Edson C Silva Filho

List of Publications by Year
in descending order

223	4,633	109264	161767
papers	citations	35 h-index	54 g-index

224	224	224	4829
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile synthesis of H-CoMoO4 nanosheets for antibacterial approaches. Chemical Papers, 2022, 76, 1085-1095.	1.0	0
2	Montmorillonite with essential oils as antimicrobial agents, packaging, repellents, and insecticides: an overview. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112186.	2.5	37
3	The versatility of montmorillonite in water remediation using adsorption: Current studies and challenges in drug removal. Journal of Environmental Chemical Engineering, 2022, 10, 107341.	3.3	21
4	Clays as Vehicles for Drug Photostability. Pharmaceutics, 2022, 14, 796.	2.0	8
5	Facile synthesis of ZnO-clay minerals composites using an ultrasonic approach for photocatalytic performance. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113934.	2.0	22
6	Clay Mineral Minerals as a Strategy for Biomolecule Incorporation: Amino Acids Approach. Materials, 2022, 15, 64.	1.3	4
7	Influence of the Metal Incorporation into Hydroxyapatites on the Deactivation Behavior of the Solids in the Esterification of Glycerol. Catalysts, 2022, 12, 10.	1.6	7
8	Potential Wound Healing Effect of Gel Based on Chicha Gum, Chitosan, and Mauritia flexuosa Oil. Biomedicines, 2022, 10, 899.	1.4	7
9	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. Minerals (Basel, Switzerland), 2022, 12, 525.	0.8	9
10	Nanocomposite Hydrogel Produced from PEGDA and Laponite for Bone Regeneration. Journal of Functional Biomaterials, 2022, 13, 53.	1.8	13
11	Chitosan grafted with maleic anhydride and ethylenediamine: Preparation, characterization, computational study, antibacterial and cytotoxic properties. Materials Chemistry and Physics, 2022, 287, 126301.	2.0	11
12	Biopolymer from Water Kefir as a Potential Clean-Label Ingredient for Health Applications: Evaluation of New Properties. Molecules, 2022, 27, 3895.	1.7	2
13	Deposition of sodium titanate nanotubes: superhydrophilic surface and antibacterial approach. Journal of Materials Research and Technology, 2022, 19, 2104-2114.	2.6	6
14	TiO2/Karaya Composite for Photoinactivation of Bacteria. Materials, 2022, 15, 4559.	1.3	6
15	Application of Water Hyacinth Biomass (Eichhornia crassipes) as an Adsorbent for Methylene Blue Dye from Aqueous Medium: Kinetic and Isothermal Study. Polymers, 2022, 14, 2732.	2.0	14
16	What happens when chitosan meets bentonite under microwave-assisted conditions? Clay-based hybrid nanocomposites for dye adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125584.	2.3	33
17	Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. Carbohydrate Polymers, 2021, 254, 117226.	5.1	30
18	Zn-doped mesoporous hydroxyapatites and their antimicrobial properties. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111471.	2.5	23

#	Article	IF	Citations
19	Zinc (II) modified hydroxyapatites for tetracycline removal: Zn (II) doping or ZnO deposition and their influence in the adsorption. Polyhedron, 2021, 194, 114879.	1.0	27
20	Phthalic anhydride esterified chicha gum: characterization and antibacterial activity. Carbohydrate Polymers, 2021, 251, 117077.	5.1	14
21	SÃntese de cerÃ¢micas bifÃ¡sicas de fosfato de cÃ¡lcio pelo mÃ©todo Pechini. Tecnologia Em Metalurgia, Materiais E Mineracao, 2021, 18, e2358.	0.1	1
22	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. Materials Science and Engineering C, 2021, 120, 111776.	3.8	18
23	Are Structurally Modified Galactomannan Derivatives Biologically Active?. Polysaccharides, 2021, 2, 1-15.	2.1	9
24	Au@Ag bimetallic nanoparticles deposited on palygorskite in the presence of TiO2 for enhanced photodegradation activity through synergistic effect. Environmental Science and Pollution Research, 2021, 28, 23995-24007.	2.7	13
25	Biopolymeric Materials Used as Nonviral Vectors: A Review. Polysaccharides, 2021, 2, 100-109.	2.1	1
26	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. Molecules, 2021, 26, 1267.	1.7	1
27	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, .	0.3	0
28	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, 21.	0.3	1
29	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. Minerals (Basel, Switzerland), 2021, 11, 377.	0.8	13
30	Superabsorbent Hydrogels Based to Polyacrylamide/Cashew Tree Gum for the Controlled Release of Water and Plant Nutrients. Molecules, 2021, 26, 2680.	1.7	23
31	The Potential Role of Polyelectrolyte Complex Nanoparticles Based on Cashew Gum, Tripolyphosphate and Chitosan for the Loading of Insulin. International Journal of Diabetology, 2021, 2, 107-116.	0.9	6
32	Elaboration and Characterization of Bioactive Films Obtained from the Incorporation of Cashew Nut Shell Liquid into a Matrix of Sodium Alginate. Antioxidants, 2021, 10, 1378.	2.2	6
33	Development of nanostructured systems using natural polymers to optimize the treatment of inflammatory bowel diseases: A prospective study. Journal of Drug Delivery Science and Technology, 2021, 64, 102590.	1.4	7
34	Nanocellulose/palygorskite biocomposite membranes for controlled release of metronidazole. International Journal of Biological Macromolecules, 2021, 188, 689-695.	3.6	8
35	When RNA meets montmorillonite: Influence of the pH and divalent cations. Applied Clay Science, 2021, 214, 106234.	2.6	15
36	Eco-friendly synthesis of phthalate angico gum towards nanoparticles engineering using Quality by Design (QbD) approach. International Journal of Biological Macromolecules, 2021, 190, 801-809.	3.6	10

