Josy A Osajima

List of Publications by Year
in descending order

93	1,255	331670	454955
papers	citations	21 h-index	30 g-index

94	94	94	1430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clays as Vehicles for Drug Photostability. Pharmaceutics, 2022, 14, 796.	4.5	8
2	Clay Mineral Minerals as a Strategy for Biomolecule Incorporation: Amino Acids Approach. Materials, 2022, 15, 64.	2.9	4
3	Potential Wound Healing Effect of Gel Based on Chicha Gum, Chitosan, and Mauritia flexuosa Oil. Biomedicines, 2022, 10, 899.	3.2	7
4	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. Minerals (Basel, Switzerland), 2022, 12, 525.	2.0	9
5	Biopolymer from Water Kefir as a Potential Clean-Label Ingredient for Health Applications: Evaluation of New Properties. Molecules, 2022, 27, 3895.	3.8	2
6	TiO2/Karaya Composite for Photoinactivation of Bacteria. Materials, 2022, 15, 4559.	2.9	6
7	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.	4.5	14
8	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.	5.3	13
9	Biopolymeric Materials Used as Nonviral Vectors: A Review. Polysaccharides, 2021, 2, 100-109.	4.8	1
10	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. Molecules, 2021, 26, 1267.	3.8	1
11	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, .	0.3	0
12	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, 21.	0.3	1
13	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. Minerals (Basel, Switzerland), 2021, 11, 377.	2.0	13
14	Superabsorbent Hydrogels Based to Polyacrylamide/Cashew Tree Gum for the Controlled Release of Water and Plant Nutrients. Molecules, 2021, 26, 2680.	3.8	23
15	A Brief Photocatalytic Study of ZnO Containing Cerium towards Ibuprofen Degradation. Materials, 2021, 14, 5891.	2.9	23
16	Effect of Oxycations in Clay Mineral on Adsorptionâ€"Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal. Minerals (Basel, Switzerland), 2021, 11, 1327.	2.0	2
17	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. Minerals (Basel, Switzerland), 2021, 11, 1347.	2.0	8
18	Spectroscopic, thermal characterizations and bacteria inhibition of chemically modified chitosan with phthalic anhydride. Materials Chemistry and Physics, 2020, 240, 122053.	4.0	24

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19	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. Ceramics International, 2020, 46, 3811-3817.	4.8	16
20	Study of interactions between organic contaminants and a new phosphated biopolymer derived from cellulose. International Journal of Biological Macromolecules, 2020, 146, 668-677.	7.5	14
21	Amino-functionalized titanate nanotubes for highly efficient removal of anionic dye from aqueous solution. Applied Surface Science, 2020, 512, 145659.	6.1	21
22	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. International Journal of Biological Macromolecules, 2020, 161, 927-935.	7.5	12
23	Understanding the role of dye in colorful thermoplastic film under visible light. Journal of Polymer Research, 2020, 27, 1.	2.4	1
24	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.	7.5	34
25	A novel green approach based on ZnO nanoparticles and polysaccharides for photocatalytic performance. Dalton Transactions, 2020, 49, 16394-16403.	3.3	28
26	Printing composite nanofilaments for use in a simple and low-cost 3D pen. Journal of Materials Research, 2020, 35, 1154-1162.	2.6	4
27	Supporting the photocatalysts on ZrO2: An effective way to enhance the photocatalytic activity of SrSnO3. Applied Surface Science, 2020, 528, 146991.	6.1	30
28	New composite TiO2/naturals gums for high efficiency in photodiscoloration process. Ceramics International, 2020, 46, 15534-15543.	4.8	19
29	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications . International Journal of Nanomedicine, 2020, Volume 15, 1173-1186.	6.7	14
30	Adsorption of Salmonella in Clay Minerals and Clay-Based Materials. Minerals (Basel, Switzerland), 2020, 10, 130.	2.0	12
31	Antimicrobial efficacy of building material based on ZnO/palygorskite against Gram-negative and Gram-positive bacteria. Applied Clay Science, 2020, 188, 105499.	5.2	35
32	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. Minerals (Basel, Switzerland), 2020, 10, 132.	2.0	11
33	Biocompatible Gels of Chitosanâ€“Buriti Oil for Potential Wound Healing Applications. Materials, 2020, 13, 1977.	2.9	17
34	TiO2 Immobilized on Fibrous Clay as Strategies to Photocatalytic Activity. Materials Research, 2020, 23, .	1.3	18
35	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gumsâ€”Biological and Mechanical Properties. Materials, 2019, 12, 2389.	2.9	24
36	Synthesis of catalyst composed of palygorskita-TiO2 and silver nanoparticles for the development of assays antioxidant based on the generation of reactive oxygen species. Journal of Food Science and Technology, 2019, 56, 4349-4358.	2.8	4

