Reinforcement in the Polymeric Matrix in Order to Valorize These Products. , 2015, , 305-339.		26
74	Morphological, Structural, Thermal and Tensile Properties of High Density Polyethylene Composites Reinforced with Treated Argan Nut Shell Particles. Journal of Bionic Engineering, 2015, 12, 129-141.	2.7	120
75	Intercalation of nickel and cobalt thiabendazole complexes into montmorillonite. Applied Clay Science, 2012, 65-66, 139-142.	2.6	15
76	Chitosanâ€montmorillonite bio-based aerogel hybrid microspheres. Microporous and Mesoporous Materials, 2012, 152, 208-213.	2.2	57
77	An Efficient Synthesis of New Spiro[indolo-3(1H),2â€™(3â€™H)-oxadiazolyl] and 1-(Triazol-4-ylmethyl)isatin Derivatives. Heterocycles, 2005, 65, 2949.	0.4	23
78	Effect of Hybridization and Long-Term Aging on Mechanical and Rheological Properties Epoxy Laminate Composites: Case of Jute/Coir Fibres and Jute/Doum Fibres. Waste and Biomass Valorization, 0, , 1.	1.8	1