#	Article	IF	Citations
37	New properties of chia seed mucilage (Salvia hispanica L.) and potential application in cosmetic and pharmaceutical products. Industrial Crops and Products, 2021, 171, 113981.	2.5	21
38	Chitosan-based hydrogel for treatment of temporomandibular joint arthritis. Polimeros, 2021, 31, .	0.2	5
39	A Brief Photocatalytic Study of ZnO Containing Cerium towards Ibuprofen Degradation. Materials, 2021, 14, 5891.	1.3	23
40	Polymeric Microparticles of Calcium Pectinate Containing Urea for Slow Release in Ruminant Diet. Polymers, 2021, 13, 3776.	2.0	7
41	Effect of Oxycations in Clay Mineral on Adsorptionâ€"Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal. Minerals (Basel, Switzerland), 2021, 11, 1327.	0.8	2
42	Effect of Edible Onion (Allium cepa L.) Film on Quality, Sensory Properties and Shelf Life of Beef Burger Patties. Molecules, 2021, 26, 7202.	1.7	10
43	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. Minerals (Basel, Switzerland), 2021, 11, 1347.	0.8	8
44	Monitoring diclofenac adsorption by organophilic alkylpyridinium bentonites. Chemosphere, 2020, 242, 125109.	4.2	63
45	Spectroscopic, thermal characterizations and bacteria inhibition of chemically modified chitosan with phthalic anhydride. Materials Chemistry and Physics, 2020, 240, 122053.	2.0	24
46	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. Ceramics International, 2020, 46, 3811-3817.	2.3	16
47	Hybrid chitosan/amniotic membrane-based hydrogels for articular cartilage tissue engineering application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 961-970.	1.8	14
48	Study of interactions between organic contaminants and a new phosphated biopolymer derived from cellulose. International Journal of Biological Macromolecules, 2020, 146, 668-677.	3.6	14
49	Novel modified bentonites applied to the removal of an anionic azo-dye from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124152.	2.3	16
50	Through alizarin-hectorite pigments: Influence of organofunctionalization on fading. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124323.	2.3	11
51	Development of an Experimental Dentifrice with Hydroxyapatite Nanoparticles and High Fluoride Concentration to Manage Root Dentin Demineralization . International Journal of Nanomedicine, 2020, Volume 15, 7469-7479.	3.3	7
52	Cerium-doped calcium phosphates precipitated on bacterial cellulose platform by mineralization. Ceramics International, 2020, 46, 26985-26990.	2.3	13
53	Amino-functionalized titanate nanotubes for highly efficient removal of anionic dye from aqueous solution. Applied Surface Science, 2020, 512, 145659.	3.1	21
54	Sterculia striata gum as a potential oral delivery system for protein drugs. International Journal of Biological Macromolecules, 2020, 164, 1683-1692.	3.6	24

