

Selvaraju Sivamani

List of Publications by Year in descending order

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57
papers

1,192
citations

516710

16
h-index

414414

32
g-index

59
all docs

59
docs citations

59
times ranked

1116
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical experimental design and analysis of mixed natural-synthetic coagulants for the reduction of total suspended solids and turbidity in sewage wastewater treatment. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4583-4590.	4.6	1
2	In situ synthesis of mesostructured iron oxide nanoparticles embedded in <i>L. camara</i> : adsorption insights and modeling studies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 7827-7838.	4.6	2
3	Response surface analysis and optimization of inulin extraction from garlic. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10845-10851.	4.6	3
4	Back-propagation neural network: Box-Behnken design modelling for optimization of copper adsorption on orange zest biochar. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4321-4336.	3.5	15
5	Batch and column studies for adsorption of naphthalene from its aqueous solution using nanochitosan/sodium alginate composite. <i>Polymer Bulletin</i> , 2022, 79, 8695-8715.	3.3	8
6	Influence of Processing Variables on Tensile Strength and Water Absorption of Natural Fibers Hybrid Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 10846-10857.	3.1	1
7	Adsorption properties of Danthron-impregnated carbon nanotubes and their usage for solid phase extraction of heavy metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128528.	4.7	34
8	Process Modelling and Simulation of Biodiesel Synthesis Reaction for Non-edible Yellow Oleander (Yellow Bells) Oil and Waste Chicken Fat. <i>Clean Energy Production Technologies</i> , 2021, , 129-160.	0.5	1
9	Regression-BPNN modelling of surfactant concentration effects in electroless Ni B coating and optimization using genetic algorithm. <i>Surface and Coatings Technology</i> , 2021, 409, 126878.	4.8	10
10	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. <i>Transactions of the Institute of Metal Finishing</i> , 2021, 99, 253-264.	1.3	6
11	Numerical analysis and implementation of artificial neural network algorithm for nonlinear function. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 2059.	2.7	2
12	Biopolymers and composites: Properties, characterization and their applications in food, medical and pharmaceutical industries. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105322.	6.7	134
13	Ecofriendly biopolymers and composites: Preparation and their applications in water-treatment. <i>Biotechnology Advances</i> , 2021, 52, 107815.	11.7	72
14	A Comprehensive Review on Microbial Technology for Biogas Production. <i>Clean Energy Production Technologies</i> , 2021, , 53-78.	0.5	4
15	Treatment of Hot Wash Liquor using Fly Ash. <i>Tropical Aquatic and Soil Pollution</i> , 2021, 2, 27-33.	4.8	5
16	Investigation on the application of <i>Musa acuminata</i> leaf methanol extract on cellulose fabric. <i>Journal of Natural Fibers</i> , 2020, 17, 132-139.	3.1	6
17	Response surface optimization of acid pretreatment of cassava stem for bioethanol production. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13335.	2.3	8
18	Pollutants inducing epigenetic changes and diseases. <i>Environmental Chemistry Letters</i> , 2020, 18, 325-343.	16.2	81

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19	Use of chicken feather and eggshell to synthesize a novel magnetized activated carbon for sorption of heavy metal ions. <i>Bioresource Technology</i> , 2020, 297, 122452.	9.6	120
20	Activated carbon from wood wastes for the removal of uranium and thorium ions through modification with mineral acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125516.	4.7	54
21	Biosurfactant assisted liquid-membrane extraction of methyl-orange from aqueous solutions. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
22	Stoichiometric Analysis of Biogas Production from Industrial Residues. <i>Clean Energy Production Technologies</i> , 2020, , 141-153.	0.5	3
23	Optimization of copper(II) biosorption onto waste <i>Gossypium hirsutum</i> seed microwave-biochar using RSM. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	4
24	Kinetics and thermodynamics of thermal inactivation of partially purified bacteriocin from <i>Pseudomonas aeruginosa</i> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
25	Modelling and optimization of total polyphenols extraction from <i>Curcuma caesia</i> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
26	Graphene Family Materials for the Removal of Pesticides from Water. , 2019, , 309-327.		14
27	Recent Updates on Heavy Metal Remediation Using Date Stones (<i>Phoenix dactylifera</i> L.) â€“ Date Fruit Processing Industry Waste. <i>Sustainable Agriculture Reviews</i> , 2019, , 193-206.	1.1	10
28	An Insight into Fungal Cellulases and Their Industrial Applications. <i>Fungal Biology</i> , 2019, , 19-35.	0.6	8
29	Artificial neural networkâ€“genetic algorithm-based optimization of biodiesel production from <i>Simarouba glauca</i> . <i>Biofuels</i> , 2019, 10, 393-401.	2.4	45
30	Statistical optimization studies on adsorption of ibuprofen onto <i>Albizia lebeck</i> seed pods activated carbon prepared using microwave irradiation. <i>Materials Today: Proceedings</i> , 2018, 5, 7264-7274.	1.8	33
31	Bioconversion of cassava stem to ethanol: oxalic acid pretreatment and co-culture fermentation. <i>Biofuels</i> , 2018, 9, 559-566.	2.4	17
32	Statistical Modeling And Optimization Of Pretreatment For Fermentable Sugars Production From Cotton Gin Waste. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 400-405.	2.3	9
33	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. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 136-143.	6.0	62
34	Fixed-Bed Adsorption of Ranitidine Hydrochloride Onto Microwave Assistedâ€“Activated <i>Aegle marmelos</i> Correa Fruit Shell: Statistical Optimization and Breakthrough Modelling. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2205-2215.	3.0	21
35	Bio-degradation of Bisphenol A by <i>Pseudomonas aeruginosa</i> PAb1 isolated from effluent of thermal paper industry: Kinetic modeling and process optimization. <i>Journal of Radiation Research and Applied Sciences</i> , 2018, 11, 56-65.	1.2	41
36	Eco-Friendly Acetaminophen Sequestration Using Waste Cotton Seeds: Equilibrium, Optimization and Validation Studies. <i>Journal of Water Chemistry and Technology</i> , 2018, 40, 334-342.	0.6	15

