

Fauze Ahmad Aouada

List of Publications by Year in descending order

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66
papers

3,141
citations

236612

25
h-index

161609

54
g-index

67
all docs

67
docs citations

67
times ranked

4095
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances on nanohybrid systems constituting clay-chitosan with organic molecules – A review. <i>Applied Clay Science</i> , 2022, 226, 106548.	2.6	14
2	Effect of green tea extract on gelatin-based films incorporated with lemon essential oil. <i>Journal of Food Science and Technology</i> , 2021, 58, 1-8.	1.4	28
3	Avaliação e caracterização de biofilme comestível de carboximetilcelulose contendo nanopartículas de quitosana e Cárcuma longa. <i>Revista Materia</i> , 2021, 26, .	0.1	1
4	Correlating pH and Swelling Degree Parameters to Understand the Sorption and Desorption Process of Diquat Herbicide from Nanocomposites Based on Polysaccharide and Clinoptilolite. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3389-3400.	2.4	10
5	Effect of Different Surface-Charged Lamellar Materials on Swelling Properties of Nanocomposite Hydrogels. <i>Journal of Polymers and the Environment</i> , 2021, 29, 3311-3323.	2.4	4
6	Properties, synthesis, characterization and application of hydrogel and magnetic hydrogels: A concise review. , 2021, , 437-457.		2
7	Performance of Gelatin Films Reinforced with Cloisite Na+ and Black Pepper Essential Oil Loaded Nanoemulsion. <i>Polymers</i> , 2021, 13, 4298.	2.0	12
8	Upcycling Microbial Cellulose Scraps into Nanowhiskers with Engineered Performance as Fillers in All-Cellulose Composites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46661-46666.	4.0	9
9	Effect of Hydrogel Nanocomposites on the Fresh and Hardened Properties of Cementitious Pastes. <i>Macromolecular Symposia</i> , 2020, 394, 2000047.	0.4	0
10	On the preparation and physicochemical properties of pH-responsive hydrogel nanocomposite based on poly(acid methacrylic)/laponite RDS. <i>Materials Today Communications</i> , 2020, 23, 100936.	0.9	19
11	Combining Cupuassu (<i>Theobroma grandiflorum</i>) Puree, Pectin, and Chitosan Nanoparticles into Novel Edible Films for Food Packaging Applications. <i>Journal of Food Science</i> , 2019, 84, 2228-2233.	1.5	35
12	Development of alginate/starch-based hydrogels crosslinked with different ions: Hydrophilic, kinetic and spectroscopic properties. <i>Materials Today Communications</i> , 2019, 21, 100636.	0.9	19
13	EFEITO DO PH, ESPALCIE E CONCENTRAÇÃO NA ABSORÇÃO DE ÁGUA DE HIDROGELIS BIONANOCOMPOSTOS CONSTITUÍDOS DE CMC/PAAM/LAPONITA RDS. <i>Quimica Nova</i> , 2019, , .	0.3	0
14	Desenvolvimento de metodologia visando a obtenção de compostos estruturais para aplicação em longarinas de Aerodesigns. <i>Journal of Experimental Techniques and Instrumentation</i> , 2019, 2, 10-18.	0.1	0
15	Otimização de metodologia de obtenção de pastas cimentícias contendo hidrogéis. <i>Journal of Experimental Techniques and Instrumentation</i> , 2019, 2, 1-9.	0.1	0
16	Preparação e caracterização de biofilmes comestíveis a base de nanoestruturas poliméricas em matriz de pectina. <i>Journal of Experimental Techniques and Instrumentation</i> , 2019, 2, 19-25.	0.1	0
17	Nanocellulose nanocomposite hydrogels: technological and environmental issues. <i>Green Chemistry</i> , 2018, 20, 2428-2448.	4.6	228
18	Thermal and morphological characterization of highly porous nanocomposites for possible application in potassium controlled release. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2205-2212.	2.0	14

