Papita Das

List of Publications by Year in descending order

207 papers	8,134 citations	61984 43 h-index	58581 82 g-index
214 all docs	214 docs citations	214 times ranked	7664 citing authors

#	Article	IF	Citations
1	Adsorption thermodynamics, kinetics and isosteric heat of adsorption of malachite green onto chemically modified rice husk. Desalination, 2011, 265, 159-168.	8.2	799
2	Adsorption of Crystal Violet from aqueous solution onto NaOH-modified rice husk. Carbohydrate Polymers, 2011, 86, 1533-1541.	10.2	466
3	Leaf extract mediated green synthesis of silver nanoparticles from widely available Indian plants: synthesis, characterization, antimicrobial property and toxicity analysis. Bioresources and Bioprocessing, 2014, 1, .	4.2	425
4	Antimicrobial potential of a lipopeptide biosurfactant derived from a marine Bacillus circulans. Journal of Applied Microbiology, 2008, 104, 1675-1684.	3.1	308
5	Sea shell powder as a new adsorbent to remove Basic Green 4 (Malachite Green) from aqueous solutions: Equilibrium, kinetic and thermodynamic studies. Chemical Engineering Journal, 2010, 164, 168-177.	12.7	305
6	Insight into adsorption equilibrium, kinetics and thermodynamics of Malachite Green onto clayey soil of Indian origin. Chemical Engineering Journal, 2010, 165, 874-882.	12.7	281
7	Batch and continuous (fixed-bed column) biosorption of crystal violet by Artocarpus heterophyllus (jackfruit) leaf powder. Colloids and Surfaces B: Biointerfaces, 2012, 92, 262-270.	5.0	183
8	Biosorption of Basic Green 4 from aqueous solution by Ananas comosus (pineapple) leaf powder. Colloids and Surfaces B: Biointerfaces, 2011, 84, 520-527.	5.0	171
9	Production of biodiesel from microalgae through biological carbon capture: a review. 3 Biotech, 2017, 7, 99.	2.2	163
10	Insight Into Adsorption Thermodynamics. , 0, , .		150
11	Modeling of microwave-assisted extraction of natural dye from seeds of Bixa orellana (Annatto) using response surface methodology (RSM) and artificial neural network (ANN). Industrial Crops and Products, 2013, 41, 165-171.	5.2	149
12	Extraction of natural dye from petals of Flame of forest (Butea monosperma) flower: Process optimization using response surface methodology (RSM). Dyes and Pigments, 2012, 94, 212-216.	3.7	128
13	Response surface optimization and artificial neural network modeling of microwave assisted natural dye extraction from pomegranate rind. Industrial Crops and Products, 2012, 37, 408-414.	5.2	124
14	Assessment on the Removal of Malachite Green Using Tamarind Fruit Shell as Biosorbent. Clean - Soil, Air, Water, 2010, 38, 437-445.	1.1	121
15	Biofabrication of iron oxide nanoparticles using manglicolous fungus Aspergillus niger BSC-1 and removal of Cr(VI) from aqueous solution. Chemical Engineering Journal, 2020, 385, 123790.	12.7	116
16	A Study of the Thermodynamics and Kinetics of Copper Adsorption Using Chemically Modified Rice Husk. Clean - Soil, Air, Water, 2009, 37, 704-711.	1.1	104
17	Ultrasound assisted mixed azo dye adsorption by chitosanâ€“graphene oxide nanocomposite. Chemical Engineering Research and Design, 2017, 117, 43-56.	5.6	99
18	Application of graphene oxide nanoplatelets for adsorption of Ibuprofen from aqueous solutions: Evaluation of process kinetics and thermodynamics. Chemical Engineering Research and Design, 2016, 101, 45-53.	5.6	98

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19	Optimization and modelling of synthetic azo dye wastewater treatment using Graphene oxide nanoplatelets: Characterization toxicity evaluation and optimization usingÂArtificial Neural Network. Ecotoxicology and Environmental Safety, 2015, 119, 47-57.	6.0	92
20	Synthesis of hybrid hydrogel nano-polymer composite using Graphene oxide, Chitosan and PVA and its application in waste water treatment. Environmental Technology and Innovation, 2020, 18, 100664.	6.1	91
