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	Biopolymer linked activated carbon-nano-bentonite composite membrane for efficient elimination of PAH mixture from aqueous solutions. Biomass Conversion and Biorefinery, 2024, 14, 359-373.	4.6	3
2	Integral approach for second-generation bio-ethanol production and wastewater treatment using peanut shell waste: yield, removal, and ANN studies. Biomass Conversion and Biorefinery, 2024, 14, 689-699.	4.6	5
3	Investigation on efficiency of synthesized lanthanum oxideâ€“coated biochar and graphene oxideâ€“coated biochar on removal of fluoride: batch and fixed bed continuous reactor performance modelling. Biomass Conversion and Biorefinery, 2024, 14, 6507-6520.	4.6	5
4	Titanium oxideâ€“coated coconut huskâ€“derived biochar composite and its application for removal of crystal violet dye. Biomass Conversion and Biorefinery, 2024, 14, 5035-5051.	4.6	2
5	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
6	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
7	Lanthanum oxideâ€“graphene oxide coated functionalized pyrolyzed biomass from sawdust and its application for dye removal present in solution. Biomass Conversion and Biorefinery, 2023, 13, 5601-5610.	4.6	5
8	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
9	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
10	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
11	Reduction of hexavalent chromium using L-ascorbic acid in rotating reactors. International Journal of Environmental Science and Technology, 2022, 19, 6767-6780.	3.5	2
12	Metal-oxide coated Graphene oxide nano-composite for the treatment of pharmaceutical compound in photocatalytic reactor: Batch, Kinetics and Mathematical Modeling using Response Surface Methodology and Artificial Neural Network. Environmental Science and Pollution Research, 2022, 29, 61938-61953.	5.3	1
13	Nanocoated membranes for oil/water separation. , 2022, , 207-230.		0
14	Superhydrophobic polymeric adsorbents as an efficient oil separator. , 2022, , 139-156.		1
15	Dye Removal Using Polymer Composites as Adsorbents. Sustainable Textiles, 2022, , 85-104.	0.7	2
16	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
17	The second- and third-generation biofuel technologies: comparative perspectives. , 2021, , 29-50.		13
18	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

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19	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
20	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
21	Removal of Hexavalent Chromium by Carbonaceous Material Derived from Sawdust. Lecture Notes in Civil Engineering, 2021, , 287-297.	0.4	0
22	Phytogenic synthesis of nanoparticles and their application in photo catalysis of dye rich effluents. , 2021, , 647-694.		3
23	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
24	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
25	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
26	Performance evaluation of a baffled rotating contactor for the concentration of fruit juice by air stripping. Chemical Engineering Research and Design, 2021, , .	5.6	1
27	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
28	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
29	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
30	Review of Soft Computing Techniques for Modeling, Design, and Prediction of Wastewater Removal Performance. , 2021, , 55-73.		0
31	Membrane processes for removal of polyaromatic hydrocarbons from wastewater. , 2021, , 189-207.		2
32	Industrial dye degradation bydifferent nanocomposite doped material. , 2021, , 377-404.		0
33	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
34	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
35	Review on Trends in the Removal of Pharmaceuticals and Personal Care Products (PPCPs) from Water and Wastewater. Springer Transactions in Civil and Environmental Engineering, 2021, , 225-250.	0.4	0
36	New Bioremediation Technologies to Remove Heavy Metals and Radionuclides. , 2021, , 23-45.		1

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37	Nanomaterial for CO2 Sequestration. , 2020, , 598-605.		0
38	Manufacturing of Biodegradable Poly Lactic Acid (PLA): Green Alternatives to Petroleum Derived Plastics. , 2020, , 561-569.		5
39	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
40	Fermentative Production of Optically Pure Lactic Acid From Renewable Materials. , 2020, , 447-453.		1
41	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
42	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
43	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
44	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
45	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
46	Valorization of food waste: Extraction of cellulose, lignin and their application in energy use and water treatment. Fuel, 2020, 280, 118581.	6.4	48
47	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
48	Process Intensification of Liquid-Liquid Extraction in Rotating Packed Bed. Materials Science Forum, 2020, 998, 146-150.	0.3	0
49	Correction to: Removal of aqueous carbamazepine using graphene oxide nanoplatelets: process modelling and optimization. Sustainable Environment Research, 2020, 30, .	4.2	2
50	Removal of aqueous carbamazepine using graphene oxide nanoplatelets: process modelling and optimization. Sustainable Environment Research, 2020, 30, .	4.2	20
51	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
52	Treatment of a Pharmaceutical Industrial Effluent by a Hybrid Process of Advanced Oxidation and Adsorption. ACS Omega, 2020, 5, 32305-32317.	3.5	40
53	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
54	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

