

Edson C Silva Filho

List of Publications by Year in Descending Order

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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.

199 papers	3,079 citations	29 h-index	45 g-index
224 ext. papers	3,776 ext. citations	4.3 avg, IF	5.5 L-index

#	Paper	IF	Citations
199	The Versatility of Montmorillonite in Water Remediation Using Adsorption: Current Studies and Challenges in Drug Removal. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107341	6.8	2
198	Montmorillonite with essential oils as antimicrobial agents, packaging, repellents, and insecticides: an overview. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 209, 112186	6	5
197	Facile synthesis of ZnO-clay minerals composites using an ultrasonic approach for photocatalytic performance. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 429, 113934	4.7	2
196	Influence of the Metal Incorporation into Hydroxyapatites on the Deactivation Behavior of the Solids in the Esterification of Glycerol. <i>Catalysts</i> , 2022 , 12, 10	4	0
195	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 525	2.4	0
194	Nanocomposite Hydrogel Produced from PEGDA and Laponite for Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2022 , 13, 53	4.8	1
193	Chitosan grafted with maleic anhydride and ethylenediamine: Preparation, characterization, computational study, antibacterial and cytotoxic properties. <i>Materials Chemistry and Physics</i> , 2022 , 287, 126301	4.4	0
192	Effect of Oxycations in Clay Mineral on Adsorption/Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1327	2.4	0
191	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1347	2.4	2
190	A Brief Photocatalytic Study of ZnO Containing Cerium towards Ibuprofen Degradation. <i>Materials</i> , 2021 , 14,	3.5	2
189	Polymeric Microparticles of Calcium Pectinate Containing Urea for Slow Release in Ruminant Diet. <i>Polymers</i> , 2021 , 13,	4.5	1
188	Hybrid Pigments from Bixin Dye and Inorganic Matrices. <i>Environmental Sciences Proceedings</i> , 2021 , 6, 21	1	
187	Hybrid Pigments from Bixin Dye and Inorganic Matrices. <i>Environmental Sciences Proceedings</i> , 2021 , 6, 21	1	0
186	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 377	2.4	4
185	Superabsorbent Hydrogels Based to Polyacrylamide/Cashew Tree Gum for the Controlled Release of Water and Plant Nutrients. <i>Molecules</i> , 2021 , 26,	4.8	3
184	The Potential Role of Polyelectrolyte Complex Nanoparticles Based on Cashew Gum, Tripolyphosphate and Chitosan for the Loading of Insulin. <i>International Journal of Diabetology</i> , 2021 , 2, 107-116	1	4
183	What happens when chitosan meets bentonite under microwave-assisted conditions? Clay-based hybrid nanocomposites for dye adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 609, 125584	5.1	11