21	Artificial neural network (ANN) modeling of adsorption of methylene blue by NaOH-modified rice husk in a fixed-bed column system. Environmental Science and Pollution Research, 2013, 20, 1050-1058.	5.3	88
22	Green Synthesis of Iron Oxide Nanoparticles Mediated by Filamentous Fungi Isolated from Sundarban Mangrove Ecosystem, India. BioNanoScience, 2019, 9, 637-651.	3.5	88
23	Assessment of changes in land use, land cover, and land surface temperature in the mangrove forest of Sundarbans, northeast coast of India. Environment, Development and Sustainability, 2021, 23, 1917-1943.	5.0	85
24	Adsorption Kinetic Modeling of Safranin onto Rice Husk Biomatrix Using Pseudoâ€firstâ€•and Pseudoâ€secondâ€•order Kinetic Models: Comparison of Linear and Nonâ€linear Methods. Clean - Soil, Air, Water, 2011, 39, 274-282.	1.1	78
25	Optimization of crystal violet dye removal using novel soil-silver nanocomposite as nanoadsorbent using response surface methodology. Journal of Environmental Chemical Engineering, 2014, 2, 708-714.	6.7	75
26	Graphene oxide nanoplatelets synthesized with carbonized agro-waste biomass as green precursor and its application for the treatment of dye rich wastewater. Chemical Engineering Research and Design, 2017, 106, 163-172.	5.6	75
27	Comparative study of biofiltration process for treatment of VOCs emission from petroleum refinery wastewaterâ€”A review. Environmental Technology and Innovation, 2017, 8, 441-461.	6.1	74
28	Optimum Sorption Isotherm by Linear and Nonlinear Methods for Safranin onto Alkali-Treated Rice Husk. Bioremediation Journal, 2011, 15, 77-89.	2.0	73
29	Response surface optimization of a dynamic dye adsorption process: a case study of crystal violet adsorption onto NaOH-modified rice husk. Environmental Science and Pollution Research, 2013, 20, 1698-1705.	5.3	72
30	Synthesis of pyrolyzed biochar and its application for dye removal: Batch, kinetic and isotherm with linear and non-linear mathematical analysis. Surfaces and Interfaces, 2020, 20, 100616.	3.0	71
31	Influence of carbon sources and light intensity on biomass and lipid production of Chlorella sorokiniana BTA 9031 isolated from coalfield under various nutritional modes. Energy Conversion and Management, 2017, 145, 247-254.	9.2	68
32	Modeling of biosorption of Cu(II) by alkali-modified spent tea leaves using response surface methodology (RSM) and artificial neural network (ANN). Applied Water Science, 2015, 5, 191-199.	5.6	65
33	Assessment on the Removal of Methylene Blue Dye using Tamarind Fruit Shell as Biosorbent. Water, Air, and Soil Pollution, 2010, 213, 287-299.	2.4	64
34	Biosorption of Direct Red 28 (Congo Red) from Aqueous Solutions by Eggshells: Batch and Column Studies. Separation Science and Technology, 2012, 47, 112-123.	2.5	63
35	Biosorption kinetics, thermodynamics and isosteric heat of sorption of Cu(II) onto Tamarindus indica seed powder. Colloids and Surfaces B: Biointerfaces, 2011, 88, 697-705.	5.0	60
36	Chemically reduced tea waste biochar and its application in treatment of fluoride containing wastewater: Batch and optimization using response surface methodology. Chemical Engineering Research and Design, 2018, 116, 553-563.	5.6	60

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37	Assessment on the decolourization of textile dye (Reactive Yellow) using Pseudomonas sp. immobilized on fly ash: Response surface methodology optimization and toxicity evaluation. Journal of Environmental Management, 2018, 223, 185-195.	7.8	58
38	Synergistic approach towards the sustainable management of heavy metals in wastewater using mycosynthesized iron oxide nanoparticles: Biofabrication, adsorptive dynamics and chemometric modeling study. Journal of Water Process Engineering, 2020, 37, 101426.	5.6	55