#	Article	IF	Citations
55	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. International Journal of Biological Macromolecules, 2020, 161, 927-935.	3.6	12
56	Understanding the role of dye in colorful thermoplastic film under visible light. Journal of Polymer Research, 2020, 27, 1.	1.2	1
57	Eco-friendly synthesis and photocatalytic application of flowers-like ZnO structures using Arabic and Karaya Gums. International Journal of Biological Macromolecules, 2020, 165, 2813-2822.	3.6	34
58	Copolymerized Natural Fibre from the Mesocarp of Orbignya phalerata (Babassu Fruit) as an Irrigating-Fertilizer for Growing Cactus Pears. Polymers, 2020, 12, 1699.	2.0	4
59	A novel green approach based on ZnO nanoparticles and polysaccharides for photocatalytic performance. Dalton Transactions, 2020, 49, 16394-16403.	1.6	28
60	Printing composite nanofilaments for use in a simple and low-cost 3D pen. Journal of Materials Research, 2020, 35, 1154-1162.	1.2	4
61	Modified chicha gum by acetylation for antimicrobial and antiparasitic applications: Characterization and biological properties. International Journal of Biological Macromolecules, 2020, 160, 1177-1188.	3.6	16
62	Supporting the photocatalysts on ZrO2: An effective way to enhance the photocatalytic activity of SrSnO3. Applied Surface Science, 2020, 528, 146991.	3.1	30
63	New composite TiO2/naturals gums for high efficiency in photodiscoloration process. Ceramics International, 2020, 46, 15534-15543.	2.3	19
64	Saponite-anthocyanin pigments: Slipping between the sheets. Microporous and Mesoporous Materials, 2020, 300, 110148.	2.2	15
65	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications . International Journal of Nanomedicine, 2020, Volume 15, 1173-1186.	3.3	14
66	Antibacterial and cytotoxic properties from esterified Sterculia gum. International Journal of Biological Macromolecules, 2020, 164, 606-615.	3.6	27
67	Amino hydroxyapatite/chitosan hybrids reticulated with glutaraldehyde at different pH values and their use for diclofenac removal. Carbohydrate Polymers, 2020, 236, 116036.	5.1	48
68	Antimicrobial efficacy of building material based on ZnO/palygorskite against Gram-negative and Gram-positive bacteria. Applied Clay Science, 2020, 188, 105499.	2.6	35
69	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. Minerals (Basel, Switzerland), 2020, 10, 132.	0.8	11
70	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. Journal of Functional Biomaterials, 2020, 11, 4.	1.8	60
71	Biocompatible Gels of Chitosanâ€“Buriti Oil for Potential Wound Healing Applications. Materials, 2020, 13, 1977.	1.3	17
72	A comparative study of alanine adsorption and condensation to peptides in two clay minerals. Applied Clay Science, 2020, 192, 105617.	2.6	16

#	Article	IF	Citations
73	Saponite-anthocyanin derivatives: The role of organoclays in pigment photostability. Applied Clay Science, 2020, 191, 105604.	2.6	29
74	Modulating the structure of organofunctionalized hydroxyapatite/tripolyphosphate/chitosan spheres for dye removal. Journal of Environmental Chemical Engineering, 2020, 8, 103980.	3.3	19
75	Performance, Body Water Balance, Ingestive Behavior and Blood Metabolites in Goats Fed with Cactus Pear (Opuntia ficus-indica L. Miller) Silage Subjected to An Intermittent Water Supply. Sustainability, 2020, 12, 2881.	1.6	15
76	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. Materials Science and Engineering C, 2020, 115, 111051.	3.8	26
77	TiO2 Immobilized on Fibrous Clay as Strategies to Photocatalytic Activity. Materials Research, 2020, 23, .	0.6	18
78	BIONANOCOMPÃ“SITOS POLIMÃ‰RICOS Ã€ BASE DE MONTMORILLONITA â€“ MATERIAIS DE INTERESSE CONTÃNUO. Quimica Nova, 2020, , .	0.3	0
79	PÃ³s de rochas regionais como fonte de fÃ³sforo e potÃ¡ssio para plantas. Research, Society and Development, 2020, 9, e497974257.	0.0	0
80	ZircÃ´nia pigmentada obtida pelo mÃ©todo Pechini para aplicaÃ§Ãµes odontolÃ³gicas. Revista Materia, 2020, 25, .	0.1	0
81	Study of the effect of solvent on acetylate cashew gum-based nanoparticles properties and antimicrobial activity. Revista Materia, 2020, 25, .	0.1	0
82	Synthetic Smectic Clays: Bioprinting a Synthetic Smectic Clay for Orthopedic Applications (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.9	0
83	Synthesis, characterization and electrochemical properties of composites synthesized from silver-tannic acid hybrid nanoparticles and different clays. Applied Clay Science, 2019, 181, 105219.	2.6	13
84	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gumsâ€"Biological and Mechanical Properties. Materials, 2019, 12, 2389.	1.3	24
85	Methionine microencapsulated with a carnauba (Copernicia prunifera) wax matrix for protection from degradation in the rumen. Livestock Science, 2019, 228, 53-60.	0.6	14
86	Evaluation of methylene blue removal by plasma activated palygorskites. Journal of Materials Research and Technology, 2019, 8, 5432-5442.	2.6	64
87	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. Carbohydrate Polymers, 2019, 225, 115246.	5.1	16
88	Sustainable natural gums for industrial application: Physiochemical and texturometric evaluation. Journal of Drug Delivery Science and Technology, 2019, 54, 101306.	1.4	7
89	Titanate-based one-dimensional nano-heterostructure: Study of hydrothermal reaction parameters for improved photocatalytic application. Solid State Sciences, 2019, 98, 106043.	1.5	16
90	Understanding the effect of UV light in systems containing clay minerals and tetracycline. Applied Clay Science, 2019, 183, 105311.	2.6	17

