

Josy A Osajima

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,255
citations

331670

21
h-index

454955

30
g-index

94
all docs

94
docs citations

94
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of methylene blue removal by plasma activated palygorskites. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5432-5442.	5.8	64
2	Chitosan Hydrogel in combination with Nerolidol for healing wounds. <i>Carbohydrate Polymers</i> , 2016, 152, 409-418.	10.2	59
3	Thermally activated palygorskites as agents to clarify soybean oil. <i>Applied Clay Science</i> , 2016, 119, 338-347.	5.2	47
4	Potential of Cellulose Functionalized with Carboxylic Acid as Biosorbent for the Removal of Cationic Dyes in Aqueous Solution. <i>Molecules</i> , 2018, 23, 743.	3.8	44
5	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.	7.5	36
6	Effects of acid treatment on the clay palygorskite: XRD, surface area, morphological and chemical composition. <i>Materials Research</i> , 2014, 17, 3-08.	1.3	35
7	Biological properties of chitosan derivatives associated with the ceftazidime drug. <i>Carbohydrate Polymers</i> , 2019, 222, 115002.	10.2	35
8	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	35
9	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.	7.5	34
10	Direct Modification of Microcrystalline Cellulose with Ethylenediamine for Use as Adsorbent for Removal Amitriptyline Drug from Environment. <i>Molecules</i> , 2017, 22, 2039.	3.8	33
11	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.	7.5	32
12	Phosphated Cellulose as an Efficient Biomaterial for Aqueous Drug Ranitidine Removal. <i>Materials</i> , 2014, 7, 7907-7924.	2.9	30
13	Sorption of the anionic reactive red RB dye in cellulose: Assessment of kinetic, thermodynamic, and equilibrium data. <i>Open Chemistry</i> , 2015, 13, .	1.9	30
14	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.	6.1	30
15	Modification of kaolinite from Pará/Brazil region applied in the anionic dye photocatalytic discoloration. <i>Applied Clay Science</i> , 2019, 168, 295-303.	5.2	29
16	A novel green approach based on ZnO nanoparticles and polysaccharides for photocatalytic performance. <i>Dalton Transactions</i> , 2020, 49, 16394-16403.	3.3	28
17	Modifying cellulose with metaphosphoric acid and its efficiency in removing brilliant green dye. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 470-478.	7.5	26
18	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums – Biological and Mechanical Properties. <i>Materials</i> , 2019, 12, 2389.	2.9	24

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19	Spectroscopic, thermal characterizations and bacteria inhibition of chemically modified chitosan with phthalic anhydride. <i>Materials Chemistry and Physics</i> , 2020, 240, 122053.	4.0	24
20	Superabsorbent Hydrogels Based to Polyacrylamide/Cashew Tree Gum for the Controlled Release of Water and Plant Nutrients. <i>Molecules</i> , 2021, 26, 2680.	3.8	23
21	A Brief Photocatalytic Study of ZnO Containing Cerium towards Ibuprofen Degradation. <i>Materials</i> , 2021, 14, 5891.	2.9	23
22	Alkaline earth stannates applied in photocatalysis: prospection and review of literature. <i>Ceramica</i> , 2018, 64, 559-569.	0.8	21
23	Amino-functionalized titanate nanotubes for highly efficient removal of anionic dye from aqueous solution. <i>Applied Surface Science</i> , 2020, 512, 145659.	6.1	21
24	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.	6.7	19
25	New composite TiO ₂ /natural gums for high efficiency in photodiscoloration process. <i>Ceramics International</i> , 2020, 46, 15534-15543.	4.8	19
26	TiO ₂ Immobilized on Fibrous Clay as Strategies to Photocatalytic Activity. <i>Materials Research</i> , 2020, 23, .	1.3	18
27	Understanding the effect of UV light in systems containing clay minerals and tetracycline. <i>Applied Clay Science</i> , 2019, 183, 105311.	5.2	17
28	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.	3.0	17
29	Biocompatible Gels of Chitosan and Buriti Oil for Potential Wound Healing Applications. <i>Materials</i> , 2020, 13, 1977.	2.9	17
30	Produção de fitomassa e acúmulo de nutrientes por plantas de cobertura no cerrado piauiense. <i>Bragantia</i> , 2013, 72, 237-246.	1.3	16
31	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.	6.7	16
32	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. <i>Carbohydrate Polymers</i> , 2019, 225, 115246.	10.2	16
33	One-Pot Synthesis of Titanate Nanotubes Decorated with Anatase Nanoparticles Using a Microwave-Assisted Hydrothermal Reaction. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	2.7	16
34	Development of composites scaffolds with calcium and cerium-hydroxyapatite and gellan gum. <i>Ceramics International</i> , 2020, 46, 3811-3817.	4.8	16
35	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.	7.5	14
36	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1173-1186.	6.7	14