39	Insight into biosorption equilibrium, kinetics and thermodynamics of crystal violet onto Ananas comosus (pineapple) leaf powder. Applied Water Science, 2012, 2, 135-141.	5.6	53
40	Plant-mediated synthesis of silver-nanocomposite as novel effective azo dye adsorbent. Applied Nanoscience (Switzerland), 2015, 5, 1-9.	3.1	53
41	Removal of safranin from aqueous solutions by NaOHâ€treated rice husk: thermodynamics, kinetics and isosteric heat of adsorption. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 236-249.	1.5	51
42	Utilization of a domestic wasteâ€"Eggshells for removal of hazardous Malachite Green from aqueous solutions. Environmental Progress and Sustainable Energy, 2012, 31, 415-425.	2.3	50
43	Optimization of copper bioremediation by Stenotrophomonas maltophilia PD2. Journal of Environmental Chemical Engineering, 2013, 1, 159-163.	6.7	49
44	Biosorption of methylene blue from aqueous solutions by a waste biomaterial: hen feathers. Applied Water Science, 2012, 2, 209-219.	5.6	48
45	Valorization of food waste: Extraction of cellulose, lignin and their application in energy use and water treatment. Fuel, 2020, 280, 118581.	6.4	48
46	Comparative biodegradation study of polymer from plastic bottle waste using novel isolated bacteria and fungi from marine source. Journal of Polymer Research, 2020, 27, 1.	2.4	45
47	Scale-up of a dye adsorption process using chemically modified rice husk: optimization using response surface methodology. Desalination and Water Treatment, 2012, 37, 331-336.	1.0	43
48	A critical review on plant biomonitors for determination of polycyclic aromatic hydrocarbons (PAHs) in air through solvent extraction techniques. Chemosphere, 2020, 251, 126441.	8.2	43
49	Shoreline changes and its impact on the mangrove ecosystems of some islands of Indian Sundarbans, North-East coast of India. Journal of Cleaner Production, 2021, 284, 124764.	9.3	41
50	Treatment of a Pharmaceutical Industrial Effluent by a Hybrid Process of Advanced Oxidation and Adsorption. ACS Omega, 2020, 5, 32305-32317.	3.5	40
51	Study on isotherm, kinetics, and thermodynamics of adsorption of crystal violet dye by calcium oxide modified fly ash. Environmental Engineering Research, 2021, 26, .	2.5	40
52	Pseudo-Second-Order Kinetic Model for Biosorption of Methylene Blue onto Tamarind Fruit Shell: Comparison of Linear and Nonlinear Methods. Bioremediation Journal, 2010, 14, 196-207.	2.0	37
53	Ultrasonic assisted graphene oxide nanosheet for the removal of phenol containing solution. Environmental Technology and Innovation, 2019, 13, 398-407.	6.1	37
54	Assessment on thermodynamics and kinetics parameters on reduction of methylene blue dye using flyash. Desalination and Water Treatment, 2009, 12, 219-228.	1.0	36

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55	Biodegradation of acenapthene and naphthalene by Pseudomonas mendocina : Process optimization, and toxicity evaluation. Journal of Environmental Chemical Engineering, 2017, 5, 4803-4812.	6.7	35
56	Dyeing of modified cotton fiber with natural <scp>T</scp>erminalia arjuna dye: Optimization of dyeing parameters using response surface methodology. Environmental Progress and Sustainable Energy, 2016, 35, 719-728.	2.3	34
57	Calcium impregnated activated charcoal: Optimization and efficiency for the treatment of fluoride containing solution in batch and fixed bed reactor. Chemical Engineering Research and Design, 2017, 109, 18-29.	5.6	34
58	Graphene oxideâ€“nanobentonite composite sieves for enhanced desalination and dye removal. Desalination, 2019, 451, 231-240.	8.2	34
59	Removal of Crystal Violet from Aqueous Solution by Adsorption onto Eggshells: Equilibrium, Kinetics, Thermodynamics and Artificial Neural Network Modeling. Waste and Biomass Valorization, 2013, 4, 655-664.	3.4	33