#	Article	IF	Citations
91	Hybrid Systems Based on Talc and Chitosan for Controlled Drug Release. Materials, 2019, 12, 3634.	1.3	13
92	Systems developed for application as self-cleaning surfaces and/or antimicrobial properties: a short review on materials and production methods. Ceramica, 2019, 65, 477-484.	0.3	4
93	Heterogeneous photocatalysis using TiO2 in suspension applied to antioxidant activity assays. Materials Today: Proceedings, 2019, 14, 648-655.	0.9	1
94	Semiconductor supported by palygorskite and layered double hydroxides clays to dye discoloration in solution by a photocatalytic process. Journal of Environmental Chemical Engineering, 2019, 7, 103431.	3.3	19
95	Understanding Urea Encapsulation in Different Clay Minerals as a Possible System for Ruminant Nutrition. Molecules, 2019, 24, 3525.	1.7	5
96	Strategies to improve glibenclamide dissolution: A review using database tomography. Journal of Drug Delivery Science and Technology, 2019, 54, 101242.	1.4	2
97	Understanding the interactions between ranitidine and magadiite: Influence of the interlayer cation. Chemosphere, 2019, 222, 980-990.	4.2	16
98	Biological properties of chitosan derivatives associated with the ceftazidime drug. Carbohydrate Polymers, 2019, 222, 115002.	5.1	35
99	Desenvolvimento de biomaterial composto por hidroxiapatita e clorexidina para aplicaÃ§Ã£o na cavidade oral. Ceramica, 2019, 65, 130-138.	0.3	7
100	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. Advanced Healthcare Materials, 2019, 8, e1900158.	3.9	36
101	Solvent-free production of phthalated cashew gum for green synthesis of antimicrobial silver nanoparticles. Carbohydrate Polymers, 2019, 213, 176-183.	5.1	52
102	Nanostructured Carbon-Based Materials for Adsorption of Organic Contaminants from Water. Engineering Materials, 2019, , 35-64.	0.3	0
103	Electrospun Nanofibrous Poly (Lactic Acid)/Titanium Dioxide Nanocomposite Membranes for Cutaneous Scar Minimization. Frontiers in Bioengineering and Biotechnology, 2019, 7, 421.	2.0	10
104	Microwave bentonite silylation for dye removal: Influence of the solvent. Applied Clay Science, 2019, 168, 478-487.	2.6	27
105	Thiabendazole/bentonites hybrids as controlled release systems. Colloids and Surfaces B: Biointerfaces, 2019, 176, 249-255.	2.5	40
106	Chitosan associated with chlorhexidine in gel form: Synthesis, characterization and healing wounds applications. Journal of Drug Delivery Science and Technology, 2019, 49, 375-382.	1.4	17
107	Development of a low-cost electrochemical sensor based on babassu mesocarp (Orbignya phalerata) immobilized on a flexible gold electrode for applications in sensors for 5-fluorouracil chemotherapeutics. Analytical and Bioanalytical Chemistry, 2019, 411, 659-667.	1.9	11
108	Solvent-free synthesis of acetylated cashew gum for oral delivery system of insulin. Carbohydrate Polymers, 2019, 207, 601-608.	5.1	34

