

Angelica Marquetotti Salcedo Vieira

List of Publications by Year in descending order

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79
papers

2,162
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236833

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1969
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#	ARTICLE	IF	CITATIONS
1	Hybrid treatment of coagulation/flocculation process followed by ultrafiltration in TiO ₂ -modified membranes to improve the removal of reactive black 5 dye. <i>Science of the Total Environment</i> , 2019, 664, 222-229.	3.9	155
2	Removal of tartrazine from aqueous solutions using adsorbents based on activated carbon and <i>Moringa oleifera</i> seeds. <i>Journal of Cleaner Production</i> , 2018, 171, 85-97.	4.6	131
3	Protein fractionation of seeds of <i>Moringa oleifera</i> lam and its application in superficial water treatment. <i>Separation and Purification Technology</i> , 2017, 180, 114-124.	3.9	126
4	Diclofenac removal from water by adsorption on <i>Moringa oleifera</i> pods and activated carbon: Mechanism, kinetic and equilibrium study. <i>Journal of Cleaner Production</i> , 2019, 219, 809-817.	4.6	107
5	Study of the Effect of Saline Solution on the Extraction of the <i>Moringa oleifera</i> Seed's Active Component for Water Treatment. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 409-415.	1.1	103
6	Performance of a coagulation-ultrafiltration hybrid process for water supply treatment. <i>Chemical Engineering Journal</i> , 2011, 166, 483-489.	6.6	98
7	Coagulation-flocculation process with ultrafiltered saline extract of <i>Moringa oleifera</i> for the treatment of surface water. <i>Chemical Engineering Journal</i> , 2015, 276, 166-173.	6.6	91
8	Green synthesis of copper oxide nanoparticles using <i>Punica granatum</i> leaf extract applied to the removal of methylene blue. <i>Materials Letters</i> , 2019, 257, 126685.	1.3	89
9	Use of <i>Moringa oleifera</i> Seed as a Natural Adsorbent for Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2010, 206, 273-281.	1.1	82
10	Surface modification of a polyethersulfone microfiltration membrane with graphene oxide for reactive dyes removal. <i>Applied Surface Science</i> , 2019, 486, 499-507.	3.1	77
11	Advanced graphene oxide-based membranes as a potential alternative for dyes removal: A review. <i>Science of the Total Environment</i> , 2021, 789, 147957.	3.9	74
12	Development of a magnetic coagulant based on <i>Moringa oleifera</i> seed extract for water treatment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7692-7700.	2.7	64
13	A review of <i>Moringa oleifera</i> seeds in water treatment: Trends and future challenges. <i>Chemical Engineering Research and Design</i> , 2021, 147, 405-420.	2.7	62
14	Functionalization of membrane surface by layer-by-layer self-assembly method for dyes removal. <i>Chemical Engineering Research and Design</i> , 2020, 134, 140-148.	2.7	45
15	Performance of a hybrid coagulation/flocculation process followed by modified microfiltration membranes for the removal of solophenyl blue dye. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 168, 108577.	1.8	40
16	Adsorption of Safranin-O dye by copper oxide nanoparticles synthesized from <i>Punica granatum</i> leaf extract. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 3047-3063.	1.2	38
17	Environmentally friendly biosorbents (husks, pods and seeds) from <i>Moringa oleifera</i> for Pb(II) removal from contaminated water. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3145-3155.	1.2	36
18	β-Glucosidase immobilized and stabilized on agarose matrix functionalized with distinct reactive groups. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 69, 47-53.	1.8	35