182	Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. <i>Carbohydrate Polymers</i> , 2021 , 254, 117226	10.3	19
181	Zn-doped mesoporous hydroxyapatites and their antimicrobial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 198, 111471	6	11
180	Zinc (II) modified hydroxyapatites for tetracycline removal: Zn (II) doping or ZnO deposition and their influence in the adsorption. <i>Polyhedron</i> , 2021 , 194, 114879	2.7	11
179	Phthalic anhydride esterified chicha gum: characterization and antibacterial activity. <i>Carbohydrate Polymers</i> , 2021 , 251, 117077	10.3	5
178	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. <i>Materials Science and Engineering C</i> , 2021 , 120, 111776	8.3	6
177	Are Structurally Modified Galactomannan Derivatives Biologically Active?. <i>Polysaccharides</i> , 2021 , 2, 1-15	3	5
176	Au@Ag bimetallic nanoparticles deposited on palygorskite in the presence of TiO for enhanced photodegradation activity through synergistic effect. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 23995-24007	5.1	8
175	Biopolymeric Materials Used as Nonviral Vectors: A Review. <i>Polysaccharides</i> , 2021 , 2, 100-109	3	0
174	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. <i>Molecules</i> , 2021 , 26,	4.8	1
173	Development of nanostructured systems using natural polymers to optimize the treatment of inflammatory bowel diseases: A prospective study. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 64, 102590	4.5	2
172	Nanocellulose/palygorskite biocomposite membranes for controlled release of metronidazole. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 689-695	7.9	1
171	When RNA meets montmorillonite: Influence of the pH and divalent cations. <i>Applied Clay Science</i> , 2021 , 214, 106234	5.2	2
170	Eco-friendly synthesis of phthalate angico gum towards nanoparticles engineering using Quality by Design (QbD) approach. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 801-809	7.9	1
169	New properties of chia seed mucilage (<i>Salvia hispanica</i> L.) and potential application in cosmetic and pharmaceutical products. <i>Industrial Crops and Products</i> , 2021 , 171, 113981	5.9	3
168	A novel green approach based on ZnO nanoparticles and polysaccharides for photocatalytic performance. <i>Dalton Transactions</i> , 2020 , 49, 16394-16403	4.3	9
167	Printing composite nanofilaments for use in a simple and low-cost 3D pen. <i>Journal of Materials Research</i> , 2020 , 35, 1154-1162	2.5	4
166	Modified chicha gum by acetylation for antimicrobial and antiparasitic applications: Characterization and biological properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 1177-1188	7.9	7
165	Supporting the photocatalysts on ZrO ₂ : An effective way to enhance the photocatalytic activity of SrSnO ₃ . <i>Applied Surface Science</i> , 2020 , 528, 146991	6.7	15

164	New composite TiO ₂ /natural gums for high efficiency in photodiscoloration process. <i>Ceramics International</i> , 2020 , 46, 15534-15543	5.1	8
163	Saponite-anthocyanin pigments: Slipping between the sheets. <i>Microporous and Mesoporous Materials</i> , 2020 , 300, 110148	5.3	9
162	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1173-1186	7.3	9
161	Antibacterial and cytotoxic properties from esterified Sterculia gum. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 606-615	7.9	11
160	Amino hydroxyapatite/chitosan hybrids reticulated with glutaraldehyde at different pH values and their use for diclofenac removal. <i>Carbohydrate Polymers</i> , 2020 , 236, 116036	10.3	27
159	Antimicrobial efficacy of building material based on ZnO/palygorskite against Gram-negative and Gram-positive bacteria. <i>Applied Clay Science</i> , 2020 , 188, 105499	5.2	15
158	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 132	2.4	5
157	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	21
156	Biocompatible Gels of Chitosan-Buriti Oil for Potential Wound Healing Applications. <i>Materials</i> , 2020 , 13,	3.5	8
155	A comparative study of alanine adsorption and condensation to peptides in two clay minerals. <i>Applied Clay Science</i> , 2020 , 192, 105617	5.2	8
154	Saponite-anthocyanin derivatives: The role of organoclays in pigment photostability. <i>Applied Clay Science</i> , 2020 , 191, 105604	5.2	17
153	Modulating the structure of organofunctionalized hydroxyapatite/tripolyphosphate/chitosan spheres for dye removal. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103980	6.8	12
152	TiO ₂ Immobilized on Fibrous Clay as Strategies to Photocatalytic Activity. <i>Materials Research</i> , 2020 , 23,	1.5	9
151	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020 , 115, 111051	8.3	9
150	Study of interactions between organic contaminants and a new phosphated biopolymer derived from cellulose. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 668-677	7.9	6
149	Novel modified bentonites applied to the removal of an anionic azo-dye from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 585, 124152	5.1	6
148	Through alizarin-hectorite pigments: Influence of organofunctionalization on fading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 587, 124323	5.1	8
147	Development of an Experimental Dentifrice with Hydroxyapatite Nanoparticles and High Fluoride Concentration to Manage Root Dentin Demineralization. <i>International Journal of Nanomedicine</i> , 2020 , 15, 7469-7479	7.3	4