#	Article	IF	Citations
109	Modification of kaolinite from ParÃ¡/Brazil region applied in the anionic dye photocatalytic discoloration. Applied Clay Science, 2019, 168, 295-303.	2.6	29
110	Nanostructured polymeric system based of cashew gum for oral admnistration of insulin. Revista Materia, 2019, 24, .	0.1	5
111	Photodegradation study of TiO2 and ZnO in suspension using miniaturized tests. Revista Materia, 2019, 24, .	0.1	7
112	Clays as Biomaterials in Controlled Drug Release: A Scientific and Technological Short Review. Biomedical Journal of Scientific & Technical Research, 2019, 15, .	0.0	4
113	Subprodutos do babaÃ§u (Orbignya sp)como novos materiais adsortivos: uma revisÃ£o. Revista Materia, 2019, 24, .	0.1	4
114	Evaluation of physico-chemical properties and antimicrobial synergic effect of ceftazidime-modified chitosan. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1629-1636.	2.0	12
115	Chemically modified babassu coconut (Orbignya sp.) biopolymer: characterization and development of a thin film for its application in electrochemical sensors. Journal of Polymer Research, 2018, 25, 1.	1.2	16
116	Modifying cellulose with metaphosphoric acid and its efficiency in removing brilliant green dye. International Journal of Biological Macromolecules, 2018, 114, 470-478.	3.6	26
117	Photo-Oxidation of Tetracycline Adsorbed in Clayand in Aqueous Suspension. Materials Science Forum, 2018, 930, 552-555.	0.3	0
118	Absorption Evaluation of Water in Panels from Elephant Grass with Eucalyptus sp. Leaves. Materials Science Forum, 2018, 930, 207-211.	0.3	0
119	Degradation of Colored Polystyrene Films. Materials Science Forum, 2018, 930, 254-257.	0.3	1
120	Organophilic bentonites obtained by microwave heating as adsorbents for anionic dyes. Journal of Environmental Chemical Engineering, 2018, 6, 7080-7090.	3.3	42
121	Alkaline earth stannates applied in photocatalysis: prospection and review of literature. Ceramica, 2018, 64, 559-569.	0.3	21
122	Modified chitosan-based bioactive material for antimicrobial application: Synthesis and characterization. International Journal of Biological Macromolecules, 2018, 117, 640-647.	3.6	54
123	Potential of Cellulose Functionalized with Carboxylic Acid as Biosorbent for the Removal of Cationic Dyes in Aqueous Solution. Molecules, 2018, 23, 743.	1.7	44
124	Potential of amino-functionalized cellulose as an alternative sorbent intended to remove anionic dyes from aqueous solutions. International Journal of Biological Macromolecules, 2018, 116, 1282-1295.	3.6	32
125	Effective Removal of the Remazol Yellow GR Dye Using Cellulose Functionalized by Basic Groups. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	7
126	Immobilization of biomolecules on natural clay minerals for medical applications. International Journal of Advances in Medical Biotechnology - IJAMB, 2018, 1, 31.	0.1	2

#	Article	IF	Citations
127	Recent advances in methods of synthesis and applications of bacterial cellulose/calcium phosphates composites in bone tissue engineering. International Journal of Advances in Medical Biotechnology - IJAMB, 2018, 1, 11.	0.1	1
128	Preparation and physicochemical characterization of binary composites palygorskiteâ€“chitosan for drug delivery. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1327-1334.	2.0	13
129	Development and characterization of bacterial cellulose produced by cashew tree residues as alternative carbon source. Industrial Crops and Products, 2017, 107, 13-19.	2.5	87
130	Obtaining the palygorskite:chitosan composite for modified release of 5-aminosalicylic acid. Materials Science and Engineering C, 2017, 73, 245-251.	3.8	16
131	Resistant starch/pectin free-standing films reinforced with nanocellulose intended for colonic methotrexate release. Carbohydrate Polymers, 2017, 157, 1013-1023.	5.1	76
132	Use of phyllosilicate clay mineral to increase solubility olanzapine. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1743-1750.	2.0	7
133	Biopolymers and pilocarpine interaction study for use in drug delivery systems (DDS). Journal of Thermal Analysis and Calorimetry, 2017, 127, 1777-1785.	2.0	8
134	Direct Modification of Microcrystalline Cellulose with Ethylenediamine for Use as Adsorbent for Removal Amitriptyline Drug from Environment. Molecules, 2017, 22, 2039.	1.7	33
135	Degradation of Poly(Ethylene Oxide) Films Using Crystal Violet. Materials Research, 2017, 20, 869-872.	0.6	5
136	Uso de fotÃ³lise direta e H2O2/UV em soluÃ§Ã£o aquosa contendo o corante violeta cristal. Holos Environment, 2017, 17, 138.	0.1	5
137	Sawdust Derivative for Environmental Application: Chemistry, Functionalization and Removal of textile dye from aqueous solution. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1212-1220.	0.3	6
138	Natural Palygorskite as an Industrial Dye Remover in Single and Binary Systems. Materials Research, 2016, 19, 1232-1240.	0.6	13
139	Development and Evaluation of Capsule of Sodium Diclofenac and Paracetamol Using Mesocarp Babassu Powder as Excipient - Part II. Materials Science Forum, 2016, 869, 849-853.	0.3	1
140	Functionalization of Cellulose with Cysteamine: Synthesis, Characterization, and Adsorption. Materials Science Forum, 2016, 869, 740-744.	0.3	1
141	Development of new phosphated cellulose for application as an efficient biomaterial for the incorporation/release of amitriptyline. International Journal of Biological Macromolecules, 2016, 86, 362-375.	3.6	36
142	Incorporation of Zirconium Oxide on the Surface of Palygorskite Clay for Photodegradation of Industrial Dye. Materials Science Forum, 2016, 869, 768-772.	0.3	5
143	Nanostructured and Electroactive Hybrid Films Containing Microcrystalline Cellulose Modified with the Phosphate Group: Synthesis and Characterization. Materials Science Forum, 2016, 869, 840-845.	0.3	0
144	Photocatalysis of Coomassie Brilliant Blue Using Clay Mineral. Materials Science Forum, 2016, 869, 765-767.	0.3	5