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55	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
56	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
57	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
58	Integral approach for the treatment of phenolic wastewater using gamma irradiation and graphene oxide. Groundwater for Sustainable Development, 2020, 10, 100355.	4.6	4
59	Biodegradation of Plastic Waste Using Marine Micro-Organisms. , 2020, , 195-201.		1
60	Synthesis of Cellulose from Peanut Shell Waste and Its Use in Bioethanol Production. , 2020, , 81-91.		4
61	Municipal Solid Wastesâ€"A Promising Sustainable Source of Energy: A Review on Different Waste-to-Energy Conversion Technologies. , 2020, , 151-163.		7
62	Recycling Industrial Waste for Production of Bioethanol. , 2020, , 143-149.		1
63	Novel Techniques of Synthesis of Nanocellulose from Sugarcane Bagasse and Its Applications in Dye Removal. , 2020, , 79-85.		0
64	Advanced Nanomaterials in the Clinical Scenario: Virtues and Consequences. Nanotechnology in the Life Sciences, 2020, , 427-449.	0.6	0
65	Application of Nanomaterials in CO2 Sequestration. , 2020, , 147-160.		0
66	Three-Dimensional Graphene-Based Macroscopic Assemblies as Super-Absorbents for Oils and Organic Solvents. , 2019, , 43-68.		4
67	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
68	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
69	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
70	Role of Advanced Oxidation Process in Treatment of Coke Oven Wastewaterâ€"A Review. , 2019, , 37-51.		4
71	Removal of Ranitidine from Pharmaceutical Waste Water Using Activated Carbon (AC) Prepared from Waste Lemon Peel. , 2019, , 123-141.		10
72	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

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73	Green Synthesis of Iron Oxide Nanoparticles Mediated by Filamentous Fungi Isolated from Sundarban Mangrove Ecosystem, India. BioNanoScience, 2019, 9, 637-651.	3.5	88
74	Ozone microbubble-aided intensification of degradation of naproxen in a plant prototype. Journal of Environmental Chemical Engineering, 2019, 7, 103102.	6.7	28
75	Date Palm Based Activated Carbon for the Efficient Removal of Organic Dyes from Aqueous Environment. Sustainable Agriculture Reviews, 2019, , 247-263.	1.1	12
76	Extraction of Hexavalent Chromium from Wastewater Using Aliquat 336. , 2019, , 15-26.		1
77	Comparative Study on Adsorption of Dye Solutions Using Silver Nanocomposites. , 2019, , 453-466.		3
78	Azo Dye-Rich Wastewater Treatment by Combined Biodegradationâ€“Adsorption Approach: Optimization, Modeling and Toxicity Analysis. , 2019, , 169-181.		2
79	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
80	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
81	Study of Ammonia Removal from Simulated Coke Oven Wastewater Using Commercial Charcoal Activated Carbon. , 2019, , 1197-1205.		0
82	Graphene oxideâ€“nanobentonite composite sieves for enhanced desalination and dye removal. Desalination, 2019, 451, 231-240.	8.2	34
83	Ultrasonic assisted graphene oxide nanosheet for the removal of phenol containing solution. Environmental Technology and Innovation, 2019, 13, 398-407.	6.1	37
84	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
85	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
86	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
87	Biomass for water defluoridation and current understanding on biosorption mechanisms: A review. Environmental Progress and Sustainable Energy, 2018, 37, 1560-1572.	2.3	20
88	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
89	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
90	Biodegradation Behaviour of Cellulose-Reinforced PMMA Composites in Pond Water. , 2018, , 57-64.		0

