

Roberta Signini

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

477
citations

11
h-index

21
g-index

21
ext. papers

571
ext. citations

3.9
avg, IF

3.61
L-index

#	Paper	IF	Citations
17	Optimization of carboxymethyl chitosan synthesis using response surface methodology and desirability function. <i>International Journal of Biological Macromolecules</i> , 2016 , 85, 615-24	7.9	116
16	On the preparation and characterization of chitosan hydrochloride. <i>Polymer Bulletin</i> , 1999 , 42, 159-166	2.4	112
15	Extração, estruturas e propriedades de alfa- e beta-quitina. <i>Química Nova</i> , 2007 , 30, 644-650	1.6	53
14	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. <i>Carbohydrate Polymers</i> , 2015 , 131, 125-33	10.3	35
13	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	7.9	25
12	Características e propriedades de quitosanas purificadas nas formas neutra, acetato e cloridrato. <i>Polímeros</i> , 2001 , 11, 58-64	1.6	25
11	On the stiffness of chitosan hydrochloride in acid-free aqueous solutions. <i>Carbohydrate Polymers</i> , 2000 , 43, 351-357	10.3	20
10	Sorghum straw: Pulping and bleaching process optimization and synthesis of cellulose acetate. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 877-886	7.9	17
9	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	6.8	15
8	On the sonication of chitin: effects on its structure and morphology and influence on its deacetylation. <i>Polymer Bulletin</i> , 2001 , 47, 183-190	2.4	13
7	Purificação e caracterização de quitosana comercial. <i>Polímeros</i> , 1998 , 8, 63-68	1.6	13
6	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	3	9
5	Soybean hulls: Optimization of the pulping and bleaching processes and carboxymethyl cellulose synthesis. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 208-218	7.9	7
4	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	3	4
3	Efeito de Aditivos na Desacetilação de Quitina. <i>Polímeros</i> , 2001 , 11, 169-173	1.6	4
2	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	1.6	4
1	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	5.1	2