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19	INFLUÊNCIA DA NANOEMULSÃO DE ÓLEO ESSENCIAL DE LIMÃO EM FILMES À BASE DE GELATINA. Química Nova, 2018, , .	0.3	1
20	Water Absorption and Physicochemical Characterization of Novel Zeolite-PMAA-co-PAAm Nanocomposites. Journal of Nanoscience and Nanotechnology, 2018, 18, 7286-7295.	0.9	9
21	POLYSACCHARIDE-BASED NANOCOMPOSITE HYDROGELS WITH ZEOLITE: EVALUATION OF THE SORPTION PROCESS OF PESTICIDE PARAQUAT. Química Nova, 2018, , .	0.3	4
22	Thermal, microstructural, and spectroscopic analysis of Ca ²⁺ alginate/clay nanocomposite hydrogel beads. Journal of Molecular Liquids, 2018, 265, 327-336.	2.3	99
23	Synthesis and Characterization of Intercalated Nanocomposites Based on Poly(methacrylic acid) Hydrogel and Nanoclay Cloisite-Na ⁺ for Possible Application in Agriculture. Journal of Nanoscience and Nanotechnology, 2017, 17, 5878-5883.	0.9	23
24	Hybrid Biodegradable Hydrogels Obtained from Nanoclay and Carboxymethylcellulose Polysaccharide: Hydrophilic, Kinetic, Spectroscopic and Morphological Properties. Journal of Nanoscience and Nanotechnology, 2017, 17, 821-827.	0.9	8
25	Efficiency Improvement of Cellulose Derivative Nanocomposite Using Titanium Dioxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2017, 17, 2206-2211.	0.9	2
26	Otimização da síntese de hidrogéis nanocompostos intercalados para possível aplicação na área médica. Química Nova, 2016, , .	0.3	2
27	Macro- and Micronutrient Simultaneous Slow Release from Highly Swellable Nanocomposite Hydrogels. Journal of Agricultural and Food Chemistry, 2016, 64, 3133-3140.	2.4	44
28	OBTAINMENT OF HYBRID COMPOSITES BASED ON HYDROGEL AND PORTLAND CEMENT. Química Nova, 2016, , .	0.3	1
29	Chelating and antibacterial properties of chitosan nanoparticles on dentin. Restorative Dentistry & Endodontics, 2015, 40, 195.	0.6	79
30	Superabsorbent hydrogels based on polysaccharides for application in agriculture as soil conditioner and nutrient carrier: A review. European Polymer Journal, 2015, 72, 365-385.	2.6	514
31	Nanotechnology Applied in Agriculture: Controlled Release of Agrochemicals. , 2015, , 103-118.		24
32	Preparação de novos nanobiocompostos comestíveis ativos contendo nanoemulsão de canela e pectina. Polímeros, 2014, 24, 486-490.	0.2	9
33	MECHANICAL AND STRUCTURAL CHARACTERIZATION OF A PDLC DEVICE BASED ON PAAm HYDROGELS AND KL-DeOH-H ₂ O LYOTROPIC LIQUID CRYSTAL. Química Nova, 2014, , .	0.3	0
34	Entrapment characteristics of hydrosoluble vitamins loaded into chitosan and N,N,N-trimethyl chitosan nanoparticles. Macromolecular Research, 2014, 22, 1261-1267.	1.0	27
35	Antimicrobial and physical-mechanical properties of pectin/papaya puree/cinnamaldehyde nanoemulsion edible composite films. Food Hydrocolloids, 2014, 41, 188-194.	5.6	279
36	Nanocomposite PAAm/Methyl Cellulose/Montmorillonite Hydrogel: Evidence of Synergistic Effects for the Slow Release of Fertilizers. Journal of Agricultural and Food Chemistry, 2013, 61, 7431-7439.	2.4	192