60	Comparative Analysis of Linear and Nonlinear Methods of Estimating the Pseudo-Second-Order Kinetic Parameters for Sorption of Malachite Green onto Pretreated Rice Husk. Bioremediation Journal, 2011, 15, 181-188.	2.0	31
61	Batch removal of chromium (VI) from aqueous solutions using wheat shell as adsorbent: process optimization using response surface methodology. Desalination and Water Treatment, 2012, 39, 95-102.	1.0	31
62	Artificial neural network (ANN) modeling of dynamic adsorption of crystal violet from aqueous solution using citric-acid-modified rice (Oryza sativa) straw as adsorbent. Clean Technologies and Environmental Policy, 2013, 15, 255-264.	4.1	31
63	Mathematical modelling and optimization of synthetic textile dye removal using soil composites as highly competent liner material. Environmental Science and Pollution Research, 2015, 22, 1318-1328.	5.3	31
64	A review of the application of multispectral remote sensing in the study of mangrove ecosystems with special emphasis on image processing techniques. Spatial Information Research, 2020, 28, 39-51.	2.2	31
65	Treatment of malachite green dye containing solution using bio-degradable Sodium alginate/NaOH treated activated sugarcane baggsse charcoal beads: Batch, optimization using response surface methodology and continuous fixed bed column study. Journal of Environmental Management, 2020, 276, 111272.	7.8	31
66	Assessment on removal efficiency of chromium by the isolated manglicolous fungi from Indian Sundarban mangrove forest: Removal and optimization using response surface methodology. Environmental Technology and Innovation, 2018, 10, 335-344.	6.1	29
67	Adsorption of Crystal Violet From Aqueous Solution by Citric Acid Modified Rice Straw: Equilibrium, Kinetics, and Thermodynamics. Separation Science and Technology, 2013, 48, 1339-1348.	2.5	28
68	Ozone microbubble-aided intensification of degradation of naproxen in a plant prototype. Journal of Environmental Chemical Engineering, 2019, 7, 103102.	6.7	28
69	Adsorption Thermodynamics and Kinetics of Malachite Green onto Ca(OH)2-Treated Fly Ash. Journal of Environmental Engineering, ASCE, 2011, 137, 388-397.	1.4	27
70	Antiâ€cancer drug KP1019 modulates epigenetics and induces DNA damage response in Saccharomyces cerevisiae. FEBS Letters, 2014, 588, 1044-1052.	2.8	27
71	Treatment of Wastewater from a Dairy Industry Using Rice Husk as Adsorbent: Treatment Efficiency, Isotherm, Thermodynamics, and Kinetics Modelling. Journal of Thermodynamics, 2016, 2016, 1-7.	0.8	27
72	Activated carbonaceous materials from tea waste and its removal capacity of indigo carmine present in solution: synthesis, batch and optimization study. Sustainable Environment Research, 2020, 30, .	4.2	27

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73	Mechanistic, Kinetic, and Thermodynamic Evaluation of Adsorption of Hazardous Malachite Green onto Conch Shell Powder. Separation Science and Technology, 2011, 46, 1966-1976.	2.5	26
74	Central composite design optimization and artificial neural network modeling of copper removal by chemically modified orange peel. Desalination and Water Treatment, 2013, 51, 7791-7799.	1.0	25
75	Assessment of water quality index using cluster analysis and artificial neural network modeling: a case study of the Hooghly River basin, West Bengal, India. Desalination and Water Treatment, 2015, 54, 28-36.	1.0	25
76	Application of Natural Clayey Soil as Adsorbent for the Removal of Copper from Wastewater. Journal of Environmental Engineering, ASCE, 2010, 136, 1409-1417.	1.4	24
77	Fish (Labeo rohita) Scales as Potential Low-Cost Biosorbent for Removal of Malachite Green from Aqueous Solutions. Bioremediation Journal, 2012, 16, 235-242.	2.0	24
78	Optimization of copper adsorption by chemically modified fly ash using response surface methodology modeling. Desalination and Water Treatment, 2012, 49, 218-226.	1.0	24