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19	Immobilization of glucoamylase: Chemical modification of the enzyme surface followed by covalent attachment on highly activated glyoxyl-agarose supports. <i>Process Biochemistry</i> , 2011, 46, 409-412.	1.8	35
20	Synthesis and Impregnation of Copper Oxide Nanoparticles on Activated Carbon through Green Synthesis for Water Pollutant Removal. <i>Materials Research</i> , 2018, 21, .	0.6	35
21	Application of activated carbon functionalized with graphene oxide for efficient removal of COVID-19 treatment-related pharmaceuticals from water. <i>Chemosphere</i> , 2022, 289, 133213.	4.2	33
22	Ultrafiltration Combined with Coagulation/Flocculation/Sedimentation Using <i>Moringa oleifera</i> as Coagulant to Treat Dairy Industry Wastewater. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	28
23	<i>Moringa oleifera</i> seed extracts as promising natural thickening agents for food industry: Study of the thickening action in yogurt production. <i>LWT - Food Science and Technology</i> , 2018, 97, 39-44.	2.5	28
24	Application of magnetic coagulant based on fractionated protein of <i>Moringa oleifera</i> Lam. seeds for aqueous solutions treatment containing synthetic dyes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12192-12201.	2.7	28
25	Magnetic coagulant based on <i>Moringa oleifera</i> seeds extract and super paramagnetic nanoparticles: optimization of operational conditions and reuse evaluation. , 0, 106, 226-237.		28
26	Modified <i>Moringa oleifera</i> Lam. Seed husks as low-cost biosorbent for atrazine removal. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1092-1103.	1.2	27
27	Membrane surface functionalization by the deposition of polyvinyl alcohol and graphene oxide for dyes removal and treatment of a simulated wastewater. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 170, 108725.	1.8	26
28	Improvement of the coagulation/flocculation process using a combination of <i>Moringa oleifera</i> Lam with anionic polymer in water treatment. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1092-1103.	1.2	26
29	Fluoride Removal from Water Using Combined <i>Moringa oleifera</i> /Ultrafiltration Process. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 6083-6093.	1.1	21
30	Protein fractionation of <i>Moringa oleifera</i> Lam. seeds and functionalization with magnetic particles for the treatment of reactive black 5 solution. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2309-2317.	0.9	21
31	Investigation of <i>Citrus reticulata</i> peels as an efficient and low-cost adsorbent for the removal of safranin orange dye. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 4315-4329.	1.2	21
32	Hybrid process of coagulation/flocculation with <i>Moringa oleifera</i> followed by ultrafiltration to remove <i>Microcystis</i> sp. cells from water supply. <i>Procedia Engineering</i> , 2012, 42, 865-872.	1.2	20
33	Activated carbon of Babassu coconut impregnated with copper nanoparticles by green synthesis for the removal of nitrate in aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1994-2003.	1.2	20
34	Antioxidant and rheological properties of guava jam with added concentrated grape juice. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 146-152.	1.7	18
35	Removal of excess fluoride from groundwater using natural coagulant <i>Moringa oleifera</i> Lam and microfiltration. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 37-45.	0.9	18
36	Effects of Triton X-100 and PEG on the Catalytic Properties and Thermal Stability of Lipase from Free and Immobilized on Glyoxyl-Agarose. <i>The Open Biochemistry Journal</i> , 2017, 11, 66-76.	0.3	18

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37	Bisfenol A adsorption using a low-cost adsorbent prepared from residues of babassu coconut peels. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2372-2384.	1.2	17
38	Low-cost biosorbent based on <i>Moringa oleifera</i> residues for herbicide atrazine removal in a fixed-bed column. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1468-1478.	0.9	16
39	Application of graphene nanosheet oxide for atrazine adsorption in aqueous solution: synthesis, material characterization, and comprehension of the adsorption mechanism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5731-5741.	2.7	15
40	Application of Hybrid Process of Coagulation/Flocculation and Membrane Filtration for the Removal of Protozoan Parasites from Water. <i>Procedia Engineering</i> , 2012, 42, 148-160.	1.2	13
41	Extraction and phase behaviour of <i>Moringa oleifera</i> seed oil using compressed propane. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 2195-2201.	0.9	13
42	Biopolymer extracted from <i>Moringa oleifera</i> Lam. in conjunction with graphene oxide to modify membrane surfaces. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3069-3080.	1.2	13
43	Trihalomethanes minimization in drinking water by coagulation/flocculation/sedimentation with natural coagulant <i>Moringa oleifera</i> Lam and activated carbon filtration. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1277-1284.	0.9	12
44	Investigation of <i>Moringa oleifera</i> seeds as effective and low-cost adsorbent to remove yellow dye tartrazine in fixed-bed column. <i>Separation Science and Technology</i> , 2020, 55, 13-25.	1.3	12
45	Efficient performance of copper oxide nanoparticles synthesized with pomegranate leaf extract for neutral red dye adsorption. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, .	1.3	11
46	Mathematical modelling applied to the rate-limiting mass transfer step determination of a herbicide biosorption onto fixed-bed columns. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 638-648.	1.2	10
47	Hydrogels produced from natural polymers: a review on its use and employment in water treatment. <i>Brazilian Journal of Chemical Engineering</i> , 2023, 40, 23-38.	0.7	10
48	Development of an activated carbon impregnation process with iron oxide nanoparticles by green synthesis for diclofenac adsorption. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6088-6102.	2.7	9
49	Graphene oxide functionalized with cobalt ferrites applied to the removal of bisphenol A: ionic study, reuse capacity and desorption kinetics. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 1388-1404.	1.2	9
50	Yogurt production added ultrafiltered seed extract of <i>Moringa oleifera</i> Lam.. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 37, 102159.	1.5	9
51	Investigation of two new low-cost adsorbents functionalized with magnetic nanoparticles for the efficient removal of triclosan and a synthetic mixture. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46813-46829.	2.7	9
52	Assessment of quinoxifen phototransformation pathways by liquid chromatography coupled to accurate mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2981-2991.	1.9	8
53	Analysis of the influence of natural adsorbent functionalization (<i>Moringa oleifera</i>) for Pb(II) removal from contaminated water. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13318.	1.3	8
54	Deposition of graphene nanoparticles associated with tannic acid in microfiltration membrane for removal of food colouring. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 351-357.	1.2	7

