

Ponnusamy Senthil Kumar

List of Publications by Year in descending order

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589
papers

23,527
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10389
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13887
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#	ARTICLE	IF	CITATIONS
1	Microbial electrolysis cells and microbial fuel cells for biohydrogen production: current advances and emerging challenges. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8403-8423.	4.6	24
2	Effective removal of naphthalene from contaminated soil using halotolerant bacterial strains and vermiremediation techniques. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 761-778.	3.3	7
3	An efficient lab-scale soil bioreactor for the removal of chromium (Cr) and arsenic (As) contaminated soil using co-culture. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2318-2337.	3.3	1
4	Digital colorimetric analysis for estimation of iron in water with smartphone-assisted microfluidic paper-based analytical devices. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2480-2497.	3.3	6
5	Heterostructured two dimensional materials of MXene and graphene by hydrothermal method for efficient hydrogen production and HER activities. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6478-6487.	7.1	15
6	Hydrogen Generation from CO ₂ Reforming of Biomass-Derived Methanol on Ni/SiO ₂ Catalyst. <i>Topics in Catalysis</i> , 2023, 66, 41-52.	2.8	1
7	Separation of manganese from water using hybrid nanocomposite to control water pollution: kinetic and equilibrium modelling. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7684-7699.	3.3	9
8	Water quality analysis in a lake using deep learning methodology: prediction and validation. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 5641-5656.	3.3	9
9	Cleaner production on electrochemical removal of sulphonamide from wastewater using three-dimensional electrode system: characterisation and kinetics. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 5584-5600.	3.3	4
10	Potential of nanoscale size zero valent iron nanoparticles impregnated activated carbon prepared from palm kernel shell for cadmium removal to avoid water pollution. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 7224-7240.	3.3	7
11	Enhancement of lactic acid production from food waste through simultaneous saccharification and fermentation using selective microbial strains. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5947-5958.	4.6	8
12	Adsorption of copper ions from polluted water using biochar derived from waste renewable resources: static and dynamic analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4067-4088.	3.3	10
13	Adsorption of Pb(II) and Cd(II) ions onto modified biogenic slaughterhouse waste: equilibrium and kinetic analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4344-4363.	3.3	7
14	Adsorptive behaviour of surface tailored fungal biomass for the elimination of toxic dye from wastewater. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4710-4725.	3.3	10
15	Green synthesis of copper nanoparticles using <i>Sesbania aculeata</i> to enhance the plant growth and antimicrobial activities. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 1313-1322.	3.5	21
16	Recent advances in biotransformation of 5-Hydroxymethylfurfural: challenges and future aspects. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 409-419.	3.2	33
17	Surfactant aided mycoremediation of soil contaminated with polycyclic aromatic hydrocarbon (PAHs): progress, limitation, and countermeasures. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 391-408.	3.2	29
18	Effect of physiological and morphological response of <i>Musa acuminata</i> under stress condition with different salinity levels using IoT. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5227-5238.	3.5	3

