Selvaraju Sivamani

List of Publications by Year
in descending order

57	1,192	516710	414414
papers	citations	16	32
		h-index	g-index

59	59	59	1116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biopolymers and composites: Properties, characterization and their applications in food, medical and pharmaceutical industries. Journal of Environmental Chemical Engineering, 2021, 9, 105322.	6.7	134
2	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. Bioresource Technology, 2020, 297, 122452.	9.6	120
3	Efficient mercury removal from wastewater by pistachio wood wastes-derived activated carbon prepared by chemical activation using a novel activating agent. Journal of Environmental Management, 2018, 223, 1001-1009.	7.8	110
4	Pollutants inducing epigenetic changes and diseases. Environmental Chemistry Letters, 2020, 18, 325-343.	16.2	81
5	Ecofriendly biopolymers and composites: Preparation and their applications in water-treatment. Biotechnology Advances, 2021, 52, 107815.	11.7	72
6	Adsorption property of Br-PADAP-impregnated multiwall carbon nanotubes towards uranium and its performance in the selective separation and determination of uranium in different environmental samples. Ecotoxicology and Environmental Safety, 2018, 150, 136-143.	6.0	62
7	Activated carbon from wood wastes for the removal of uranium and thorium ions through modification with mineral acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 607, 125516.	4.7	54
8	Evaluation of the potential of cassava-based residues for biofuels production. Reviews in Environmental Science and Biotechnology, 2018, 17, 553-570.	8.1	47
9	Artificial neural network–genetic algorithm-based optimization of biodiesel production from <i>Simarouba glauca</i>. Biofuels, 2019, 10, 393-401.	2.4	45
10	Bio-degradation of Bisphenol A by Pseudomonas aeruginosa PAb1 isolated from effluent of thermal paper industry: Kinetic modeling and process optimization. Journal of Radiation Research and Applied Sciences, 2018, 11, 56-65.	1.2	41
11	Fixed-bed adsorption of atrazine onto microwave irradiated Aegle marmelos Correa fruit shell: Statistical optimization, process design and breakthrough modeling. Journal of Molecular Liquids, 2017, 241, 823-830.	4.9	39
12	Adsorption properties of Danthron-impregnated carbon nanotubes and their usage for solid phase extraction of heavy metal ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128528.	4.7	34
13	Statistical optimization studies on adsorption of ibuprofen onto Albizialebbeck seed pods activated carbon prepared using microwave irradiation. Materials Today: Proceedings, 2018, 5, 7264-7274.	1.8	33
14	Optimization of bioethanol production from cassava peel using statistical experimental design. Environmental Progress and Sustainable Energy, 2015, 34, 567-574.	2.3	27
15	Process design and optimization of bioethanol production from cassava bagasse using statistical design and genetic algorithm. Preparative Biochemistry and Biotechnology, 2018, 48, 834-841.	1.9	25
16	Optimization and extraction of pharmaceutical micro-pollutant - norfloxacin using emulsion liquid membranes. , 0, 156, 238-244.		23
17	Fixed-Bed Adsorption of Ranitidine Hydrochloride Onto Microwave Assisted–Activated Aegle marmelos Correa Fruit Shell: Statistical Optimization and Breakthrough Modelling. Arabian Journal for Science and Engineering, 2018, 43, 2205-2215.	3.0	21
18	Bioconversion of cassava stem to ethanol: oxalic acid pretreatment and co-culture fermentation. Biofuels, 2018, 9, 559-566.	2.4	17

#	Article	IF	Citations
19	Preparation and characterization of cassava stem biochar for mixed reactive dyes removal from simulated effluent. , 0, 189, 440-451.		16
20	Eco-Friendly Acetaminophen Sequestration Using Waste Cotton Seeds: Equilibrium, Optimization and Validation Studies. Journal of Water Chemistry and Technology, 2018, 40, 334-342.	0.6	15
21	Back-propagation neural network: Box–Behnken design modelling for optimization of copper adsorption on orange zest biochar. International Journal of Environmental Science and Technology, 2022, 19, 4321-4336.	3.5	15
22	Graphene Family Materials for the Removal of Pesticides from Water. , 2019, , 309-327.		14
23	<i>Manihot esculenta</i> Peel Powder: Effective Adsorbent for Removal of Various Textile Dyes from Aqueous Solutions. Journal of Testing and Evaluation, 2018, 46, 2299-2310.	0.7	11
24	Comparative modeling of fluoride biosorption onto waste Gossypium hirsutum seed microwave-bichar using response surface methodology and artificial neural networks. , 2017, , .		10
25	Recent Updates on Heavy Metal Remediation Using Date Stones (Phoenix dactylifera L.) – Date Fruit Processing Industry Waste. Sustainable Agriculture Reviews, 2019, , 193-206.	1.1	10
26	Regression-BPNN modelling of surfactant concentration effects in electroless Ni B coating and optimization using genetic algorithm. Surface and Coatings Technology, 2021, 409, 126878.	4.8	10
27	Statistical Modeling And Optimization Of Pretreatment For Fermentable Sugars Production From Cotton Gin Waste. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 400-405.	2.3	9
28	Characterization of combined organic–inorganic acid-pretreated cassava stem. International Journal of Environmental Science and Technology, 2017, 14, 1291-1296.	3.5	8
29	An Insight into Fungal Cellulases and Their Industrial Applications. Fungal Biology, 2019, , 19-35.	0.6	8
30	Response surface optimization of acid pretreatment of cassava stem for bioethanol production. Environmental Progress and Sustainable Energy, 2020, 39, e13335.	2.3	8
31	Batch and column studies for adsorption of naphthalene from its aqueous solution using nanochitosan/sodium alginate composite. Polymer Bulletin, 2022, 79, 8695-8715.	3.3	8
32	Biosorption Studies for the Removal of Malachite Green from its Aqueous Solution by Activated Carbon Prepared from Cassava Peel. E-Journal of Chemistry, 2011, 8, S61-S66.	0.5	6
33	Investigation on the application of <i>Musa acuminata</i> leaf methanol extract on cellulose fabric. Journal of Natural Fibers, 2020, 17, 132-139.	3.1	6
34	Modelling and optimisation of hardness in citrate stabilised electroless nickel boron (ENi-B) coatings using back propagation neural network – Box Behnken design and simulated annealing – genetic algorithm. Transactions of the Institute of Metal Finishing, 2021, 99, 253-264.	1.3	6
35	Treatment of Hot Wash Liquor using Fly Ash. Tropical Aquatic and Soil Pollution, 2021, 2, 27-33.	4.8	5
36	Bacteriocin Produced from <i>Lactobacillus plantarum</i> ATM11: Kinetic and Thermodynamic Studies. International Journal of Food Engineering, 2016, 12, 501-505.	1.5	4