146	Cerium-doped calcium phosphates precipitated on bacterial cellulose platform by mineralization. <i>Ceramics International</i> , 2020 , 46, 26985-26990	5.1	6
145	Amino-functionalized titanate nanotubes for highly efficient removal of anionic dye from aqueous solution. <i>Applied Surface Science</i> , 2020 , 512, 145659	6.7	10
144	Sterculia striata gum as a potential oral delivery system for protein drugs. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1683-1692	7.9	9
143	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 927-935	7.9	10
142	Understanding the role of dye in colorful thermoplastic film under visible light. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	1
141	Eco-friendly synthesis and photocatalytic application of flowers-like ZnO structures using Arabic and Karaya Gums. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2813-2822	7.9	13
140	Monitoring diclofenac adsorption by organophilic alkylpyridinium bentonites. <i>Chemosphere</i> , 2020 , 242, 125109	8.4	32
139	Spectroscopic, thermal characterizations and bacteria inhibition of chemically modified chitosan with phthalic anhydride. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122053	4.4	13
138	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. <i>Ceramics International</i> , 2020 , 46, 3811-3817	5.1	5
137	Hybrid chitosan/amniotic membrane-based hydrogels for articular cartilage tissue engineering application. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 961-970	3	7
136	Performance, Body Water Balance, Ingestive Behavior and Blood Metabolites in Goats Fed with Cactus Pear (<i>Opuntia ficus-indica</i> L. Miller) Silage Subjected to An Intermittent Water Supply. <i>Sustainability</i> , 2020 , 12, 2881	3.6	6
135	Systems developed for application as self-cleaning surfaces and/or antimicrobial properties: a short review on materials and production methods. <i>Ceramica</i> , 2019 , 65, 477-484	1	3
134	Heterogeneous photocatalysis using TiO ₂ in suspension applied to antioxidant activity assays. <i>Materials Today: Proceedings</i> , 2019 , 14, 648-655	1.4	1
133	Semiconductor supported by palygorskite and layered double hydroxides clays to dye discoloration in solution by a photocatalytic process. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103431	6.8	10
132	Understanding Urea Encapsulation in Different Clay Minerals as a Possible System for Ruminant Nutrition. <i>Molecules</i> , 2019 , 24,	4.8	2
131	Strategies to improve glibenclamide dissolution: A review using database tomography. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101242	4.5	2
130	Understanding the interactions between ranitidine and magadiite: Influence of the interlayer cation. <i>Chemosphere</i> , 2019 , 222, 980-990	8.4	13
129	Biological properties of chitosan derivatives associated with the ceftazidime drug. <i>Carbohydrate Polymers</i> , 2019 , 222, 115002	10.3	20

128	Desenvolvimento de biomaterial composto por hidroxiapatita e clorexidina para aplica�o na cavidade oral. <i>Ceramica</i> , 2019 , 65, 130-138	1	2
127	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900158	10.1	22
126	Synthetic Smectic Clays: Bioprinting a Synthetic Smectic Clay for Orthopedic Applications (Adv. Healthcare Mater. 13/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970051	10.1	
125	Synthesis, characterization and electrochemical properties of composites synthesized from silver-tannic acid hybrid nanoparticles and different clays. <i>Applied Clay Science</i> , 2019 , 181, 105219	5.2	8
124	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums-Biological and Mechanical Properties. <i>Materials</i> , 2019 , 12,	3.5	15
123	Methionine microencapsulated with a carnauba (<i>Copernicia prunifera</i>) wax matrix for protection from degradation in the rumen. <i>Livestock Science</i> , 2019 , 228, 53-60	1.7	7
122	Evaluation of methylene blue removal by plasma activated palygorskites. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5432-5442	5.5	30
121	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. <i>Carbohydrate Polymers</i> , 2019 , 225, 115246	10.3	5
120	Sustainable natural gums for industrial application: Physiochemical and texturometric evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101306	4.5	4
119	Titanate-based one-dimensional nano-heterostructure: Study of hydrothermal reaction parameters for improved photocatalytic application. <i>Solid State Sciences</i> , 2019 , 98, 106043	3.4	9
118	Understanding the effect of UV light in systems containing clay minerals and tetracycline. <i>Applied Clay Science</i> , 2019 , 183, 105311	5.2	5
117	Hybrid Systems Based on Talc and Chitosan for Controlled Drug Release. <i>Materials</i> , 2019 , 12,	3.5	6
116	Nanostructured polymeric system based of cashew gum for oral administration of insulin. <i>Revista Materia</i> , 2019 , 24,	0.8	4
115	Photodegradation study of TiO ₂ and ZnO in suspension using miniaturized tests. <i>Revista Materia</i> , 2019 , 24,	0.8	4
114	Solvent-free production of phthalated cashew gum for green synthesis of antimicrobial silver nanoparticles. <i>Carbohydrate Polymers</i> , 2019 , 213, 176-183	10.3	39
113	Nanostructured Carbon-Based Materials for Adsorption of Organic Contaminants from Water. <i>Engineering Materials</i> , 2019 , 35-64	0.4	
112	Electrospun Nanofibrous Poly (Lactic Acid)/Titanium Dioxide Nanocomposite Membranes for Cutaneous Scar Minimization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 421	5.8	4
111	Microwave bentonite silylation for dye removal: Influence of the solvent. <i>Applied Clay Science</i> , 2019 , 168, 478-487	5.2	17