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19	Adsorption of ciprofloxacin from aqueous solution using surface improved tamarind shell as an economical and effective adsorbent. <i>International Journal of Phytoremediation</i> , 2022, 24, 224-234.	3.1	9
20	Numerical study of fluid flow and heat transfer for flow of Cu-Al ₂ O ₃ -water hybrid nanofluid in a microchannel heat sink. <i>Materials Today: Proceedings</i> , 2022, 49, 1298-1302.	1.8	14
21	Hydrothermal Synthesis of Flower Like MnSe ₂ @MoSe ₂ Electrode for Supercapacitor Applications. <i>Topics in Catalysis</i> , 2022, 65, 615-622.	2.8	14
22	Cost effective and facile low temperature hydrothermal fabrication of Cu ₂ S thin films for hydrogen evolution reaction in seawater splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 30819-30829.	7.1	11
23	A review on bioconversion processes for hydrogen production from agro-industrial residues. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37302-37320.	7.1	32
24	Automated weed detection system in smart farming for developing sustainable agriculture. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 9083-9094.	3.5	14
25	Recent advances in carbon nitride-based nanomaterials for hydrogen production and storage. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37490-37516.	7.1	11
26	Electrochemical energy storage and conversion applications of CoSn(OH) ₆ materials. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41948-41955.	7.1	3
27	Two-dimensional hybrid perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 189-210.	16.2	10
28	Agricultural waste materials for adsorptive removal of phenols, chromium (VI) and cadmium (II) from wastewater: A review. <i>Environmental Research</i> , 2022, 204, 111916.	7.5	90
29	Sustainable approaches for removing Rhodamine B dye using agricultural waste adsorbents: A review. <i>Chemosphere</i> , 2022, 287, 132080.	8.2	156
30	Target-receptive structural switching of ssDNA as selective and sensitive biosensor for subsequent detection of toxic Pb ²⁺ and organophosphorus pesticide. <i>Chemosphere</i> , 2022, 287, 132163.	8.2	12
31	Understanding the factors affecting adsorption of pharmaceuticals on different adsorbents – A critical literature update. <i>Chemosphere</i> , 2022, 287, 131958.	8.2	23
32	Elimination of rhodamine B from textile wastewater using nanoparticle photocatalysts: A review for sustainable approaches. <i>Chemosphere</i> , 2022, 287, 132162.	8.2	95
33	Current advances in microbial fuel cell technology toward removal of organic contaminants – A review. <i>Chemosphere</i> , 2022, 287, 132186.	8.2	39
34	A review on recent advancements in recovery of valuable and toxic metals from e-waste using bioleaching approach. <i>Chemosphere</i> , 2022, 287, 132230.	8.2	68
35	Feasibility of magnetic nano adsorbent impregnated with activated carbon from animal bone waste: Application for the chromium (VI) removal. <i>Environmental Research</i> , 2022, 203, 111813.	7.5	38
36	Microalgae biomass as a sustainable source for biofuel, biochemical and biobased value-added products: An integrated biorefinery concept. <i>Fuel</i> , 2022, 307, 121782.	6.4	190

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37	Acetaminophen degradation using bacterial strains isolated from winogradsky column and phytotoxicity analysis of dump site soil. <i>Chemosphere</i> , 2022, 286, 131570.	8.2	4
38	Facile single-step synthesis of MXene@CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants. <i>Chemosphere</i> , 2022, 286, 131733.	8.2	46
39	Rapid removal of chloramphenicol via the synergy of <i>Geobacter</i> and metal oxide nanoparticles. <i>Chemosphere</i> , 2022, 286, 131943.	8.2	9
40	Flower like strontium molybdate for efficient energy conversion applications. <i>Fuel</i> , 2022, 308, 122051.	6.4	12
41	Highly crystalline cotton spinning wastes utilization: Pretreatment, optimized hydrolysis and fermentation using <i>Pleurotus florida</i> for bioethanol production. <i>Fuel</i> , 2022, 308, 122052.	6.4	17
42	Treatment of textile wastewater containing mixed toxic azo dye and chromium (VI) BY haloalkaliphilic bacterial consortium. <i>Chemosphere</i> , 2022, 287, 132280.	8.2	21
43	Biological approach in deinking of waste paper using bacterial cellulase as an effective enzyme catalyst. <i>Chemosphere</i> , 2022, 287, 132088.	8.2	12
44	Recent advancements in the removal/recovery of toxic metals from aquatic system using flotation techniques. <i>Chemosphere</i> , 2022, 287, 132231.	8.2	25
45	Characterization of biofilm formation and reduction of hexavalent chromium by bacteria isolated from tannery sludge. <i>Chemosphere</i> , 2022, 286, 131795.	8.2	17
46	Recent advancements in microbial fuel cells: A review on its electron transfer mechanisms, microbial community, types of substrates and design for bio-electrochemical treatment. <i>Chemosphere</i> , 2022, 286, 131856.	8.2	80
47	Application of a novel nanocomposite containing micro-nutrient solubilizing bacterial strains and CeO ₂ nanocomposite as bio-fertilizer. <i>Chemosphere</i> , 2022, 286, 131800.	8.2	17
48	A review on recent trends in the removal of emerging contaminants from aquatic environment using low-cost adsorbents. <i>Chemosphere</i> , 2022, 287, 132270.	8.2	118
49	Bioremediation of soil contaminated with toxic mixed reactive azo dyes by co-cultured cells of <i>Enterobacter cloacae</i> and <i>Bacillus subtilis</i> . <i>Environmental Research</i> , 2022, 204, 112136.	7.5	17
50	Alizarin-graphene nanocomposite for calibration-free and online pH monitoring of microbial fuel cell. <i>Chemosphere</i> , 2022, 287, 132277.	8.2	1
51	A case study of flood frequency analysis by intercomparison of graphical linear log-regression method and Gumbel's analytical method in the Vaigai river basin of Tamil Nadu, India. <i>Chemosphere</i> , 2022, 286, 131571.	8.2	8
52	Novel synthesis of fluorescent carbon dots from bio-based <i>Carica Papaya</i> Leaves: Optical and structural properties with antioxidant and anti-inflammatory activities. <i>Environmental Research</i> , 2022, 204, 111854.	7.5	42
53	Methods for chemical conversion of plastic wastes into fuels and chemicals. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 223-242.	16.2	12
54	Pristine and cobalt doped copper sulfide microsphere particles for seawater splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37171-37182.	7.1	11