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37	Exploring the potential of Eucalyptus citriodora biochar against direct red 31 dye and its phytotoxicity assessment. Biomass Conversion and Biorefinery, 0, , 1.	4.6	4
38	A Comprehensive Review on Microbial Technology for Biogas Production. Clean Energy Production Technologies, 2021, , 53-78.	0.5	4
39	Optimization of copper(II) biosorption onto waste Gossypium hirsutum seed microwave-biochar using RSM. AIP Conference Proceedings, 2020, , .	0.4	4
40	Response surface analysis and optimization of inulin extraction from garlic. Biomass Conversion and Biorefinery, 2023, 13, 10845-10851.	4.6	3
41	Stoichiometric Analysis of Biogas Production from Industrial Residues. Clean Energy Production Technologies, 2020, , 141-153.	0.5	3
42	Optimization and characterization of pectin recovered from Persea americana peel using statistical and non-statistical techniques. Biomass Conversion and Biorefinery, 0, , 1.	4.6	2
43	Numerical analysis and implementation of artificial neural network algorithm for nonlinear function. International Journal of Information Technology (Singapore), 2021, 13, 2059.	2.7	2
44	In situ synthesis of mesostructured iron oxide nanoparticles embedded in L. camara: adsorption insights and modeling studies. Biomass Conversion and Biorefinery, 2023, 13, 7827-7838.	4.6	2
45	Heterogeneous Catalyzed Synthesis of Biodiesel from Crude Sunflower Oil. Journal of the Nigerian Society of Physical Sciences, 0, , 16-19.	0.0	2
46	Statistical Modeling and Optimization of Bioethanol Production from Parthenium hysterophorus. Environmental Science and Engineering, 2017, , 253-265.	0.2	1
47	Biosurfactant assisted liquid-membrane extraction of methyl-orange from aqueous solutions. AIP Conference Proceedings, 2020, , .	0.4	1
48	Process Modelling and Simulation of Biodiesel Synthesis Reaction for Non-edible Yellow Oleander (Yellow Bells) Oil and Waste Chicken Fat. Clean Energy Production Technologies, 2021, , 129-160.	0.5	1
49	Saccharification and Single Step Fermentation of Cassava Peel by Mixed Culture of Saccharomycopsis fibuligera NCIM 3161 and Zymomonas mobilis MTCC 92. American Journal of Biomass and Bioenergy, 0, , .	0.0	1
50	Modelling and optimization of total polyphenols extraction from Curcuma caesia. AIP Conference Proceedings, 2020, , .	0.4	1
51	Influence of Processing Variables on Tensile Strength and Water Absorption of Natural Fibers Hybrid Composites. Journal of Natural Fibers, 2022, 19, 10846-10857.	3.1	1
52	Batch adsorption studies for chromium removal. , 2008, 50, 11-6.		1
53	Statistical experimental design and analysis of mixed natural-synthetic coagulants for the reduction of total suspended solids and turbidity in sewage wastewater treatment. Biomass Conversion and Biorefinery, 2024, 14, 4583-4590.	4.6	1
54	Effect of Musa Acumianta SAP on Thermal Comfort Properties of Cotton Finished Fabrics. Journal of Natural Fibers, 0, , 1-9.	3.1	0

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55	Musa Acuminata Leaves Extract Impedes Bacterial Growth and Ultraviolet Protection in Cotton Fabric. Journal of Natural Fibers, 0, , 1-10.	3.1	0
56	Kinetics and thermodynamics of thermal inactivation of partially purified bacteriocin from Pseudomonas aeroginosa. AIP Conference Proceedings, 2020, , .	0.4	0
57	Effect of Musa acuminata SAP on Whiteness Index and Physical Properties of Cotton Finished Fabrics. Journal of Natural Fibers, 0, , 1-14.	3.1	0