110	Thiabendazole/bentonites hybrids as controlled release systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 249-255	6	28
109	Chitosan associated with chlorhexidine in gel form: Synthesis, characterization and healing wounds applications. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 49, 375-382	4.5	14
108	Development of a low-cost electrochemical sensor based on babassu mesocarp (<i>Orbignya phalerata</i>) immobilized on a flexible gold electrode for applications in sensors for 5-fluorouracil chemotherapeutics. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 659-667	4.4	6
107	Solvent-free synthesis of acetylated cashew gum for oral delivery system of insulin. <i>Carbohydrate Polymers</i> , 2019 , 207, 601-608	10.3	23
106	Modification of kaolinite from Par�� Brazil region applied in the anionic dye photocatalytic discoloration. <i>Applied Clay Science</i> , 2019 , 168, 295-303	5.2	22
105	Evaluation of physico-chemical properties and antimicrobial synergic effect of ceftazidime-modified chitosan. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1629-1636	4.1	6
104	Chemically modified babassu coconut (<i>Orbignya</i> sp.) biopolymer: characterization and development of a thin film for its application in electrochemical sensors. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	8
103	Modifying cellulose with metaphosphoric acid and its efficiency in removing brilliant green dye. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 470-478	7.9	24
102	Potential of Cellulose Functionalized with Carboxylic Acid as Biosorbent for the Removal of Cationic Dyes in Aqueous Solution. <i>Molecules</i> , 2018 , 23,	4.8	29
101	Potential of amino-functionalized cellulose as an alternative sorbent intended to remove anionic dyes from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 1282-1295	7.9	22
100	Effective Removal of the Remazol Yellow GR Dye Using Cellulose Functionalized by Basic Groups. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	4
99	Immobilization of biomolecules on natural clay minerals for medical applications 2018 , 1, 31		2
98	Assessment of the Photocatalytic Efficiency of TiO2 in the Presence of Sulphate. <i>Materials Science Forum</i> , 2018 , 930, 589-593	0.4	
97	Photo-Oxidation of Tetracycline Adsorbed in Clay and in Aqueous Suspension. <i>Materials Science Forum</i> , 2018 , 930, 552-555	0.4	
96	Absorption Evaluation of Water in Panels from Elephant Grass with Eucalyptus sp. Leaves. <i>Materials Science Forum</i> , 2018 , 930, 207-211	0.4	
95	Degradation of Colored Polystyrene Films. <i>Materials Science Forum</i> , 2018 , 930, 254-257	0.4	1
94	The Use of Palygorskite as a Catalytic Support for TiO2 on the Degradation of Herbicide: A Review. <i>Materials Science Forum</i> , 2018 , 930, 568-571	0.4	
93	Organophilic bentonites obtained by microwave heating as adsorbents for anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 7080-7090	6.8	28