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37	Application of Water Hyacinth Biomass (<i>Eichhornia crassipes</i>) as an Adsorbent for Methylene Blue Dye from Aqueous Medium: Kinetic and Isothermal Study. <i>Polymers</i> , 2022, 14, 2732.	4.5	14
38	The Photocatalytic Degradation of Imazapyr. <i>Monatshefte für Chemie</i> , 2008, 139, 7-11.	1.8	13
39	Au@Ag bimetallic nanoparticles deposited on palygorskite in the presence of TiO ₂ for enhanced photodegradation activity through synergistic effect. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23995-24007.	5.3	13
40	Effect of Cerium-Containing Hydroxyapatite in Bone Repair in Female Rats with Osteoporosis Induced by Ovariectomy. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 377.	2.0	13
41	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.	3.6	12
42	Kaolinite/cashew gum bionanocomposite for doxazosin incorporation and its release. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 927-935.	7.5	12
43	Adsorption of Salmonella in Clay Minerals and Clay-Based Materials. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 130.	2.0	12
44	Biopolymer from <i>Adenanthera pavonina</i> L. Seeds: Characterization, Photostability, Antioxidant Activity, and Biototoxicity Evaluation. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-7.	2.7	11
45	Oxide-Clay Mineral as Photoactive Material for Dye Discoloration. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 132.	2.0	11
46	CONTEÚDO DE NUTRIENTES NA BIOMASSA E EFICIÊNCIA NUTRICIONAL EM ESPÉCIES DA CAATINGA. <i>Ciencia Florestal</i> , 2017, 27, 377-390.	0.3	11
47	Light-Activated Hydroxyapatite Photocatalysts: New Environmentally-Friendly Materials to Mitigate Pollutants. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 525.	2.0	9
48	Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1347.	2.0	8
49	Clays as Vehicles for Drug Photostability. <i>Pharmaceutics</i> , 2022, 14, 796.	4.5	8
50	Effective Removal of the Remazol Yellow GR Dye Using Cellulose Functionalized by Basic Groups. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	7
51	Desenvolvimento de biomaterial composto por hidroxiapatita e clorexidina para aplicação na cavidade oral. <i>Ceramica</i> , 2019, 65, 130-138.	0.8	7
52	Hidroxiapatita: suporte para liberação de fármacos e propriedades antimicrobianas. <i>Ceramica</i> , 2016, 62, 256-265.	0.8	7
53	Photodegradation study of TiO ₂ and ZnO in suspension using miniaturized tests. <i>Revista Materia</i> , 2019, 24, .	0.2	7
54	Potential Wound Healing Effect of Gel Based on Chicha Gum, Chitosan, and <i>Mauritia flexuosa</i> Oil. <i>Biomedicines</i> , 2022, 10, 899.	3.2	7

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55	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
56	TiO ₂ /Karaya Composite for Photoinactivation of Bacteria. Materials, 2022, 15, 4559.	2.9	6
57	Hydroxyapatites Obtained from Different Routes and their Antimicrobial Properties. Materials Science Forum, 0, 869, 890-895.	0.3	5
58	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
59	Antibacterial Activity of a Chitosan Derivative Obtained in the Absence of a Solvent. Materials Science Forum, 0, 869, 869-873.	0.3	5
60	Photocatalysis of Coomassie Brilliant Blue Using Clay Mineral. Materials Science Forum, 2016, 869, 765-767.	0.3	5
61	Degradation of Poly(Ethylene Oxide) Films Using Crystal Violet. Materials Research, 2017, 20, 869-872.	1.3	5
62	Understanding Urea Encapsulation in Different Clay Minerals as a Possible System for Ruminant Nutrition. Molecules, 2019, 24, 3525.	3.8	5
63	Uso de fotólise direta e H ₂ O ₂ /UV em solução aquosa contendo o corante violeta cristal. Holos Environment, 2017, 17, 138.	0.1	5
64	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
65	Attapulgit Performance in the Degradation of the Yellow Bright Dye. Materials Science Forum, 2016, 869, 761-764.	0.3	4
66	Synthesis of catalyst composed of palygorskita-TiO ₂ 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
67	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
68	Printing composite nanofilaments for use in a simple and low-cost 3D pen. Journal of Materials Research, 2020, 35, 1154-1162.	2.6	4
69	Clay Mineral Minerals as a Strategy for Biomolecule Incorporation: Amino Acids Approach. Materials, 2022, 15, 64.	2.9	4
70	Cellulose Phosphate Applied in the Removal of the Drug Acetaminophen from Aqueous Media. Materials Science Forum, 2016, 869, 745-749.	0.3	3
71	CONSERVAÇÃO DE INFLORESCÊNCIAS DE HELICÓNIAS PREVIAMENTE ADUBADAS COM DOSES CRESCENTES DE NITROGÊNIO E POTÁSSIO. Revista Caatinga, 2015, 28, 61-67.	0.7	2
72	Study on the Influence of the Wastes from Cashew Industry on Environmentally Friendly Bricks. Materials Science Forum, 2018, 930, 120-124.	0.3	2