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37	Process design and optimization of bioethanol production from cassava bagasse using statistical design and genetic algorithm. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 834-841.	1.9	25
38	Evaluation of the potential of cassava-based residues for biofuels production. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 553-570.	8.1	47
39	Efficient mercury removal from wastewater by pistachio wood wastes-derived activated carbon prepared by chemical activation using a novel activating agent. <i>Journal of Environmental Management</i> , 2018, 223, 1001-1009.	7.8	110
40	<i>Manihot esculenta</i> Peel Powder: Effective Adsorbent for Removal of Various Textile Dyes from Aqueous Solutions. <i>Journal of Testing and Evaluation</i> , 2018, 46, 2299-2310.	0.7	11
41	Characterization of combined organic-inorganic acid-pretreated cassava stem. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1291-1296.	3.5	8
42	Fixed-bed adsorption of atrazine onto microwave irradiated <i>Aegle marmelos</i> Correa fruit shell: Statistical optimization, process design and breakthrough modeling. <i>Journal of Molecular Liquids</i> , 2017, 241, 823-830.	4.9	39
43	Statistical Modeling and Optimization of Bioethanol Production from <i>Parthenium hysterophorus</i> . <i>Environmental Science and Engineering</i> , 2017, , 253-265.	0.2	1
44	Comparative modeling of fluoride biosorption onto waste <i>Gossypium hirsutum</i> seed microwave-biochar using response surface methodology and artificial neural networks. , 2017, , .		10
45	Bacteriocin Produced from <i>Lactobacillus plantarum</i> ATM11: Kinetic and Thermodynamic Studies. <i>International Journal of Food Engineering</i> , 2016, 12, 501-505.	1.5	4
46	Optimization of bioethanol production from cassava peel using statistical experimental design. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 567-574.	2.3	27
47	Biosorption Studies for the Removal of Malachite Green from its Aqueous Solution by Activated Carbon Prepared from Cassava Peel. <i>E-Journal of Chemistry</i> , 2011, 8, S61-S66.	0.5	6
48	Batch adsorption studies for chromium removal. , 2008, 50, 11-6.		1
49	Optimization and characterization of pectin recovered from <i>Persea americana</i> peel using statistical and non-statistical techniques. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	2
50	Exploring the potential of <i>Eucalyptus citriodora</i> biochar against direct red 31 dye and its phytotoxicity assessment. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	4
51	Effect of <i>Musa Acumianta</i> SAP on Thermal Comfort Properties of Cotton Finished Fabrics. <i>Journal of Natural Fibers</i> , 0, , 1-9.	3.1	0
52	Optimization and extraction of pharmaceutical micro-pollutant - norfloxacin using emulsion liquid membranes. , 0, 156, 238-244.		23
53	Preparation and characterization of cassava stem biochar for mixed reactive dyes removal from simulated effluent. , 0, 189, 440-451.		16
54	Saccharification and Single Step Fermentation of Cassava Peel by Mixed Culture of <i>Saccharomycopsis fibuligera</i> NCIM 3161 and <i>Zymomonas mobilis</i> MTCC 92. <i>American Journal of Biomass and Bioenergy</i> , 0, , .	0.0	1

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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	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
57	Heterogeneous Catalyzed Synthesis of Biodiesel from Crude Sunflower Oil. Journal of the Nigerian Society of Physical Sciences, 0, , 16-19.	0.0	2