

Roberta Signini

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

709
citations

758635

12
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

1061
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of carboxymethyl chitosan synthesis using response surface methodology and desirability function. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 615-624.	3.6	163
2	On the preparation and characterization of chitosan hydrochloride. <i>Polymer Bulletin</i> , 1999, 42, 159-166.	1.7	128
3	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. <i>Carbohydrate Polymers</i> , 2015, 131, 125-133.	5.1	71
4	Extração, estruturas e propriedades de alfa- e beta-quitina. <i>Quimica Nova</i> , 2007, 30, 644-650.	0.3	70
5	Sorghum straw: Pulping and bleaching process optimization and synthesis of cellulose acetate. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 877-886.	3.6	47
6	Inhibition of bacterial biofilms by carboxymethyl chitosan combined with silver, zinc and copper salts. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 385-392.	3.6	42
7	Características e propriedades de quitosanas purificadas nas formas neutra, acetato e cloridrato. <i>Polimeros</i> , 2001, 11, 58-64.	0.2	36
8	On the stiffness of chitosan hydrochloride in acid-free aqueous solutions. <i>Carbohydrate Polymers</i> , 2000, 43, 351-357.	5.1	25
9	Soybean hulls: Optimization of the pulping and bleaching processes and carboxymethyl cellulose synthesis. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 208-218.	3.6	25
10	Design of apolar chitosan-type adsorbent for removal of Cu(II) and Pb(II): An experimental and DFT viewpoint of the complexation process. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103070.	3.3	23
11	Purificação e caracterização de quitosana comercial. <i>Polimeros</i> , 1998, 8, 63-68.	0.2	20
12	On the sonication of chitin: effects on its structure and morphology and influence on its deacetylation. <i>Polymer Bulletin</i> , 2001, 47, 183-190.	1.7	15
13	Effects of sonication on the reactivity of chitin toward its heterogeneous deacetylation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2002, 51, 695-700.	1.8	12
14	Carboxymethyl chitosan hydrogel formulations enhance the healing process in experimental partial-thickness (second-degree) burn wound healing. <i>Acta Cirurgica Brasileira</i> , 2021, 36, e360303.	0.3	11
15	Efeito de Aditivos na Desacetilação de Quitina. <i>Polimeros</i> , 2001, 11, 169-173.	0.2	8
16	Effects of additives and inert gas bubbling on the deacetylation of chitosan. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2002, 51, 701-709.	1.8	6
17	Efficiency of water treatment with crushed shell of jatobá-do-cerrado (<i>Hymenaea stigonocarpa</i>) fruit to adsorb Cu(II) and Ni(II) ions: experimental and quantum chemical assessment of the complexation process. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60041-60059.	2.7	3
18	Evaluation of the Adsorption of Nickel(II) and Cadmium(II) Ions in Chitosan, Crosslinked Chitosan and Crosslinked Carboxymethylchitosan. <i>Revista Virtual De Quimica</i> , 2019, 11, 237-254.	0.1	2

#	ARTICLE	IF	CITATIONS
19	Synthesis and Characterization of New Ammine Ru(II) Complexes Containing P(m-tol)3, P(p-CH3)3 and P(OC5H11)3. Journal of the Brazilian Chemical Society, 2002, 13, 647-652.	0.6	1
20	Synthesis, Toxicity and Activity of Carboxymethyl Chitosan on Biofilm Formation by Candida sp.. Revista Virtual De Quimica, 2015, 7, 2113-2123.	0.1	1
21	Use of Aluminosilicate Residue from Insulators of High Voltage Transformers for the Adsorption of Basic Dyes. Journal of the Brazilian Chemical Society, 0, , .	0.6	0