79	Experimental and Numerical modeling on dye adsorption using pyrolyzed mesoporous biochar in Batch and fixed-bed column reactor: Isotherm, Thermodynamics, Mass transfer, Kinetic analysis. Surfaces and Interfaces, 2021, 23, 100985.	3.0	24
80	Adsorption of malachite green from aqueous solution by naohâ€modified rice husk: Fixedâ€bed column studies. Environmental Progress and Sustainable Energy, 2013, 32, 633-639.	2.3	22
81	Assessment of the removal of cadmium present in wastewater using soilâ€“admixture membrane. Desalination, 2010, 259, 131-139.	8.2	21
82	Linear and Nonlinear Regression Analyses for Binary Sorption Kinetics of Methylene Blue and Safranin onto Pretreated Rice Husk. Bioremediation Journal, 2011, 15, 99-108.	2.0	21
83	Biodegradation of two Azo dyes usingDietziasp. PD1: process optimization using Response Surface Methodology and Artificial Neural Network. Desalination and Water Treatment, 2016, 57, 7293-7301.	1.0	21
84	Comparative assessment on defluoridation of waste water using chemical and bio-reduced graphene oxide: Batch, thermodynamic, kinetics and optimization using response surface methodology and artificial neural network. Chemical Engineering Research and Design, 2017, 111, 221-231.	5.6	21
85	Batch adsorption of indigo carmine on activated carbon prepared from sawdust: A comparative study and optimization of operating conditions using Response Surface Methodology. Results in Surfaces and Interfaces, 2021, 3, 100011.	2.4	21
86	Biomass for water defluoridation and current understanding on biosorption mechanisms: A review. Environmental Progress and Sustainable Energy, 2018, 37, 1560-1572.	2.3	20
87	Mycosynthesis of iron oxide nanoparticles using manglicolous fungi isolated from Indian sundarbans and its application for the treatment of chromium containing solution: Synthesis, adsorption isotherm, kinetics and thermodynamics study. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100276.	2.9	20
88	Removal of aqueous carbamazepine using graphene oxide nanoplatelets: process modelling and optimization. Sustainable Environment Research, 2020, 30, .	4.2	20
89	Biochar from waste Sterculia foetida and its application as adsorbent for the treatment of PAH compounds: Batch and optimization. Fuel, 2021, 306, 121623.	6.4	20
90	Synthesis of graphene oxide dots coated biomatrices and its application for the removal of multiple pollutants present in wastewater. Journal of Cleaner Production, 2018, 203, 83-88.	9.3	19

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91	Microbial biofilter for toluene removal: Performance evaluation, transient operation and theoretical prediction of elimination capacity. Sustainable Environment Research, 2018, 28, 121-127.	4.2	18
92	Enhanced degradation of ternary dye effluent by developed bacterial consortium with RSM optimization, ANN modeling and toxicity evaluation. , 0, 72, 249-265.		18
93	Assessment of water quality of Damodar River in South Bengal region of India by Canadian Council of Ministers of Environment (CCME) Water Quality Index: a case study. Desalination and Water Treatment, 2016, 57, 3489-3502.	1.0	17
94	Treatability study using novel activated carbon prepared from rice husk: Column study, optimization using response surface methodology and mathematical modeling. Chemical Engineering Research and Design, 2017, 105, 184-193.	5.6	17
95	Carbonaceous materials synthesized from thermally treated waste materials and its application for the treatment of Strontium metal solution: Batch and optimization using Response Surface Methodology. Environmental Technology and Innovation, 2019, 15, 100394.	6.1	17
96	Batch removal of chromium (VI) from aqueous solutions using wheat shell as adsorbent: process optimization using response surface methodology. , 0, 39, 95-102.		17
