

Natesan Sivarajasekar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1687073/publications.pdf>

Version: 2024-02-01

52
papers

1,901
citations

331259

21
h-index

276539

41
g-index

52
all docs

52
docs citations

52
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Response surface analysis and optimization of inulin extraction from garlic. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10845-10851.	2.9	3
2	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.	1.8	15
3	Biosorption potential of Phoenix dactylifera coir wastes for toxic hexavalent chromium sequestration. <i>Chemosphere</i> , 2021, 268, 128809.	4.2	54
4	Enhanced ultrasonic assisted biodiesel production from meat industry waste (pig tallow) using green copper oxide nanocatalyst: Comparison of response surface and neural network modelling. <i>Renewable Energy</i> , 2021, 164, 897-907.	4.3	54
5	Cost-effective composite prepared from sewage sludge waste and cement kiln dust as permeable reactive barrier to remediate simulated groundwater polluted with tetracycline. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105194.	3.3	16
6	Biopolymers and composites: Properties, characterization and their applications in food, medical and pharmaceutical industries. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105322.	3.3	134
7	Adsorptive removal of noxious atrazine using graphene oxide nanosheets: Insights to process optimization, equilibrium, kinetics, and density functional theory calculations. <i>Environmental Research</i> , 2021, 200, 111428.	3.7	35
8	Nano-activated carbon derived from date palm coir waste for efficient sequestration of noxious 2,4-dichlorophenoxyacetic acid herbicide. <i>Chemosphere</i> , 2021, 282, 131103.	4.2	37
9	Ecofriendly biopolymers and composites: Preparation and their applications in water-treatment. <i>Biotechnology Advances</i> , 2021, 52, 107815.	6.0	72
10	A review of the therapeutic and biological effects of edible and wild mushrooms. <i>Bioengineered</i> , 2021, 12, 11239-11268.	1.4	43
11	Bio-Synthesized Silver Nanoparticles For Effective Photo-catalytic Degradation of Congo Red Dye in Aqueous Solutions: Optimization Studies Using Response Surface Methodology. <i>Analytical Chemistry Letters</i> , 2021, 11, 801-815.	0.4	4
12	Research Updates on Heavy Metal Phytoremediation: Enhancements, Efficient Post-harvesting Strategies and Economic Opportunities. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 191-222.	0.3	21
13	Pollutants inducing epigenetic changes and diseases. <i>Environmental Chemistry Letters</i> , 2020, 18, 325-343.	8.3	81
14	Effective adsorption of antidiabetic pharmaceutical (metformin) from aqueous medium using graphene oxide nanoparticles: Equilibrium and statistical modelling. <i>Journal of Molecular Liquids</i> , 2020, 301, 112426.	2.3	128
15	Process intensification and comparison of bioethanol production from food industry waste (potatoes) by ultrasonic assisted acid hydrolysis and enzymatic hydrolysis: Statistical modelling and optimization. <i>Biomass and Bioenergy</i> , 2020, 142, 105752.	2.9	41
16	Efficient removal of antidepressant Fluoxetine using graphene oxide/cellulose nanogel composite: Particle swarm algorithm based artificial neural network modelling and optimization. <i>Journal of Molecular Liquids</i> , 2020, 319, 114371.	2.3	26
17	Biosurfactant assisted liquid-membrane extraction of methyl-orange from aqueous solutions. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
18	Comparative and Equilibrium Studies on Anionic and Cationic Dyes Removal by Nano-Alumina-Doped Catechol Formaldehyde Composite. <i>Journal of Chemistry</i> , 2020, 2020, 1-15.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Saponin-Aided Reverse Micellar Extraction of Malachite Green Dye From Aqueous Solutions. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 89-97.	0.4	5
20	A Review on the Production of Biogas from Biological Sources. Springer Proceedings in Energy, 2020, , 1-12.	0.2	2
21	Biobutanol: Insight, Production and Challenges. Springer Proceedings in Energy, 2020, , 25-37.	0.2	6
22	An ensemble based model for the adsorptive removal of amoxicillin by microwave-biochar of waste cotton seeds. AIP Conference Proceedings, 2020, , .	0.3	2
23	Optimization of copper(II) biosorption onto waste Gossypium hirsutum seed microwave-biochar using RSM. AIP Conference Proceedings, 2020, , .	0.3	4
24	Kinetics and thermodynamics of thermal inactivation of partially purified bacteriocin from Pseudomonas aeruginosa. AIP Conference Proceedings, 2020, , .	0.3	0
25	Modelling and optimization of total polyphenols extraction from Curcuma caesia. AIP Conference Proceedings, 2020, , .	0.3	1
26	Biosorption of xenobiotic Reactive Black B onto metabolically inactive T. harzianum biomass: optimization and equilibrium studies. International Journal of Environmental Science and Technology, 2019, 16, 3625-3636.	1.8	16
27	Graphene Family Materials for the Removal of Pesticides from Water. , 2019, , 309-327.		14
28	Optimization of EDTA enriched phytoaccumulation of zinc by Ophiopogon japonicus: Comparison of Response Surface, Artificial Neural Network and Random Forest models. Bioresource Technology Reports, 2019, 7, 100265.	1.5	16
29	Recent Updates on Heavy Metal Remediation Using Date Stones (Phoenix dactylifera L.) â€œ Date Fruit Processing Industry Waste. Sustainable Agriculture Reviews, 2019, , 193-206.	0.6	10
30	Adsorption of Basic Magenta II onto H2SO4 activated immature Gossypium hirsutum seeds: Kinetics, isotherms, mass transfer, thermodynamics and process design. Arabian Journal of Chemistry, 2019, 12, 1322-1337.	2.3	53
31	Statistical optimization studies on adsorption of ibuprofen onto Albizialebeck seed pods activated carbon prepared using microwave irradiation. Materials Today: Proceedings, 2018, 5, 7264-7274.	0.9	33
32	Fixed-Bed Adsorption of Ranitidine Hydrochloride Onto Microwave Assistedâ€”Activated Aegle marmelos Correa Fruit Shell: Statistical Optimization and Breakthrough Modelling. Arabian Journal for Science and Engineering, 2018, 43, 2205-2215.	1.7	21
33	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.	0.7	41
34	Eco-Friendly Acetaminophen Sequestration Using Waste Cotton Seeds: Equilibrium, Optimization and Validation Studies. Journal of Water Chemistry and Technology, 2018, 40, 334-342.	0.2	15
35	Phytoremediation of heavy metals: mechanisms, methods and enhancements. Environmental Chemistry Letters, 2018, 16, 1339-1359.	8.3	394
36	Biosorption studies on waste cotton seed for cationic dyes sequestration: equilibrium and thermodynamics. Applied Water Science, 2017, 7, 1987-1995.	2.8	22