#	Article	IF	Citations
145	A Study of the Chemical and Physical Characteristics of the Soils from the South of PiauÃ-for Soil-Cement Brick Production. Materials Science Forum, 2016, 869, 112-115.	0.3	1
146	Organofunctionalization of Natural Palygorskite with Ethylene Sulfide in the Absence of a Solvent. Materials Science Forum, 2016, 869, 176-180.	0.3	0
147	Attapulgite Performance in the Degradation of the Yellow Bright Dye. Materials Science Forum, 2016, 869, 761-764.	0.3	4
148	Integrating chloroethyl phosphate with biopolymer cellulose and assessing their potential for absorbing brilliant green dye. Journal of Environmental Chemical Engineering, 2016, 4, 3348-3356.	3.3	16
149	Chitosan Hydrogel in combination with Nerolidol for healing wounds. Carbohydrate Polymers, 2016, 152, 409-418.	5.1	59
150	Cellulose Phosphate Applied in the Removal of the Drug Acetaminophen from Aqueous Media. Materials Science Forum, 2016, 869, 745-749.	0.3	3
151	Thermally activated palygorskites as agents to clarify soybean oil. Applied Clay Science, 2016, 119, 338-347.	2.6	47
152	Gumsâ€™ based delivery systems: Review on cashew gum and its derivatives. Carbohydrate Polymers, 2016, 147, 188-200.	5.1	98
153	Hidroxiapatita: suporte para liberaÃ§Ã£o de fÃ¡rmacos e propriedades antimicrobianas. Ceramica, 2016, 62, 256-265.	0.3	7
154	UtilizaÃ§Ã£o de argilas fibrosas e tubulares para a liberaÃ§Ã£o modificadas de fÃ¡rmacos: uma revisÃ£o. Revista Materia, 2016, 21, 204-212.	0.1	1
155	Sorption of the anionic reactive red RB dye in cellulose: Assessment of kinetic, thermodynamic, and equilibrium data. Open Chemistry, 2015, 13, .	1.0	30
156	Acid-leached mixed vermiculites obtained by treatment with nitric acid. Applied Clay Science, 2015, 104, 286-294.	2.6	57
157	Development and characterization of composites based on polyaniline and modified microcrystalline cellulose with anhydride maleic as platforms for electrochemical trials. Colloid and Polymer Science, 2015, 293, 1049-1058.	1.0	7
158	Preparation and characterization of composite polyaniline/poly(vinyl alcohol)/palygorskite. Journal of Thermal Analysis and Calorimetry, 2015, 119, 37-46.	2.0	13
159	Layer-by-layer hybrid films of phosphate cellulose and electroactive polymer as chromium (VI) sensors. Journal of Solid State Electrochemistry, 2015, 19, 2129-2139.	1.2	11
160	Catalytic performance of kenyaite and magadiite lamellar silicates for the production of Î±,Î²-unsaturated esters. Chemical Engineering Journal, 2015, 263, 257-267.	6.6	19
161	High performance maleated lignocellulose epicarp fibers for copper ion removal. Brazilian Journal of Chemical Engineering, 2014, 31, 183-193.	0.7	11
162	Chemical modification of chitosan in the absence of solvent for diclofenac sodium removal: pH and kinetics studies. Materials Research, 2014, 17, 141-145.	0.6	18

#	Article	IF	Citations
163	Effects of acid treatment on the clay palygorskite: XRD, surface area, morphological and chemical composition. Materials Research, 2014, 17, 3-08.	0.6	35
164	Adsorption of the Blue Dye Reactive Remazol RN in Cellulosic Materials. Materials Science Forum, 2014, 775-776, 749-754.	0.3	0
165	Phosphated Cellulose as an Efficient Biomaterial for Aqueous Drug Ranitidine Removal. Materials, 2014, 7, 7907-7924.	1.3	30
166	Thermal Activation of Palygorskite at Different Temperatures. Materials Science Forum, 2014, 775-776, 47-51.	0.3	1
167	Analysis of the Properties of Asphaltic Concrete Using Recycled Aggregates of CDW. Materials Science Forum, 2014, 775-776, 613-618.	0.3	1
168	Palygorskite organophilic for dermopharmaceutical application. Journal of Thermal Analysis and Calorimetry, 2014, 115, 2287-2294.	2.0	16
169	Synthesis and characterization of a silylated Brazilian clay mineral surface. Chemical Papers, 2014, 68, .	1.0	4
170	Characterization and catalytic performances of copper and cobalt-exchanged hydroxyapatite in glycerol conversion for 1-hydroxyacetone production. Applied Catalysis A: General, 2014, 471, 39-49.	2.2	41
171	Organophilic nickel phyllosilicate for reactive blue dye removal. Chemical Engineering Journal, 2014, 236, 332-340.	6.6	26
172	Natural cellulose for ranitidine drug removal from aqueous solutions. Journal of Environmental Chemical Engineering, 2014, 2, 605-611.	3.3	19
173	Development and characterization of multilayer films of polyaniline, titanium dioxide and CTAB for potential antimicrobial applications. Materials Science and Engineering C, 2014, 35, 449-454.	3.8	19
174	Direct grafting of ethylene sulfide onto silicic acid magadiite. Microporous and Mesoporous Materials, 2014, 196, 292-299.	2.2	12
175	Chemical composition and possible use as adjuvant of the antibiotic therapy of the essential oil of Rosmarinus officinalis L.. Industrial Crops and Products, 2014, 59, 290-294.	2.5	38
176	POLYMERS MUCOADHESIVES FOR VAGINAL USE: A TECHNOLOGICAL FORECASTING. Revista GEINTEC, 2014, 4, 622-631.	0.2	1
177	Thermochemistry of interaction between cellulose modified with 2-aminomethylpyridine and divalent cations. Journal of Thermal Analysis and Calorimetry, 2013, 114, 423-429.	2.0	7
178	Calorimetry studies for interaction in solid/liquid interface between the modified cellulose and divalent cation. Journal of Thermal Analysis and Calorimetry, 2013, 114, 57-66.	2.0	11
179	Brazilian Palygorskite as Adsorbent for Metal Ions from Aqueous Solutionâ€"Kinetic and Equilibrium Studies. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	24
180	New Chemical Organic Anhydride Immobilization Process Used on Banana Pseudostems: A Biopolymer for Cation Removal. Industrial & Engineering Chemistry Research, 2013, 52, 11007-11015.	1.8	10