97	Hazardous Waste Pollution Prevention Using Clay with Admixtures. Clean - Soil, Air, Water, 2008, 36, 230-238.	1.1	16
98	Natural dye from bixa seeds as a potential alternative to synthetic dyes for use in textile industry. Desalination and Water Treatment, 2012, 40, 298-301.	1.0	16
99	Optimization of Copper Adsorption by Soil of Polluted Wasteland using Response Surface Methodology. Indian Chemical Engineer, 2014, 56, 29-42.	1.5	16
100	Synthesis of graphene oxide nano-materials coated bio-char using carbonaceous industrial waste for phenol separation from water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123818.	4.7	16
101	Efficacy of spent tea waste as chemically impregnated adsorbent involving ortho-phosphoric and sulphuric acid for abatement of aqueous phenolâ€"isotherm, kinetics and artificial neural network modelling. Environmental Science and Pollution Research, 2020, 27, 20629-20647.	5.3	16
102	OPTIMIZATION OF REDUCTION OF COPPER USING Stenotrophomonas maltophilia PD2 BIOMASS AND ARTIFICIAL NEURAL NETWORK MODELING. Environmental Engineering and Management Journal, 2015, 14, 37-44.	0.6	16
103	Batch Removal of Crystal Violet from Aqueous Solution by H₂SO₄Modified Sugarcane Bagasse: Equilibrium, Kinetic, and Thermodynamic Profile. Separation Science and Technology, 2012, 47, 1898-1905.	2.5	15
104	Biosorption of Congo red and Indigo carmine by nonviable biomass of a newDietziastrain isolated from the effluent of a textile industry. Desalination and Water Treatment, 2013, 51, 5840-5847.	1.0	15
105	Dye Removal Using Microbial Biosorbents. Environmental Chemistry for A Sustainable World, 2018, , 253-280.	0.5	15
106	Calcium alginateâ€"bentonite/activated biochar composite beads for removal of dye and Biodegradation of dye-loaded composite after use: Synthesis, removal, mathematical modeling and biodegradation kinetics. Environmental Technology and Innovation, 2021, 24, 101955.	6.1	15
107	Biosorption of hazardous textile dyes from aqueous solutions by hen feathers: Batch and column studies. Korean Journal of Chemical Engineering, 2012, 29, 1567-1576.	2.7	14
108	Integral approach of adsorption and chemical treatment of fluoride containing wastewater: Batch and optimization using RSM. Journal of Environmental Chemical Engineering, 2017, 5, 274-282.	6.7	14

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109	Synthesis of nano-silica-coated biochar from thermal conversion of sawdust and its application for Cr removal: kinetic modelling using linear and nonlinear method and modelling using artificial neural network analysis. Biomass Conversion and Biorefinery, 2023, 13, 821-831.	4.6	14
110	Cellulose from lignocellulose kitchen waste and its application for energy and environment: bioethanol production and dye removal. Indian Chemical Engineer, 2021, 63, 161-171.	1.5	14
111	Synthesis and application of graphene oxide-coated biochar composite for treatment of strontium-containing solution. International Journal of Environmental Science and Technology, 2021, 18, 1953-1966.	3.5	14
112	Adsorption of crystal violet from aqueous solution onto sugarcane bagasse: central composite design for optimization of process variables. Journal of Water Reuse and Desalination, 2012, 2, 55-65.	2.3	13
113	Treatment of azo dye (congo red) solution in fluidized bed bioreactor with simultaneous approach of adsorption coupled with biodegradation: optimization by response surface methodology and toxicity assay. Clean Technologies and Environmental Policy, 2019, 21, 1675-1686.	4.1	13
114	Role of Manglicolous fungi isolated from Indian Sunderban mangrove forest for the treatment of metal containing solution: Batch and optimization using response surface methodology. Environmental Technology and Innovation, 2019, 13, 166-178.	6.1	13
