

Edson C Silva Filho

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7654315/edson-c-silva-filho-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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 systems containing clays and clay minerals from modified drug release: a review. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 642-51	6	151
198	Kinetics and thermodynamics of textile dye adsorption from aqueous solutions using babassu coconut mesocarp. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1272-8	12.8	143
197	Preparation of ethylenediamine-anchored cellulose and determination of thermochemical data for the interaction between cations and basic centers at the solid/liquid interface. <i>Carbohydrate Research</i> , 2006 , 341, 2842-50	2.9	101
196	Dye anionic sorption in aqueous solution onto a cellulose surface chemically modified with aminoethanethiol. <i>Chemical Engineering Journal</i> , 2013 , 218, 89-98	14.7	88
195	Adsorption of an industrial anionic dye by modified-KSF-montmorillonite: Evaluation of the kinetic, thermodynamic and equilibrium data. <i>Chemical Engineering Journal</i> , 2012 , 203, 259-268	14.7	88
194	GumsBased delivery systems: Review on cashew gum and its derivatives. <i>Carbohydrate Polymers</i> , 2016 , 147, 188-200	10.3	72
193	Hydroxyapatite organofunctionalized with silylating agents to heavy cation removal. <i>Journal of Colloid and Interface Science</i> , 2006 , 302, 485-91	9.3	69
192	Maleic anhydride incorporated onto cellulose and thermodynamics of cation-exchange process at the solid/liquid interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 346, 138-145	5.1	65
191	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
190	Immobilization of ethylene sulfide in aminated cellulose for removal of the divalent cations. <i>Carbohydrate Polymers</i> , 2013 , 92, 1203-10	10.3	60
189	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
188	Removal of textile dyes from aqueous solution by babassu coconut epicarp (<i>Orbignya speciosa</i>). <i>Chemical Engineering Journal</i> , 2011 , 173, 334-340	14.7	58
187	Copper sorption from aqueous solutions and sugar cane spirits by chemically modified babassu coconut (<i>Orbignya speciosa</i>) mesocarp. <i>Chemical Engineering Journal</i> , 2010 , 161, 99-105	14.7	51
186	Ethylenesulfide as a useful agent for incorporation into the biopolymer chitosan in a solvent-free reaction for use in cation removal. <i>Carbohydrate Research</i> , 2009 , 344, 1716-23	2.9	48
185	Acid-leached mixed vermiculites obtained by treatment with nitric acid. <i>Applied Clay Science</i> , 2015 , 104, 286-294	5.2	47
184	Extraction of Pb(II), Cd(II), and Hg(II) from aqueous solution by nitrogen and thiol functionality grafted to silica gel measured by calorimetry. <i>Thermochimica Acta</i> , 2006 , 450, 12-15	2.9	46
183	Chitosan Hydrogel in combination with Nerolidol for healing wounds. <i>Carbohydrate Polymers</i> , 2016 , 152, 409-418	10.3	44

182	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
181	Zinc phyllosilicates containing amino pendant groups. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2316-2332	3.3	42
180	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
179	Cation removal using cellulose chemically modified by a Schiff base procedure applying green principles. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 8-15	9.3	38
178	Immobilization of ethylenesulfide on babassu coconut epicarp and mesocarp for divalent cation sorption. <i>Journal of Hazardous Materials</i> , 2010 , 174, 714-9	12.8	37
177	Chemical composition and possible use as adjuvant of the antibiotic therapy of the essential oil of <i>Rosmarinus officinalis</i> L.. <i>Industrial Crops and Products</i> , 2014 , 59, 290-294	5.9	33
176	Modified coupling agents based on thiourea, immobilized onto silica. Thermodynamics of copper adsorption. <i>Surface Science</i> , 2009 , 603, 2200-2206	1.8	32
175	Monitoring diclofenac adsorption by organophilic alkylpyridinium bentonites. <i>Chemosphere</i> , 2020 , 242, 125109	8.4	32
174	Evaluation of methylene blue removal by plasma activated palygorskites. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5432-5442	5.5	30
173	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
172	Synthesized cellulose/succinic anhydride as an ion exchanger. Calorimetry of divalent cations in aqueous suspension. <i>Thermochimica Acta</i> , 2011 , 524, 29-34	2.9	30
171	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
170	Effects of acid treatment on the clay palygorskite: XRD, surface area, morphological and chemical composition. <i>Materials Research</i> , 2014 , 17, 3-08	1.5	29
169	X-ray diffraction and thermogravimetry data of cellulose, chlorodeoxycellulose and aminodeoxycellulose. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 315-321	4.1	28
168	Thiabendazole/bentonites hybrids as controlled release systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 249-255	6	28
167	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
166	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
165	Thermally activated palygorskites as agents to clarify soybean oil. <i>Applied Clay Science</i> , 2016 , 119, 338-347	3.7	27