92	Alkaline earth stannates applied in photocatalysis: prospection and review of literature. <i>Ceramica</i> , 2018 , 64, 559-569	1	14
91	Modified chitosan-based bioactive material for antimicrobial application: Synthesis and characterization. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 640-647	7.9	44
90	Preparation and physicochemical characterization of binary composites palygorskite-chitosan for drug delivery. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1327-1334	4.1	10
89	Development and characterization of bacterial cellulose produced by cashew tree residues as alternative carbon source. <i>Industrial Crops and Products</i> , 2017 , 107, 13-19	5.9	61
88	Obtaining the palygorskite:chitosan composite for modified release of 5-aminosalicylic acid. <i>Materials Science and Engineering C</i> , 2017 , 73, 245-251	8.3	9
87	Degradation of Poly(Ethylene Oxide) Films Using Crystal Violet. <i>Materials Research</i> , 2017 , 20, 869-872	1.5	4
86	Resistant starch/pectin free-standing films reinforced with nanocellulose intended for colonic methotrexate release. <i>Carbohydrate Polymers</i> , 2017 , 157, 1013-1023	10.3	58
85	Use of phyllosilicate clay mineral to increase solubility olanzapine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1743-1750	4.1	7
84	Biopolymers and pilocarpine interaction study for use in drug delivery systems (DDS). <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1777-1785	4.1	8
83	Direct Modification of Microcrystalline Cellulose with Ethylenediamine for use as Adsorbent for Removal Amitriptyline Drug from Environment. <i>Molecules</i> , 2017 , 22,	4.8	23
82	Uso de fotólise direta e H ₂ O ₂ /UV em solução aquosa contendo o corante violeta cristal. <i>Holos Environment</i> , 2017 , 17, 138	1.5	3
81	Integrating chloroethyl phosphate with biopolymer cellulose and assessing their potential for absorbing brilliant green dye. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3348-3356	6.8	15
80	Chitosan Hydrogel in combination with Nerolidol for healing wounds. <i>Carbohydrate Polymers</i> , 2016 , 152, 409-418	10.3	44
79	Cellulose Phosphate Applied in the Removal of the Drug Acetaminophen from Aqueous Media. <i>Materials Science Forum</i> , 2016 , 869, 745-749	0.4	3
78	Sorption of Bright Yellow Dyes by Filter Papers. <i>Materials Science Forum</i> , 2016 , 869, 735-739	0.4	
77	Influence of Time and Temperature on Directional Growth of MoO ₃ . <i>Materials Science Forum</i> , 2016 , 869, 1001-1006	0.4	
76	Thermally activated palygorskites as agents to clarify soybean oil. <i>Applied Clay Science</i> , 2016 , 119, 338-347	5.2	27
75	Gums-based delivery systems: Review on cashew gum and its derivatives. <i>Carbohydrate Polymers</i> , 2016 , 147, 188-200	10.3	72