#	ARTICLE	IF	CITATIONS
37	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.	2.3	39
38	Ultrasound assisted pectic polysaccharide extraction and its characterization from waste heads of <i>Helianthus annuus</i> . <i>Carbohydrate Polymers</i> , 2017, 173, 707-713.	5.1	75
39	Ultrasound assisted citric acid mediated pectin extraction from industrial waste of <i>Musa balbisiana</i> . <i>Ultrasonics Sonochemistry</i> , 2017, 35, 204-209.	3.8	96
40	Comparative modeling of fluoride biosorption onto waste <i>Gossypium hirsutum</i> seed microwave-bi-char using response surface methodology and artificial neural networks. , 2017, , .		10
41	Studies on Drying Characteristics of Rhizomes of Ginger (<i>Zingiber officinale</i> Rosc). , 2016, , 59-65.		1
42	Cationic Dyes Sequestration from Aqueous Phase Using Biosurfactant Based Reverse Micelles. , 2016, , 67-74.		8
43	Biosorption of basic violet 10 onto activated <i>Gossypium hirsutum</i> seeds: Batch and fixed-bed column studies. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1610-1619.	1.7	27
44	Adsorption of basic red 9 on activated waste <i>Gossypium hirsutum</i> seeds: Process modeling, analysis and optimization using statistical design. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2699-2709.	2.9	58
45	Adsorption of basic red 9 onto activated carbon derived from immature cotton seeds: isotherm studies and error analysis. <i>Desalination and Water Treatment</i> , 2014, 52, 7743-7765.	1.0	53
46	Kinetic Modeling for Biosorption of Methylene Blue onto H ₃ PO ₄ Activated <i>Acacia arabica</i> . <i>Carbon Letters</i> , 2008, 9, 181-187.	3.3	11
47	<i>Hevea brasiliensis</i> - A Biosorbent for the Adsorption of Cu(II) from Aqueous Solutions. <i>Carbon Letters</i> , 2007, 8, 199-206.	3.3	11
48	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.	2.9	2
49	Optimization, equilibrium and kinetic studies on ibuprofen removal onto microwave assisted - activated <i>Aegle marmelos correa</i> fruit shell. , 0, 84, 48-58.		24
50	Optimization and extraction of pharmaceutical micro-pollutant - norfloxacin using emulsion liquid membranes. , 0, 156, 238-244.		23
51	Preparation and characterization of cassava stem biochar for mixed reactive dyes removal from simulated effluent. , 0, 189, 440-451.		16
52	Sub-critical water extraction of reducing sugars and phenolic compounds from date palm fruit. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	14