164	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
163	Surface cellulose modification with 2-aminomethylpyridine for copper, cobalt, nickel and zinc removal from aqueous solution. <i>Materials Research</i> , 2013 , 16, 79-84	1.5	26
162	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
161	Phosphated Cellulose as an Efficient Biomaterial for Aqueous Drug Ranitidine Removal. <i>Materials</i> , 2014 , 7, 7907-7924	3.5	24
160	Organophilic nickel phyllosilicate for reactive blue dye removal. <i>Chemical Engineering Journal</i> , 2014 , 236, 332-340	14.7	23
159	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
158	Solvent-free synthesis of acetylated cashew gum for oral delivery system of insulin. <i>Carbohydrate Polymers</i> , 2019 , 207, 601-608	10.3	23
157	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900158	10.1	22
156	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
155	Thermodynamic Data of 6-(4?-Aminobutylamino)-6-deoxycellulose Sorbent for Cation Removal from Aqueous Solutions. <i>Separation Science and Technology</i> , 2011 , 46, 2566-2574	2.5	22
154	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
153	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	21
152	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
151	Exploring the favorable ion-exchange ability of phthalylated cellulose biopolymer using thermodynamic data. <i>Carbohydrate Research</i> , 2010 , 345, 1914-21	2.9	21
150	Biological properties of chitosan derivatives associated with the ceftazidime drug. <i>Carbohydrate Polymers</i> , 2019 , 222, 115002	10.3	20
149	Sequestration of Cu(II), Ni(II), and Co(II) by ethyleneimine immobilized on silica. <i>Thermochimica Acta</i> , 2007 , 453, 72-74	2.9	20
148	Microwave-initiated rapid synthesis of phthalated cashew gum for drug delivery systems. <i>Carbohydrate Polymers</i> , 2021 , 254, 117226	10.3	19
147	Saponite-anthocyanin derivatives: The role of organoclays in pigment photostability. <i>Applied Clay Science</i> , 2020 , 191, 105604	5.2	17

146	Microwave bentonite silylation for dye removal: Influence of the solvent. <i>Applied Clay Science</i> , 2019 , 168, 478-487	5.2	17
145	Brazilian Palygorskite as Adsorbent for Metal Ions from Aqueous Solution Kinetic and Equilibrium Studies. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	16
144	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
143	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
142	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
141	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
140	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums-Biological and Mechanical Properties. <i>Materials</i> , 2019 , 12,	3.5	15
139	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
138	Chemical modification of chitosan in the absence of solvent for diclofenac sodium removal: pH and kinetics studies. <i>Materials Research</i> , 2014 , 17, 141-145	1.5	15
137	Epicarp and mesocarp of babassu (<i>Orbignya speciosa</i>): characterization and application in copper phthalocyanine dye removal. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 21-29	1.5	15
136	Ethylenesulfide as a useful agent for incorporation on the biopolymer chitosan in a solvent-free reaction for use in lead and cadmium removal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 106, 369-373	4.1	15
135	Natural cellulose for ranitidine drug removal from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 605-611	6.8	14
134	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
133	Alkaline earth stannates applied in photocatalysis: prospection and review of literature. <i>Ceramica</i> , 2018 , 64, 559-569	1	14
132	Understanding the interactions between ranitidine and magadiite: Influence of the interlayer cation. <i>Chemosphere</i> , 2019 , 222, 980-990	8.4	13
131	Anchored fibrous chrysotile silica and its ability in using nitrogen basic centers on cation complexing from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 227, 85-91	5.1	13
130	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
129	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