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55	Recent advances and sustainable development of biofuels production from lignocellulosic biomass. Bioresource Technology, 2022, 344, 126203.	9.6	129
56	Nanoparticles approach to eradicate bacterial biofilm-related infections: A critical review. Chemosphere, 2022, 288, 132603.	8.2	21
57	Assessment of in vitro antimicrobial efficacy of biologically synthesized metal nanoparticles against pathogenic bacteria. Chemosphere, 2022, 291, 132676.	8.2	14
58	Progress in the production of hydrogen energy from food waste: A bibliometric analysis. International Journal of Hydrogen Energy, 2022, 47, 26326-26354.	7.1	33
59	Investigation of PEG directed Sb ₂ WO ₆ for dyes removal from wastewater. Chemosphere, 2022, 291, 132677.	8.2	9
60	Valorization of agro-industrial wastes for biorefinery process and circular bioeconomy: A critical review. Bioresource Technology, 2022, 343, 126126.	9.6	111
61	Soil Bioremediation Techniques. , 2022, , 195-210.		0
62	Cellulase enzyme catalyst producing bacterial strains from vermicompost and its application in low-density polyethylene degradation. Chemosphere, 2022, 288, 132552.	8.2	9
63	A review on recent advancements in bioenergy production using microbial fuel cells. Chemosphere, 2022, 288, 132512.	8.2	59
64	Impact of compression ratio on combustion behavior of hydrogen enriched biogas-diesel operated CI engine. Fuel, 2022, 310, 122321.	6.4	18
65	A comprehensive insight from microalgae production process to characterization of biofuel for the sustainable energy. Fuel, 2022, 310, 122320.	6.4	37
66	A disposable modified screen-printed electrode using egg white/ZnO rice structured composite as practical tool electrochemical sensor for formaldehyde detection and its comparative electrochemical study with Chitosan/ZnO nanocomposite. Chemosphere, 2022, 288, 132560.	8.2	23
67	Hybrid metal organic frameworks as an Exotic material for the photocatalytic degradation of pollutants present in wastewater: A review. Chemosphere, 2022, 288, 132448.	8.2	46
68	Gadolinium doped CeO ₂ for efficient oxygen and hydrogen evolution reaction. Fuel, 2022, 310, 122319.	6.4	27
69	A review of recent progress on photocatalytic carbon dioxide reduction into sustainable energy products using carbon nitride. Chemical Engineering Research and Design, 2022, 177, 304-320.	5.6	14
70	Continuous electrodeionization on the removal of toxic pollutant from aqueous solution. Chemosphere, 2022, 291, 132808.	8.2	11
71	Sustainability assessment of third-generation biofuels. , 2022, , 523-534.		3
72	Heavy metal toxicity, sources, and remediation techniques for contaminated water and soil. Environmental Technology and Innovation, 2022, 25, 102114.	6.1	93