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37	Evaluation of methylene blue removal by plasma activated palygorskites. Journal of Materials Research and Technology, 2019, 8, 5432-5442.	5.8	64
38	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. Carbohydrate Polymers, 2019, 225, 115246.	10.2	16
39	Understanding the effect of UV light in systems containing clay minerals and tetracycline. Applied Clay Science, 2019, 183, 105311.	5.2	17
40	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.	0.8	4
41	Heterogeneous photocatalysis using TiO2 in suspension applied to antioxidant activity assays. Materials Today: Proceedings, 2019, 14, 648-655.	1.8	1
42	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.	6.7	19
43	Understanding Urea Encapsulation in Different Clay Minerals as a Possible System for Ruminant Nutrition. Molecules, 2019, 24, 3525.	3.8	5
44	Biological properties of chitosan derivatives associated with the ceftazidime drug. Carbohydrate Polymers, 2019, 222, 115002.	10.2	35
45	Desenvolvimento de biomaterial composto por hidroxiapatita e clorexidina para aplicaÃ§Ã£o na cavidade oral. Ceramica, 2019, 65, 130-138.	0.8	7
46	One-Pot Synthesis of Titanate Nanotubes Decorated with Anatase Nanoparticles Using a Microwave-Assisted Hydrothermal Reaction. Journal of Nanomaterials, 2019, 2019, 1-10.	2.7	16
47	Chitosan associated with chlorhexidine in gel form: Synthesis, characterization and healing wounds applications. Journal of Drug Delivery Science and Technology, 2019, 49, 375-382.	3.0	17
48	Modification of kaolinite from ParÃ¡/Brazil region applied in the anionic dye photocatalytic discoloration. Applied Clay Science, 2019, 168, 295-303.	5.2	29
49	Photodegradation study of TiO2 and ZnO in suspension using miniaturized tests. Revista Materia, 2019, 24, .	0.2	7
50	InvestigaÃ§Ã£o do potencial do talo e da palha da carnaÃºba para utilizaÃ§Ã£o como biocombustÃvel. Revista Materia, 2019, 24, .	0.2	0
51	Evaluation of physico-chemical properties and antimicrobial synergic effect of ceftazidime-modified chitosan. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1629-1636.	3.6	12
52	Modifying cellulose with metaphosphoric acid and its efficiency in removing brilliant green dye. International Journal of Biological Macromolecules, 2018, 114, 470-478.	7.5	26
53	Study on the Influence of the Wastes from Cashew Industry on Environmentally Friendly Bricks. Materials Science Forum, 2018, 930, 120-124.	0.3	2
54	Photo-Oxidation of Tetracycline Adsorbed in Clayand in Aqueous Suspension. Materials Science Forum, 2018, 930, 552-555.	0.3	0

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55	Absorption Evaluation of Water in Panels from Elephant Grass with Eucalyptus sp. Leaves. Materials Science Forum, 2018, 930, 207-211.	0.3	0
56	Degradation of Colored Polystyrene Films. Materials Science Forum, 2018, 930, 254-257.	0.3	1
57	Biopolymer from Adenanthera pavonina L. Seeds: Characterization, Photostability, Antioxidant Activity, and Biotoxicity Evaluation. International Journal of Polymer Science, 2018, 2018, 1-7.	2.7	11
58	Alkaline earth stannates applied in photocatalysis: prospection and review of literature. Ceramica, 2018, 64, 559-569.	0.8	21
59	Potential of Cellulose Functionalized with Carboxylic Acid as Biosorbent for the Removal of Cationic Dyes in Aqueous Solution. Molecules, 2018, 23, 743.	3.8	44
60	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.	7.5	32
61	Effective Removal of the Remazol Yellow GR Dye Using Cellulose Functionalized by Basic Groups. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	7
62	Direct Modification of Microcrystalline Cellulose with Ethylenediamine for Use as Adsorbent for Removal Amitriptyline Drug from Environment. Molecules, 2017, 22, 2039.	3.8	33
63	Degradation of Poly(Ethylene Oxide) Films Using Crystal Violet. Materials Research, 2017, 20, 869-872.	1.3	5
64	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
65	CONTEÃšDO DE NUTRIENTES NA BIOMASSA E EFICIÃŠNCIA NUTRICIONAL EM ESPÃ‰CIES DA CAATINGA. Ciencia Florestal, 2017, 27, 377-390.	0.3	11
66	Functionalization of Cellulose with Cysteamine: Synthesis, Characterization, and Adsorption. Materials Science Forum, 2016, 869, 740-744.	0.3	1
67	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.	7.5	36
68	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
69	Photocatalysis of Coomassie Brilliant Blue Using Clay Mineral. Materials Science Forum, 2016, 869, 765-767.	0.3	5
70	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
71	Attapulgite Performance in the Degradation of the Yellow Bright Dye. Materials Science Forum, 2016, 869, 761-764.	0.3	4
72	Integrating chloroethyl phosphate with biopolymer cellulose and assessing their potential for absorbing brilliant green dye. Journal of Environmental Chemical Engineering, 2016, 4, 3348-3356.	6.7	16