128	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
127	Palygorskite organophilic for dermopharmaceutical application. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 2287-2294	4.1	12
126	Antibacterial and cytotoxic properties from esterified Sterculia gum. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 606-615	7.9	11
125	Direct grafting of ethylene sulfide onto silicic acid magadiite. <i>Microporous and Mesoporous Materials</i> , 2014 , 196, 292-299	5.3	11
124	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
123	Zn-doped mesoporous hydroxyapatites and their antimicrobial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 198, 111471	6	11
122	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
121	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
120	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
119	New Chemical Organic Anhydride Immobilization Process Used on Banana Pseudostems: A Biopolymer for Cation Removal. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11007-11015	3.9	10
118	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
117	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 927-935	7.9	10
116	Natural Palygorskite as an Industrial Dye Remover in Single and Binary Systems. <i>Materials Research</i> , 2016 , 19, 1232-1240	1.5	10
115	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
114	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
113	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
112	A novel green approach based on ZnO nanoparticles and polysaccharides for photocatalytic performance. <i>Dalton Transactions</i> , 2020 , 49, 16394-16403	4.3	9
111	Saponite-anthocyanin pigments: Slipping between the sheets. <i>Microporous and Mesoporous Materials</i> , 2020 , 300, 110148	5.3	9

110	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1173-1186	7.3	9
109	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
108	TiO ₂ Immobilized on Fibrous Clay as Strategies to Photocatalytic Activity. <i>Materials Research</i> , 2020 , 23,	1.5	9
107	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
106	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
105	New composite TiO ₂ /natural gums for high efficiency in photodiscoloration process. <i>Ceramics International</i> , 2020 , 46, 15534-15543	5.1	8
104	Biocompatible Gels of Chitosan-Buriti Oil for Potential Wound Healing Applications. <i>Materials</i> , 2020 , 13,	3.5	8
103	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
102	Chemically modified babassu coconut (Orbignya 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
101	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
100	Calorimetry studies for interaction in solid/liquid interface between the modified cellulose and divalent cation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 57-66	4.1	8
99	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
98	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
97	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
96	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
95	Methionine microencapsulated with a carnauba (Copernicia prunifera) wax matrix for protection from degradation in the rumen. <i>Livestock Science</i> , 2019 , 228, 53-60	1.7	7
94	Use of phyllosilicate clay mineral to increase solubility olanzapine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1743-1750	4.1	7
93	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

92	High performance maleated lignocellulose epicarp fibers for copper ion removal. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 183-193	1.7	7
91	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
90	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
89	Hybrid Systems Based on Talc and Chitosan for Controlled Drug Release. <i>Materials</i> , 2019 , 12,	3.5	6
88	The effect of natural and organophilic palygorskite on skin wound healing in rats. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013 , 49, 729-736	1.8	6
87	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
86	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
85	Cerium-doped calcium phosphates precipitated on bacterial cellulose platform by mineralization. <i>Ceramics International</i> , 2020 , 46, 26985-26990	5.1	6
84	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
83	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
82	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. <i>Materials Science and Engineering C</i> , 2021 , 120, 111776	8.3	6
81	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 132	2.4	5
80	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
79	Understanding the effect of UV light in systems containing clay minerals and tetracycline. <i>Applied Clay Science</i> , 2019 , 183, 105311	5.2	5
78	Thermochemistry of interaction between cellulose modified with 2-aminomethylpyridine and divalent cations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 423-429	4.1	5
77	Use of Cellulosic Materials as Dye Adsorbents [A Prospective Study 2015 ,		5
76	Synthesis and thermal characterization of copper and calcium mixed phosphates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 87, 775-778	4.1	5
75	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