74	Hidroxiapatita: suporte para liberaç� de f�macos e propriedades antimicrobianas. <i>Ceramica</i> , 2016 , 62, 256-265	1	4
73	Utiliza� de argilas fibrosas e tubulares para a libera� modificadas de f�macos: uma revis�. <i>Revista Materia</i> , 2016 , 21, 204-212	0.8	1
72	Sawdust Derivative for Environmental Application: Chemistry, Functionalization and Removal of textile dye from aqueous solution. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016 , 88, 1212-20	1.4	5
71	Natural Palygorskite as an Industrial Dye Remover in Single and Binary Systems. <i>Materials Research</i> , 2016 , 19, 1232-1240	1.5	10
70	Determining the Content of Toxic Substances in Panels from Pruning Acacia mangium Willd. <i>Materials Science Forum</i> , 2016 , 869, 102-105	0.4	
69	Development and Evaluation of Capsule of Sodium Diclofenac and Paracetamol Using Mesocarp Babassu Powder as Excipient - Part II. <i>Materials Science Forum</i> , 2016 , 869, 849-853	0.4	
68	Evaluation of the Potential of Mesocarp Babassu Powder as a Technological Excipient to Pharmaceutical Industry - Part I. <i>Materials Science Forum</i> , 2016 , 869, 874-879	0.4	1
67	Hydroxyapatites Obtained from Different Routes and their Antimicrobial Properties. <i>Materials Science Forum</i> , 2016 , 869, 890-895	0.4	4
66	Electrochemical Behavior of Electroactive PVS/PANI Films Containing Chemically Modified Cellulose. <i>Materials Science Forum</i> , 2016 , 869, 809-814	0.4	
65	Functionalization of Cellulose with Cysteamine: Synthesis, Characterization, and Adsorption. <i>Materials Science Forum</i> , 2016 , 869, 740-744	0.4	1
64	Development of new phosphated cellulose for application as an efficient biomaterial for the incorporation/release of amitriptyline. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 362-375	7.9	27
63	Incorporation of Zirconium Oxide on the Surface of Palygorskite Clay for Photodegradation of Industrial Dye. <i>Materials Science Forum</i> , 2016 , 869, 768-772	0.4	5
62	Antibacterial Activity of a Chitosan Derivative Obtained in the Absence of a Solvent. <i>Materials Science Forum</i> , 2016 , 869, 869-873	0.4	4
61	Nanostructured and Electroactive Hybrid Films Containing Microcrystalline Cellulose Modified with the Phosphate Group: Synthesis and Characterization. <i>Materials Science Forum</i> , 2016 , 869, 840-845	0.4	
60	Photocatalysis of Coomassie Brilliant Blue Using Clay Mineral. <i>Materials Science Forum</i> , 2016 , 869, 765-767	7.4	4
59	A Study of the Chemical and Physical Characteristics of the Soils from the South of Pia� for Soil-Cement Brick Production. <i>Materials Science Forum</i> , 2016 , 869, 112-115	0.4	1
58	Organofunctionalization of Natural Palygorskite with Ethylene Sulfide in the Absence of a Solvent. <i>Materials Science Forum</i> , 2016 , 869, 176-180	0.4	
57	Attapulgite Performance in the Degradation of the Yellow Bright Dye. <i>Materials Science Forum</i> , 2016 , 869, 761-764	0.4	4

56	Preparation and characterization of composite polyaniline/poly(vinyl alcohol)/palygorskite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 37-46	4.1	9
55	Layer-by-layer hybrid films of phosphate cellulose and electroactive polymer as chromium (VI) sensors. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 2129-2139	2.6	9
54	Catalytic performance of kenyaite and magadiite lamellar silicates for the production of unsaturated esters. <i>Chemical Engineering Journal</i> , 2015 , 263, 257-267	14.7	15
53	Sorption of the anionic reactive red RB dye in cellulose: Assessment of kinetic, thermodynamic, and equilibrium data. <i>Open Chemistry</i> , 2015 , 13,	1.6	21
52	Use of Cellulosic Materials as Dye Adsorbents [A Prospective Study 2015 ,		5
51	Chemical Functionalization of Cellulosic Materials [Main Reactions and Applications in the Contaminants Removal of Aqueous Medium 2015 ,		2
50	Acid-leached mixed vermiculites obtained by treatment with nitric acid. <i>Applied Clay Science</i> , 2015 , 104, 286-294	5.2	47
49	Development and characterization of composites based on polyaniline and modified microcrystalline cellulose with anhydride maleic as platforms for electrochemical trials. <i>Colloid and Polymer Science</i> , 2015 , 293, 1049-1058	2.4	7
48	Characterization and catalytic performances of copper and cobalt-exchanged hydroxyapatite in glycerol conversion for 1-hydroxyacetone production. <i>Applied Catalysis A: General</i> , 2014 , 471, 39-49	5.1	30
47	Organophilic nickel phyllosilicate for reactive blue dye removal. <i>Chemical Engineering Journal</i> , 2014 , 236, 332-340	14.7	23
46	Natural cellulose for ranitidine drug removal from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 605-611	6.8	14
45	Development and characterization of multilayer films of polyaniline, titanium dioxide and CTAB for potential antimicrobial applications. <i>Materials Science and Engineering C</i> , 2014 , 35, 449-54	8.3	15
44	Direct grafting of ethylene sulfide onto silicic acid magadiite. <i>Microporous and Mesoporous Materials</i> , 2014 , 196, 292-299	5.3	11
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