115	The second- and third-generation biofuel technologies: comparative perspectives. , 2021, , 29-50.		13
116	Comparative assessment on the removal of ranitidine and prednisolone present in solution using graphene oxide (GO) nanoplatelets. , 0, 132, 287-296.		13
117	Pseudo-second-order kinetic models for the sorption of malachite green ontoTamarindus indicaseeds: Comparison of linear and non-linear methods. Desalination and Water Treatment, 2011, 30, 229-236.	1.0	12
118	Batch and continuous (fixed-bed column) biosorption of Cu(II) by Tamarindus indica fruit shell. Korean Journal of Chemical Engineering, 2013, 30, 369-378.	2.7	12
119	Assessment on linear and non-linear analysis for the estimation of pseudo-second-order kinetic parameters for removal of dye using graphene nanosheet. Desalination and Water Treatment, 2015, 56, 502-508.	1.0	12
120	Microwave-assisted synthesis of graphene and its application for adsorptive removal of malachite green: thermodynamics, kinetics and isotherm study. Desalination and Water Treatment, 2016, 57, 7312-7321.	1.0	12
121	Fixed bed column study for water defluoridation using neem oil-phenolic resin treated plant bio-sorbent. Journal of Environmental Management, 2018, 212, 424-432.	7.8	12
122	Date Palm Based Activated Carbon for the Efficient Removal of Organic Dyes from Aqueous Environment. Sustainable Agriculture Reviews, 2019, , 247-263.	1.1	12
123	Citric acid modified wheat bran as a potential adsorbent for removal of Cu(II) and Malachite Green from aqueous solutions. Desalination and Water Treatment, 2013, 51, 6038-6048.	1.0	11
124	Urban wood waste as precursor of activated carbon and its subsequent application for adsorption of polyaromatic hydrocarbons. International Journal of Energy and Water Resources, 2018, 2, 1-13.	2.2	11
125	A comparative study of liquid-liquid extraction in different rotating bed contactors. Chemical Engineering and Processing: Process Intensification, 2018, 132, 187-193.	3.6	11
126	Enhanced biosorption of fluoride by extracted nanocellulose/polyvinyl alcohol composite in batch and fixed-bed system: ANN analysis and numerical modeling. Environmental Science and Pollution Research, 2021, 28, 47107-47125.	5.3	11

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127	Limnological analysis of an urban polluted lake in Bangalore city in India. Desalination and Water Treatment, 2011, 30, 217-228.	1.0	10
128	Removal of Pb(II) from aqueous solutions by adsorption onto clayey soil of Indian origin: Equilibrium, kinetic and thermodynamic profile. Korean Journal of Chemical Engineering, 2012, 29, 1086-1093.	2.7	10
129	Fixed-bed adsorption of Malachite Green onto binary solid mixture of adsorbents: seashells and eggshells. Toxicological and Environmental Chemistry, 2012, 94, 1272-1282.	1.2	10
130	Treatment of textile effluent using bacteria-immobilized graphene oxide nanocomposites: evaluation of effluent detoxification using Bellamya bengalensis. Clean Technologies and Environmental Policy, 2018, 20, 2287-2298.	4.1	10
131	Removal of Ranitidine from Pharmaceutical Waste Water Using Activated Carbon (AC) Prepared from Waste Lemon Peel. , 2019, , 123-141.		10
132	Integral approach of treatment of phenolic wastewater using nano-metal coated graphene oxide in combination with advanced oxidation. Surfaces and Interfaces, 2020, 21, 100660.	3.0	10
133	Removal of naphthalene present in synthetic waste water using novel Graphene /Graphene Oxide nano sheet synthesized from rice straw: comparative analysis, isotherm and kinetics. Frontiers in Nanoscience and Nanotechnology, 2016, 2, .	0.3	10
134	Chemometric study on the biochemical marker of the manglicolous fungi to illustrate its potentiality as a bio indicator for heavy metal pollution in Indian Sundarbans. Marine Pollution Bulletin, 2021, 173, 113017.	5.0	9