74	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
73	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
72	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. <i>Ceramics International</i> , 2020 , 46, 3811-3817	5.1	5
71	Phthalic anhydride esterified chicha gum: characterization and antibacterial activity. <i>Carbohydrate Polymers</i> , 2021 , 251, 117077	10.3	5
70	Are Structurally Modified Galactomannan Derivatives Biologically Active?. <i>Polysaccharides</i> , 2021 , 2, 1-15	3	5
69	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
68	Degradation of Poly(Ethylene Oxide) Films Using Crystal Violet. <i>Materials Research</i> , 2017 , 20, 869-872	1.5	4
67	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
66	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
65	Thermal characterization of modified phyllosilicates with aromatic heterocyclic amines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 87, 767-770	4.1	4
64	Hidroxiapatita: suporte para liberaç�o de f�armacos e propriedades antimicrobianas. <i>Ceramica</i> , 2016 , 62, 256-265	1	4
63	Nanostructured polymeric system based of cashew gum for oral administration of insulin. <i>Revista Materia</i> , 2019 , 24,	0.8	4
62	Photodegradation study of TiO ₂ and ZnO in suspension using miniaturized tests. <i>Revista Materia</i> , 2019 , 24,	0.8	4
61	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
60	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
59	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
58	Hydroxyapatites Obtained from Different Routes and their Antimicrobial Properties. <i>Materials Science Forum</i> , 2016 , 869, 890-895	0.4	4
57	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

56	Photocatalysis of Coomassie Brilliant Blue Using Clay Mineral. <i>Materials Science Forum</i> , 2016 , 869, 765-767	4	4
55	Attapulgite Performance in the Degradation of the Yellow Bright Dye. <i>Materials Science Forum</i> , 2016 , 869, 761-764	0.4	4
54	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
53	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
52	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
51	Synthesis and characterization of a silylated Brazilian clay mineral surface. <i>Chemical Papers</i> , 2014 , 68,	1.9	3
50	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
49	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
48	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
47	Understanding Urea Encapsulation in Different Clay Minerals as a Possible System for Ruminant Nutrition. <i>Molecules</i> , 2019 , 24,	4.8	2
46	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
45	Desenvolvimento de biomaterial composto por hidroxiapatita e clorexidina para aplicação na cavidade oral. <i>Ceramica</i> , 2019 , 65, 130-138	1	2
44	Chemical Functionalization of Cellulosic Materials [Main Reactions and Applications in the Contaminants Removal of Aqueous Medium] 2015 ,		2
43	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
42	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1347	2.4	2
41	Immobilization of biomolecules on natural clay minerals for medical applications 2018 , 1, 31		2
40	A Brief Photocatalytic Study of ZnO Containing Cerium towards Ibuprofen Degradation. <i>Materials</i> , 2021 , 14,	3.5	2
39	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