#	Article	IF	Citations
181	Dye anionic sorption in aqueous solution onto a cellulose surface chemically modified with aminoethanethiol. Chemical Engineering Journal, 2013, 218, 89-98.	6.6	102
182	Immobilization of ethylene sulfide in aminated cellulose for removal of the divalent cations. Carbohydrate Polymers, 2013, 92, 1203-1210.	5.1	75
183	The systems containing clays and clay minerals from modified drug release: A review. Colloids and Surfaces B: Biointerfaces, 2013, 103, 642-651.	2.5	170
184	The effect of natural and organophilic palygorskite on skin wound healing in rats. Brazilian Journal of Pharmaceutical Sciences, 2013, 49, 729-736.	1.2	11
185	Surface cellulose modification with 2-aminomethylpyridine for copper, cobalt, nickel and zinc removal from aqueous solution. Materials Research, 2013, 16, 79-84.	0.6	28
186	TECNOLOGICAL EXPLORATION: THE APPLICATION OF GUM CASHEW (Anacardium occidentale) IN NANOTECHNOLOGY. Revista GEINTEC, 2013, 3, 055-069.	0.2	1
187	APLICAÃ‡ÃƒO DA CELULOSE FOSFATADA EM ATIVIDADES BIOLÃ“GICAS: UMA PROSPECÃ‡ÃƒO TECNOLÃ“GICA. Revista GEINTEC, 2013, 3, 066-072.	0.2	0
188	Adsorption of an industrial anionic dye by modified-KSF-montmorillonite: Evaluation of the kinetic, thermodynamic and equilibrium data. Chemical Engineering Journal, 2012, 203, 259-268.	6.6	123
189	Thermodynamic Data of 6-(4â€²-Aminobutylamino)-6-deoxycellulose Sorbent for Cation Removal from Aqueous Solutions. Separation Science and Technology, 2011, 46, 2566-2574.	1.3	22
190	Epicarp and mesocarp of babassu (Orbignya speciosa): characterization and application in copper phtalocyanine dye removal. Journal of the Brazilian Chemical Society, 2011, 22, 21-29.	0.6	31
191	Synthesized cellulose/succinic anhydride as an ion exchanger. Calorimetry of divalent cations in aqueous suspension. Thermochimica Acta, 2011, 524, 29-34.	1.2	38
192	Removal of textile dyes from aqueous solution by babassu coconut epicarp (Orbignya speciosa). Chemical Engineering Journal, 2011, 173, 334-340.	6.6	71
193	Ethylenesulfide as a useful agent for incorporation on the biopolymer chitosan in a solvent-free reaction for use in lead and cadmium removal. Journal of Thermal Analysis and Calorimetry, 2011, 106, 369-373.	2.0	15
194	Immobilization of ethylenesulfide on babassu coconut epicarp and mesocarp for divalent cation sorption. Journal of Hazardous Materials, 2010, 174, 714-719.	6.5	45
195	X-ray diffraction and thermogravimetry data of cellulose, chlorodeoxycellulose and aminodeoxycellulose. Journal of Thermal Analysis and Calorimetry, 2010, 100, 315-321.	2.0	35
196	Copper sorption from aqueous solutions and sugar cane spirits by chemically modified babassu coconut (Orbignya speciosa) mesocarp. Chemical Engineering Journal, 2010, 161, 99-105.	6.6	70
197	Exploring the favorable ion-exchange ability of phthalylated cellulose biopolymer using thermodynamic data. Carbohydrate Research, 2010, 345, 1914-1921.	1.1	24
198	Modified coupling agents based on thiourea, immobilized onto silica. Thermodynamics of copper adsorption. Surface Science, 2009, 603, 2200-2206.	0.8	32