135	INatural Blue Dye from Clitoria Ternatea: Extraction and Analysis Methods. Research Journal of Textile and Apparel, 2012, 16, 34-38.	1.1	8
136	Graphene oxide for the treatment of ranitidine containing solution: Optimum sorption kinetics by linear and non linear methods and simulation using artificial neural network. Chemical Engineering Research and Design, 2016, 102, 589-595.	5.6	8
137	Continuous biosorption of Malachite Green by Ananus comosus (pineapple) leaf powder in a fixed bed reactor: experimental, breakthrough time and mathematical modeling. Desalination and Water Treatment, 2016, 57, 25842-25847.	1.0	8
138	Bioattenuation of phenol and cyanide involving immobilised spent tea activated carbon with <scp>Alcaligenes faecalis JF339228</scp>: Critical assessment of the degraded intermediates. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2278.	1.5	8
139	Graphene oxideâ€“coated pyrolysed biochar from waste sawdust and its application for treatment of cadmium-containing solution: batch, fixed-bed column, regeneration, and mathematical modelling. Biomass Conversion and Biorefinery, 2023, 13, 867-878.	4.6	8
140	Comparative experimental and mathematical analysis on removal of dye using raw rice husk, rice husk charcoal and activated rice husk charcoal: batch, fixed-bed column, and mathematical modeling. Biomass Conversion and Biorefinery, 2023, 13, 11023-11040.	4.6	8
141	Integral approach of sorption coupled with biodegradation for treatment of azo dye using Pseudomonas sp.: batch, toxicity, and artificial neural network. 3 Biotech, 2018, 8, 192.	2.2	7
142	Kinetics of ozonation and mass transfer of pharmaceuticals degraded by ozone fine bubbles in a plant prototype. Heat and Mass Transfer, 2020, 56, 385-397.	2.1	7
143	Thermal, Chemical and ultrasonic assisted synthesis of carbonized Biochar and its application for reducing Naproxen: Batch and Fixed bed study and subsequent optimization with response surface methodology (RSM) and artificial neural network (ANN). Surfaces and Interfaces, 2021, 26, 101378.	3.0	7
144	Municipal Solid Wastesâ€”A Promising Sustainable Source of Energy: A Review on Different Waste-to-Energy Conversion Technologies. , 2020, , 151-163.		7

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145	Mathematical Modeling of the Reduction of Safranin onto Chemically Modified Rice Husks in Stirred Tank Reactor Using Response Surface Methodology and Artificial Neural Network. Bioremediation Journal, 2013, 17, 52-60.	2.0	6
146	Evaluation of mass transfer effect and response surface optimization for abatement of phenol and cyanide using immobilized carbon alginate beads in a fixed bioâ€column reactor. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2405.	1.5	6
147	Synthesis and application of various metal oxideâ€"/biomaterialâ€"coated carbonaceous nanomaterials derived from waste biomass for removal of Cr+6 present in solution. Biomass Conversion and Biorefinery, 2023, 13, 2099-2112.	4.6	6
148	Removal of phenol from aqueous solution by adsorption onto seashells: equilibrium, kinetic and thermodynamic studies. Journal of Water Reuse and Desalination, 2013, 3, 119-127.	2.3	5
149	Assessment on the modelling of the kinetic parameter for the removal of crystal violet dye using Ag-soil nanocomposite: linear and non-linear analysis. Desalination and Water Treatment, 2016, 57, 4073-4080.	1.0	5
150	Membrane Technology. Carbon Nanostructures, 2018, , 127-150.	0.1	5
151	Manufacturing of Biodegradable Poly Lactic Acid (PLA): Green Alternatives to Petroleum Derived Plastics. , 2020, , 561-569.		5
152	Synthesis of activated carbon material using sawdust as precursor and its application for dye removal: batch study and optimization using response surface methodology. Biomass Conversion and Biorefinery, 2023, 13, 3903-3915.	4.6	5
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