38	When RNA meets montmorillonite: Influence of the pH and divalent cations. <i>Applied Clay Science</i> , 2021 , 214, 106234	5.2	2
37	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
36	Heterogeneous photocatalysis using TiO ₂ in suspension applied to antioxidant activity assays. <i>Materials Today: Proceedings</i> , 2019 , 14, 648-655	1.4	1
35	Analysis of the Properties of Asphaltic Concrete Using Recycled Aggregates of CDW. <i>Materials Science Forum</i> , 2014 , 775-776, 613-618	0.4	1
34	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
33	Polymeric Microparticles of Calcium Pectinate Containing Urea for Slow Release in Ruminant Diet. <i>Polymers</i> , 2021 , 13,	4.5	1
32	Understanding the role of dye in colorful thermoplastic film under visible light. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	1
31	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
30	Functionalization of Cellulose with Cysteamine: Synthesis, Characterization, and Adsorption. <i>Materials Science Forum</i> , 2016 , 869, 740-744	0.4	1
29	A Study of the Chemical and Physical Characteristics of the Soils from the South of Piaul�r Soil-Cement Brick Production. <i>Materials Science Forum</i> , 2016 , 869, 112-115	0.4	1
28	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. <i>Molecules</i> , 2021 , 26,	4.8	1
27	Degradation of Colored Polystyrene Films. <i>Materials Science Forum</i> , 2018 , 930, 254-257	0.4	1
26	Nanocellulose/palygorskite biocomposite membranes for controlled release of metronidazole. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 689-695	7.9	1
25	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
24	Nanocomposite Hydrogel Produced from PEGDA and Laponite for Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2022 , 13, 53	4.8	1
23	Effect of Oxycations in Clay Mineral on Adsorption�anadyl Exchange Bentonites and Their Ability for Amiloride Removal. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1327	2.4	0
22	Hybrid Pigments from Bixin Dye and Inorganic Matrices. <i>Environmental Sciences Proceedings</i> , 2021 , 6, 21	1	0
21	Biopolymeric Materials Used as Nonviral Vectors: A Review. <i>Polysaccharides</i> , 2021 , 2, 100-109	3	0

20	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	o
19	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 525	2.4	o
18	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	o
17	Sorption of Bright Yellow Dyes by Filter Papers. <i>Materials Science Forum</i> , 2016 , 869, 735-739	0.4	
16	Influence of Time and Temperature on Directional Growth of MoO ₃ . <i>Materials Science Forum</i> , 2016 , 869, 1001-1006	0.4	
15	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	
14	Adsorption of the Blue Dye Reactive Remazol RN in Cellulosic Materials. <i>Materials Science Forum</i> , 2014 , 775-776, 749-754	0.4	
13	Thermal Activation of Palygorskite at Different Temperatures. <i>Materials Science Forum</i> , 2014 , 775-776, 47-51	0.4	
12	Facile synthesis of H-CoMoO ₄ nanosheets for antibacterial approaches. <i>Chemical Papers</i> , 1	1.9	
11	Hybrid Pigments from Bixin Dye and Inorganic Matrices. <i>Environmental Sciences Proceedings</i> , 2021 , 6, 21	1	
10	Determining the Content of Toxic Substances in Panels from Pruning Acacia mangium Willd. <i>Materials Science Forum</i> , 2016 , 869, 102-105	0.4	
9	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	
8	Electrochemical Behavior of Electroactive PVS/PANI Films Containing Chemically Modified Cellulose. <i>Materials Science Forum</i> , 2016 , 869, 809-814	0.4	
7	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	
6	Organofunctionalization of Natural Palygorskite with Ethylene Sulfide in the Absence of a Solvent. <i>Materials Science Forum</i> , 2016 , 869, 176-180	0.4	
5	Nanostructured Carbon-Based Materials for Adsorption of Organic Contaminants from Water. <i>Engineering Materials</i> , 2019 , 35-64	0.4	
4	Assessment of the Photocatalytic Efficiency of TiO ₂ in the Presence of Sulphate. <i>Materials Science Forum</i> , 2018 , 930, 589-593	0.4	
3	Photo-Oxidation of Tetracycline Adsorbed in Clay and in Aqueous Suspension. <i>Materials Science Forum</i> , 2018 , 930, 552-555	0.4	

- 2 Absorption Evaluation of Water in Panels from Elephant Grass with Eucalyptus sp. Leaves. *Materials Science Forum*, **2018**, 930, 207-211 0.4
- 1 The Use of Palygorskite as a Catalytic Support for TiO₂ on the Degradation of Herbicide: A Review. *Materials Science Forum*, **2018**, 930, 568-571 0.4