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73	Photooxidative degradation of QTX (a thioxanthone derivative). Journal of the Brazilian Chemical Society, 2011, 22, 217-222.	0.6	2
74	Effect of Oxycations in Clay Mineral on Adsorption of Vanadyl Exchange Bentonites and Their Ability for Amiloride Removal. Minerals (Basel, Switzerland), 2021, 11, 1327.	2.0	2
75	Biopolymer from Water Kefir as a Potential Clean-Label Ingredient for Health Applications: Evaluation of New Properties. Molecules, 2022, 27, 3895.	3.8	2
76	Functionalization of Cellulose with Cysteamine: Synthesis, Characterization, and Adsorption. Materials Science Forum, 2016, 869, 740-744.	0.3	1
77	A Study of the Chemical and Physical Characteristics of the Soils from the South of Piauí for Soil-Cement Brick Production. Materials Science Forum, 2016, 869, 112-115.	0.3	1
78	Photosensitized Polystyrene Film for Dye TX under Different Radiation Sources. Materials Science Forum, 2016, 869, 820-823.	0.3	1
79	Degradation of Colored Polystyrene Films. Materials Science Forum, 2018, 930, 254-257.	0.3	1
80	The Use of Palygorskite as a Catalytic Support for TiO ₂ on the Degradation of Herbicide: A Review. Materials Science Forum, 0, 930, 568-571.	0.3	1
81	Heterogeneous photocatalysis using TiO ₂ in suspension applied to antioxidant activity assays. Materials Today: Proceedings, 2019, 14, 648-655.	1.8	1
82	Understanding the role of dye in colorful thermoplastic film under visible light. Journal of Polymer Research, 2020, 27, 1.	2.4	1
83	Biopolymeric Materials Used as Nonviral Vectors: A Review. Polysaccharides, 2021, 2, 100-109.	4.8	1
84	Insights into the Antimicrobial Activity of Hydrated Cobaltmolybdate Doped with Copper. Molecules, 2021, 26, 1267.	3.8	1
85	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, 21.	0.3	1
86	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
87	Sorption of Bright Yellow Dyes by Filter Papers. Materials Science Forum, 0, 869, 735-739.	0.3	0
88	Changes in Molecular Weight of Poly(styrenesulfonate) Initiated by Thioxanthone: Photolysis and Photo-Oxidation. Materials Science Forum, 2016, 869, 346-349.	0.3	0
89	Assessment of the Photocatalytic Efficiency of TiO ₂ in the Presence of Sulphate. Materials Science Forum, 0, 930, 589-593.	0.3	0
90	Photo-Oxidation of Tetracycline Adsorbed in Clay and in Aqueous Suspension. Materials Science Forum, 2018, 930, 552-555.	0.3	0

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91	Absorption Evaluation of Water in Panels from Elephant Grass with <i>Eucalyptus</i> sp. Leaves. Materials Science Forum, 2018, 930, 207-211.	0.3	0
92	Hybrid Pigments from Bixin Dye and Inorganic Matrices. Environmental Sciences Proceedings, 2021, 6, .	0.3	0
93	Investiga��o do potencial do talo e da palha da carna��ba para utiliza��o como biocombust��vel. Revista Materia, 2019, 24, .	0.2	0