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55	Discolouration of contaminated water with textile dye through a combined coagulation/flocculation and membrane separation process with different natural coagulants extracted from <i>Moringa oleifera</i> Lam. seeds. Canadian Journal of Chemical Engineering, 2021, 99, 1976-1983.	0.9	6
56	PREPARATION OF <i>Moringa oleifera</i> SEEDS AS COAGULANT IN WATER TREATMENT. Environmental Engineering and Management Journal, 2018, 17, 1123-1129.	0.2	6
57	Optimization of process conditions in water treatment through coagulation diagrams, using <i>Moringa oleifera</i> Lam and aluminium sulphate. Desalination and Water Treatment, 2015, 56, 1787-1792.	1.0	5
58	Groundwater nitrate contamination: Assessment and treatment using <i>Moringa oleifera</i> Lam. seed extract and activated carbon filtration. Canadian Journal of Chemical Engineering, 2016, 94, 725-732.	0.9	5
59	Hybrid gravitational microfiltration system for drinking water purification. Revista Ambiente & Água, 2017, 12, 168.	0.1	5
60	Water decontamination containing nitrate using biosorption with <i>Moringa oleifera</i> in dynamic mode. Environmental Science and Pollution Research, 2018, 25, 21544-21554.	2.7	5
61	The use of <i>Moringa oleifera</i> seeds and their fractionated proteins for <i>Microcystis aeruginosa</i> and microcystin-LR removal from water. Canadian Journal of Chemical Engineering, 2019, 97, 1307-1316.	0.9	5
62	Optimization of the extraction of antioxidants from <i>Moringa</i> leaves: A comparative study between ultrasound and ultrasonic homogenizer-assisted extractions. Journal of Food Processing and Preservation, 2021, 45, e15512.	0.9	4
63	Improvement of adsorption conditions of different parts of <i>Moringa oleifera</i> on the perception of diuron removal from contaminated waters. , 0, 171, 331-343.		4
64	A simple and effective method for <i>Escherichia coli</i> inactivation in aqueous medium using natural based superparamagnetic coagulant. Environmental Progress and Sustainable Energy, 2021, 40, e13503.	1.3	2
65	Layer-by-layer self-assembly of polyethersulphone microfiltration membranes for dye removal and flux recovery improvement. Canadian Journal of Chemical Engineering, 2022, 100, 1920-1929.	0.9	2
66	Low-cost adsorbent prepared from soybean hulls residues as potential alternative for cationic dyes removal. Journal of Dispersion Science and Technology, 2023, 44, 2034-2044.	1.3	2
67	Application of Hybrid Process of Coagulation/Flocculation and Membrane Filtration for the Removal of Protozoan Parasites from Water. , 0, , .		1
68	Evaluation of the groundwater quality and hydrogeochemistry characterization using multivariate statistics methods: case study of a hydrographic basin in Brazil. , 0, 161, 203-215.		1
69	Effects of <i>Moringa oleifera</i> Lam. leaves extract on physicochemical, fatty acids profile, oxidative stability, microbiological and sensory properties of chicken mortadella. Journal of Food Processing and Preservation, 0, , .	0.9	1
70	Produção de filmes biodegradáveis a partir de resíduos de frutas e vegetais: uma revisão atualizada. Research, Society and Development, 2022, 11, e54311528544.	0.0	1
71	Application of Hybrid Process of Coagulation/Flocculation and Membrane Filtration to Water Treatment. , 0, , .		0
72	Development and the physical, chemical, microbiological and sensory analyses of red pepper seasoned with parmesan cheese - doi: 10.4025/actascitechnol.v35i3.12794. Acta Scientiarum - Technology, 2013, 35, .	0.4	0

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73	Desenvolvimento de requeijão com extrato aquoso de semente de Moringa oleifera. Research, Society and Development, 2021, 10, e54010414381.	0.0	0
74	AVALIAÇÃO DO POTENCIAL DA SEMENTE DE MORINGA OLEIFERA PARA OBTENÇÃO DE COAGULANTE E ÓLEO UTILIZANDO ULTRA-SOM. , 0, , .		0
75	Aditivos alimentares naturais emergentes: Uma revisão. , 2020, , 46-84.		0
76	Aditivos alimentares naturais emergentes: Uma revisão. , 2020, , 46-84.		0
77	Valorization of soybean oil residue through advanced technology of graphene oxide modified membranes for tocopherol recovery. Canadian Journal of Chemical Engineering, 2022, 100, 3736-3749.	0.9	0
78	Modification of natural zeolite clinoptilolite and ITS application in the adsorption of herbicides. Environmental Technology (United Kingdom), 2023, 44, 3949-3964.	1.2	0
79	Removal of copper ions from alembic <i>cacheira</i> using agro-industrial residues as biosorbents. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 0, , 1-15.	1.1	0