#	Article	IF	Citations
199	Ethylenesulfide as a useful agent for incorporation into the biopolymer chitosan in a solvent-free reaction for use in cation removal. Carbohydrate Research, 2009, 344, 1716-1723.	1.1	51
200	Kinetics and thermodynamics of textile dye adsorption from aqueous solutions using babassu coconut mesocarp. Journal of Hazardous Materials, 2009, 166, 1272-1278.	6.5	169
201	Cation removal using cellulose chemically modified by a Schiff base procedure applying green principles. Journal of Colloid and Interface Science, 2009, 340, 8-15.	5.0	43
202	Maleic anhydride incorporated onto cellulose and thermodynamics of cation-exchange process at the solid/liquid interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 346, 138-145.	2.3	82
203	Sequestration of Cu(II), Ni(II), and Co(II) by ethyleneimine immobilized on silica. Thermochimica Acta, 2007, 453, 72-74.	1.2	20
204	Thermal characterization of modified phyllosilicates with aromatic heterocyclic amines. Journal of Thermal Analysis and Calorimetry, 2007, 87, 767-770.	2.0	4
205	Synthesis and thermal characterization of copper and calcium mixed phosphates. Journal of Thermal Analysis and Calorimetry, 2007, 87, 775-778.	2.0	5
206	Preparation of ethylenediamine-anchored cellulose and determination of thermochemical data for the interaction between cations and basic centers at the solid/liquid interface. Carbohydrate Research, 2006, 341, 2842-2850.	1.1	116
207	Hydroxyapatite organofunctionalized with silylating agents to heavy cation removal. Journal of Colloid and Interface Science, 2006, 302, 485-491.	5.0	73
208	Extraction of Pb(II), Cd(II), and Hg(II) from aqueous solution by nitrogen and thiol functionality grafted to silica gel measured by calorimetry. Thermochimica Acta, 2006, 450, 12-15.	1.2	47
209	Zinc phyllosilicates containing amino pendant groups. Journal of Solid State Chemistry, 2004, 177, 2316-2322.	1.4	45
210	Anchored fibrous chrysotile silica and its ability in using nitrogen basic centers on cation complexing from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 227, 85-91.	2.3	13
211	Use of Cellulosic Materials as Dye Adsorbents â€" A Prospective Study. , 0, , .		7
212	Chemical Functionalization of Cellulosic Materials â€" Main Reactions and Applications in the Contaminants Removal of Aqueous Medium. , 0, , .		6
213	Determining the Content of Toxic Substances in Panels from Pruning <i>Acacia mangium</i> Willd. Materials Science Forum, 0, 869, 102-105.	0.3	0
214	Evaluation of the Potential of Mesocarp Babassu Powder as a Technological Excipient to Pharmaceutical Industry - Part I. Materials Science Forum, 0, 869, 874-879.	0.3	2
215	Hydroxyapatites Obtained from Different Routes and their Antimicrobial Properties. Materials Science Forum, 0, 869, 890-895.	0.3	5
216	Electrochemical Behavior of Electroactive PVS/PANI Films Containing Chemically Modified Cellulose. Materials Science Forum, 0, 869, 809-814.	0.3	0

#	Article	IF	Citations
217	Antibacterial Activity of a Chitosan Derivative Obtained in the Absence of a Solvent. Materials Science Forum, 0, 869, 869-873.	0.3	5
218	Sorption of Bright Yellow Dyes by Filter Papers. Materials Science Forum, 0, 869, 735-739.	0.3	0
219	Influence of Time and Temperature on Directional Growth of MoO₃. Materials Science Forum, 0, 869, 1001-1006.	0.3	0
220	Assessment of the Photocatalytic Efficiency of TiO₂ in the Presence of Sulphate. Materials Science Forum, 0, 930, 589-593.	0.3	0
221	The Use of Palygorskite as a Catalytic Support for TiO₂ on the Degradation of Herbicide: A Review. Materials Science Forum, 0, 930, 568-571.	0.3	1
222	Evaluation of antileishmanial potential of Gentiana kurroo Royle by in vitro and in silico methods. Journal of Applied Pharmaceutical Science, 0, , .	0.7	1
223	Control of microbial growth and lipid oxidation on beef steak using a cashew nut shell liquid (CNSL)-based edible coating treatment. Food Science and Technology, 0, 42, .	0.8	0