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37	Enhanced bulk and superficial hydrophobicities of starch-based bionanocomposites by addition of clay. <i>Industrial Crops and Products</i> , 2013, 50, 449-455.	2.5	25
38	A simple procedure for the preparation of laponite and thermoplastic starch nanocomposites: Structural, mechanical, and thermal characterizations. <i>Journal of Thermoplastic Composite Materials</i> , 2013, 26, 109-124.	2.6	23
39	Hybrid Nanocomposites Containing Carboxymethylcellulose and Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1946-1950.	0.9	6
40	Development of Novel Guava Puree Films Containing Chitosan Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2711-2717.	0.9	38
41	Investiga��o do processo de absor��o de �gua de hidrog�is de polissacar�deo: efeito da carga i�nica, presen�a de sais, concentra��es de mon�mero e polissacar�deo. <i>Polimeros</i> , 2012, 22, 311-317.	0.2	13
42	N,N,N-trimethyl chitosan nanoparticles as a vitamin carrier system. <i>Food Hydrocolloids</i> , 2012, 27, 487-493.	5.6	89
43	Application of polysaccharide hydrogels in adsorption and controlled extended release of fertilizers processes. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2291-2298.	1.3	68
44	Barrier and Mechanical Properties of Clay-Reinforced Polymeric Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1323-1328.	1.9	30
45	Preparation and Characterization of Novel Micro- and Nanocomposite Hydrogels Containing Cellulosic Fibrils. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9433-9442.	2.4	74
46	New strategies in the preparation of exfoliated thermoplastic starch/montmorillonite nanocomposites. <i>Industrial Crops and Products</i> , 2011, 34, 1502-1508.	2.5	90
47	Thermal analysis characterization of PAAm-co-MC hydrogels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 717-724.	2.0	27
48	Preparation and characterization of hydrophilic, spectroscopic, and kinetic properties of hydrogels based on polyacrylamide and methylcellulose polysaccharide. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3004-3013.	1.3	27
49	Polyacrylamide and methylcellulose hydrogel as delivery vehicle for the controlled release of paraquat pesticide. <i>Journal of Materials Science</i> , 2010, 45, 4977-4985.	1.7	69
50	Evaluation of the Genotoxicity of Chitosan Nanoparticles for Use in Food Packaging Films. <i>Journal of Food Science</i> , 2010, 75, N89-96.	1.5	64
51	Correla��o entre par�metros da cin�tica de intumescimento com caracter�sticas estruturais e hidrof�licas de hidrog�is de poli(acrilamida e metilcelulose). <i>Quimica Nova</i> , 2009, 32, 1482-1490.	0.3	14
52	Removal of paraquat pesticide from aqueous solutions using a novel adsorbent material based on polyacrylamide and methylcellulose hydrogels. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2139-2148.	1.3	68
53	Physicochemical and morphological properties of poly(acrylamide) and methylcellulose hydrogels: Effects of monomer, crosslinker and polysaccharide compositions. <i>Polymer Engineering and Science</i> , 2009, 49, 2467-2474.	1.5	21
54	Improved barrier and mechanical properties of novel hydroxypropyl methylcellulose edible films with chitosan/tripolyphosphate nanoparticles. <i>Journal of Food Engineering</i> , 2009, 92, 448-453.	2.7	292

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55	Release of BSA from porous matrices constituted of alginate-Ca ²⁺ and PNIPAAm-interpenetrated networks. <i>Materials Science and Engineering C</i> , 2009, 29, 2319-2325.	3.8	59
56	Preparation of chitosan nanoparticles using methacrylic acid. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 477-483.	5.0	123
57	PAAm and PEDOT/PSS hydrogel as potential electroactive devices: evaluation of surface and hydrophilic properties. <i>E-Polymers</i> , 2008, 8, .	1.3	1
58	Caracterizaç�o de hidrog�is condutores constitu�dos por PAAm e PEDOT/PSS por meio de planejamento fatorial. <i>Polimeros</i> , 2008, 18, 126-131.	0.2	5
59	S�ntese de hidrog�is e cin�tica de libera�o de am�nio e pot�ssio. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008, 32, 1643-1649.	0.5	16
60	The synthesis and capacitive properties of poly(3,4- ethylene dioxythiophene)/poly(styrene-sulfonate) and poly (acrylamide) conducting hydrogels. <i>E-Polymers</i> , 2007, 7, .	1.3	0
61	Birefringent hydrogels based on PAAm and lyotropic liquid crystal: Optical, morphological and hydrophilic characterization. <i>European Polymer Journal</i> , 2006, 42, 2781-2790.	2.6	21
62	Electrochemical and mechanical properties of hydrogels based on conductive poly(3,4-ethylene) Tj ETQq0 0 0 rgBT /Qverlock_10 Tf 50 4	2.3	54
63	Thermo-sensitive IPN hydrogels composed of PNIPAAm gels supported on alginate-Ca ²⁺ with LCST tailored close to human body temperature. <i>Polymer Testing</i> , 2006, 25, 961-969.	2.3	46
64	Optical and morphological characterization of polyacrylamide hydrogel and liquid crystal systems. <i>European Polymer Journal</i> , 2005, 41, 2134-2141.	2.6	54
65	Hydrogels Based on Chitosan and Chitosan Derivatives for Biomedical Applications. , 0, , .		6
66	Fabrica�o de filmes bionanocomp�sitos � base de pectina e polpa de cacau com potencial uso como embalagem para alimentos. <i>Quimica Nova</i> , 0, , .	0.3	4