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91	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
92	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
93	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
94	Dye Removal Using Microbial Biosorbents. Environmental Chemistry for A Sustainable World, 2018, , 253-280.	0.5	15
95	Membrane Technology. Carbon Nanostructures, 2018, , 127-150.	0.1	5
96	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
97	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
98	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
99	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
100	Production of biodiesel from microalgae through biological carbon capture: a review. 3 Biotech, 2017, 7, 99.	2.2	163
101	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
102	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
103	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
104	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
105	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
106	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
107	Ultrasound assisted mixed azo dye adsorption by chitosanâ€"graphene oxide nanocomposite. Chemical Engineering Research and Design, 2017, 117, 43-56.	5.6	99
108	Thermodynamics and kinetics study of defluoridation using Ca-SiO2-TiO2 as adsorbent: Column studies and statistical approach. Korean Journal of Chemical Engineering, 2017, 34, 179-188.	2.7	4

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109	Novel Pre Treatment Techniques for Extraction of Fermentable Sugars from Natural Waste Materials for Bio Ethanol Production. International Journal of Environmental Sciences & Natural Resources, 2017, 7, .	0.1	3
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	Biodegradation of Acenaphthene Using Two Different Isolated Bacteria: Comparative Analysis and Optimization Using Artificial Neural Network. Environmental Pollution and Protection, 2016, 1, .	0.2	3
121	Green Synthesis of Silver â€“ Soil Nanocomposite from Two Different Sources and Its Application for the Removal of Dye Solution. Environmental Pollution and Protection, 2016, 1, 55-68.	0.2	1
122	Biosorption of Dye Molecules. Advances in Environmental Engineering and Green Technologies Book Series, 2016, , 51-74.	0.4	5
123	Advances in Bioremediation for Removal of Toxic Dye from Different Streams of Wastewater. Advances in Environmental Engineering and Green Technologies Book Series, 2016, , 266-278.	0.4	2
124	Thermodynamics and kinetics study of de-fluoridation in waste water using hydroxyapatite (Hap) as adsorbent: Optimization using response surface methodology. Frontiers in Nanoscience and Nanotechnology, 2016, 2, .	0.3	4
125	Comparative Analysis on Treatment of Fluoride Containing Solution Using Novel Activated Carbon Prepared from Lemon Shell and Wheat Bran:Batch and Column Studies. Environmental Pollution and Protection, 2016, 1, .	0.2	0
126	Phenol Adsorption onto Various Soil Composite Membranes: Insight into Process Kinetics, Modelling and Optimisation Using Response Surface Methodology. Hydrology Current Research, 2015, 06, .	0.4	1

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127	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
128	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
129	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
130	Plant-mediated synthesis of silver-nanocomposite as novel effective azo dye adsorbent. Applied Nanoscience (Switzerland), 2015, 5, 1-9.	3.1	53
131	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
132	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
133	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
134	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
135	Optimization of Copper Adsorption by Soil of Polluted Wasteland using Response Surface Methodology. Indian Chemical Engineer, 2014, 56, 29-42.	1.5	16
136	Antiâ€cancer drug KP1019 modulates epigenetics and induces DNA damage response in Saccharomyces cerevisiae. FEBS Letters, 2014, 588, 1044-1052.	2.8	27
137	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
138	Water quality characteristics of different industrial wastewater by Delphi water quality index method. International Journal of Environmental Engineering, 2014, 6, 1.	0.1	4
139	Green Synthesis of Silver - Nanocomposite for Treatment of Textile Dye. Nanoscience & Technology Open Access, 2014, 1, .	0.3	3
140	Green Synthesis of Silver - Nanocomposite for Treatment of Textile Dye. Nanoscience & Technology Open Access, 2014, 1, .	0.3	0
141	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
142	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
143	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
144	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

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145	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
146	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
147	Optimization of copper bioremediation by Stenotrophomonas maltophilia PD2. Journal of Environmental Chemical Engineering, 2013, 1, 159-163.	6.7	49
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Fish (Labeo rohita) scales as a new biosorbent for removal of textile dyes from aqueous solutions. Journal of Water Reuse and Desalination, 2012, 2, 175-184.	2.3	4
156	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
157	Mathematical modeling of biosorption of safranin onto rice husk in a packed bed column using artificial neural network analysis. Desalination and Water Treatment, 2012, 41, 308-314.	1.0	4
158	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
159	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
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