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73	Transformation of aqueous methyl orange to green metabolites using bacterial strains isolated from textile industry effluent. <i>Environmental Technology and Innovation</i> , 2022, 25, 102126.	6.1	16
74	Bioethanol from hydrolysate of ultrasonic processed robust microalgal biomass cultivated in dairy wastewater under optimal strategy. <i>Energy</i> , 2022, 244, 122604.	8.8	18
75	Cannabis: Chemistry, extraction and therapeutic applications. <i>Chemosphere</i> , 2022, 289, 133012.	8.2	45
76	Lab-on-a-chip technologies for food safety, processing, and packaging applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 901-927.	16.2	15
77	Extraction, purification and applications of biosurfactants based on microbial-derived glycolipids and lipopeptides: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 949-970.	16.2	19
78	Green technology for sustainable surface protection of steel from corrosion: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 929-947.	16.2	10
79	Sustainable approach on the biodegradation of azo dyes: A short review. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 33, 100578.	5.9	36
80	Recent Progression of Flower Like ZnSe@MoSe ₂ Designed as an Electrocatalyst for Enhanced Supercapacitor Performance. <i>Topics in Catalysis</i> , 2022, 65, 684-693.	2.8	9
81	V-Ag doped ZnO nanorod as high-performance electrode material for supercapacitors with enhanced specific capacitance and cycling stability. <i>Chemical Engineering Research and Design</i> , 2022, 178, 356-368.	5.6	12
82	Facile route for synthesis of FeO/Fe ₃ C/Fe ₂ O ₃ carbon composite using hydrothermal carbonization of sugarcane bagasse and its use as effective adsorbent for sulfamethoxazole removal. <i>Chemosphere</i> , 2022, 289, 133214.	8.2	21
83	Identification and sequencing of bacteria from crop field: Application of bacteria as agro-waste biosorbent for rapid pesticide removal. <i>Environmental Technology and Innovation</i> , 2022, 25, 102116.	6.1	7
84	Synthesis and characterization of 4-Halobenzylidene malanitriles for optical detection of Nickel (II) ions in aqueous solution. <i>Chemosphere</i> , 2022, 290, 133248.	8.2	11
85	A review on recent advances in electrodeionization for various environmental applications. <i>Chemosphere</i> , 2022, 289, 133223.	8.2	30
86	Promotion of methane production by magnetite via increasing acetogenesis revealed by metagenome-assembled genomes. <i>Bioresource Technology</i> , 2022, 345, 126521.	9.6	18
87	Sustainable strategy on microbial fuel cell to treat the wastewater for the production of green energy. <i>Chemosphere</i> , 2022, 290, 133295.	8.2	22
88	Bio-functionalized zinc oxide nanoparticles: Potential toxicity impact on freshwater fish <i>Cyprinus carpio</i> . <i>Chemosphere</i> , 2022, 290, 133220.	8.2	19
89	A recent advancement on nanomaterials for electrochemical sensing of sulfamethoxazole and its futuristic approach. <i>Chemosphere</i> , 2022, 290, 133115.	8.2	12
90	Remediation of emerging metal pollutants using environment friendly biochar- Review on applications and mechanism. <i>Chemosphere</i> , 2022, 290, 133384.	8.2	43