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73	Chitosan Hydrogel in combination with Nerolidol for healing wounds. Carbohydrate Polymers, 2016, 152, 409-418.	10.2	59
74	Cellulose Phosphate Applied in the Removal of the Drug Acetaminophen from Aqueous Media. Materials Science Forum, 2016, 869, 745-749.	0.3	3
75	Photosensitized Polystyrene Film for Dye TX under Different Radiation Sources. Materials Science Forum, 2016, 869, 820-823.	0.3	1
76	Changes in Molecular Weight of Poly(Styrenesulfonate) Initiated by Thioxanthone: Photolysis and Photo-Oxidation. Materials Science Forum, 2016, 869, 346-349.	0.3	0
77	Thermally activated palygorskites as agents to clarify soybean oil. Applied Clay Science, 2016, 119, 338-347.	5.2	47
78	New organic substrates and boron fertilizing for production of yellow passion fruit seedlings. Archives of Agronomy and Soil Science, 2016, 62, 445-455.	2.6	6
79	Hidroxiapatita: suporte para liberaÃ§Ã£o de fÃ¡rmacos e propriedades antimicrobianas. Ceramica, 2016, 62, 256-265.	0.8	7
80	Sorption of the anionic reactive red RB dye in cellulose: Assessment of kinetic, thermodynamic, and equilibrium data. Open Chemistry, 2015, 13, .	1.9	30
81	CONSERVAÃ‡ÃƒO DE INFLORESCÃŠNCIAS DE HELICÃ”NIAS PREVIAMENTE ADUBADAS COM DOSES CRESCENTES DE NITROGÃŠNIO E POTÃSSIO. Revista Caatinga, 2015, 28, 61-67.	0.7	2
82	Nutrient Concentrations and Leaf Chlorophyll of Yellow Passion Fruit Seedlings as a Function of Substrate Composition and Boron. Journal of Plant Nutrition, 2015, 38, 1984-1994.	1.9	4
83	Effects of acid treatment on the clay palygorskite: XRD, surface area, morphological and chemical composition. Materials Research, 2014, 17, 3-08.	1.3	35
84	Phosphated Cellulose as an Efficient Biomaterial for Aqueous Drug Ranitidine Removal. Materials, 2014, 7, 7907-7924.	2.9	30
85	ProduÃ§Ã£o de fitomassa e acÃºmulo de nutrientes por plantas de cobertura no cerrado piauiense. Bragantia, 2013, 72, 237-246.	1.3	16
86	Photooxidative degradation of QTX (a thioxanthone derivative). Journal of the Brazilian Chemical Society, 2011, 22, 217-222.	0.6	2
87	The Photocatalytic Degradation of Imazapyr. Monatshefte FÃ¼r Chemie, 2008, 139, 7-11.	1.8	13
88	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
89	Hydroxyapatites Obtained from Different Routes and their Antimicrobial Properties. Materials Science Forum, 0, 869, 890-895.	0.3	5
90	Antibacterial Activity of a Chitosan Derivative Obtained in the Absence of a Solvent. Materials Science Forum, 0, 869, 869-873.	0.3	5

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91	Sorption of Bright Yellow Dyes by Filter Papers. Materials Science Forum, 0, 869, 735-739.	0.3	0
92	Assessment of the Photocatalytic Efficiency of TiO₂ in the Presence of Sulphate. Materials Science Forum, 0, 930, 589-593.	0.3	0
93	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