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91	A comprehensive review on sources, analysis and toxicity of environmental pollutants and its removal methods from water environment. <i>Science of the Total Environment</i> , 2022, 812, 152456.	8.0	53
92	Polyvinylpyrrolidone-assisted novel copper antimony sulfide nanorods for highly efficient hydrogen evolution reaction. <i>Fuel</i> , 2022, 314, 123096.	6.4	8
93	Recycled mesoporous magnetic composites with high surface area derived from plastic and de-oiled sludge wastes: An empirical comparison on their competitive performance for toxic Cr (VI) removal. <i>Chemosphere</i> , 2022, 292, 133375.	8.2	3
94	Removal of volatile organic carbon and heavy metals through microbial approach. , 2022, , 285-308.		0
95	Chemical, physical and biological methods to convert lignocellulosic waste into value-added products. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1129-1152.	16.2	67
96	Green synthesis of ZrO ₂ nanoparticles and nanocomposites for biomedical and environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1309-1331.	16.2	77
97	Hydrothermal Carbonization of Waste Sugarcane Bagasse for the Effective Removal of Emerging Contaminants from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	7
98	Tribological Properties of Carbon Nanotube and Carbon Nanofiber Blended Polyvinylidene Fluoride Sheets Laminated on Steel Substrates. <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-6.	2.4	4
99	Electrochemical Enhancement of Binary CuSe ₂ @MoSe ₂ Composite Nanorods for Supercapacitor Application. <i>Topics in Catalysis</i> , 2022, 65, 668-676.	2.8	7
100	Invasive plants as biosorbents for environmental remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1421-1451.	16.2	39
101	Microalgae as a potential sustainable solution to environment health. <i>Chemosphere</i> , 2022, 295, 133740.	8.2	1
102	New analytical strategies amplified with carbon-based nanomaterial for sensing food pollutants. <i>Chemosphere</i> , 2022, 295, 133847.	8.2	11
103	Degradation of toxic agrochemicals and pharmaceutical pollutants: Effective and alternative approaches toward photocatalysis. <i>Environmental Pollution</i> , 2022, 298, 118844.	7.5	78
104	Paper-based microfluidic colorimetric sensor on a 3D printed support for quantitative detection of nitrite in aquatic environments. <i>Environmental Research</i> , 2022, 208, 112745.	7.5	15
105	Carbon nanomaterials and its applications in pharmaceuticals: A brief review. <i>Chemosphere</i> , 2022, 294, 133731.	8.2	28
106	The role of sodium dodecyl sulfate mediated hydrothermal synthesis of MoS ₂ nanosheets for photocatalytic dye degradation and dye-sensitized solar cell application. <i>Chemosphere</i> , 2022, 294, 133725.	8.2	25
107	Scheelite-type Fe substituted SrWO ₄ for hydrogen evolution reaction under alkaline conditions. <i>Fuel</i> , 2022, 316, 123309.	6.4	4
108	Analysis and prediction of water quality using deep learning and auto deep learning techniques. <i>Science of the Total Environment</i> , 2022, 821, 153311.	8.0	48

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109	Electrochemical sensing system for the analysis of emerging contaminants in aquatic environment: A review. <i>Chemosphere</i> , 2022, 294, 133779.	8.2	44
110	Bio-derived catalysts for production of biodiesel: A review on feedstock, oil extraction methodologies, reactors and lifecycle assessment of biodiesel. <i>Fuel</i> , 2022, 316, 123379.	6.4	58
111	A critical review on the two-stage biohythane production and its viability as a renewable fuel. <i>Fuel</i> , 2022, 317, 123449.	6.4	18
112	Si@MXene/graphene crumbled spherical nanocomposites. <i>International Journal of Energy Research</i> , 2022, 46, 21548-21557.	4.5	3
113	Advanced catalysts and effect of operating parameters in ethanol dry reforming for hydrogen generation. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1695-1718.	16.2	15
114	A review on removal strategies of microorganisms from water environment using nanomaterials and their behavioural characteristics. <i>Chemosphere</i> , 2022, 295, 133915.	8.2	12
115	Facile preparation and characterization of MXene@Platinum nanocomposite for energy conversion applications. <i>Fuel</i> , 2022, 317, 123493.	6.4	13
116	Process amelioration for production of biohydrogen using mutated <i>Rhodobacter M 19</i> and <i>Enterobacter aerogenes</i> culture: Influence of nanoparticles. <i>Fuel</i> , 2022, 317, 123558.	6.4	5
117	Applicability of bio-synthesized nanoparticles in fungal secondary metabolites products and plant extracts for eliminating antibiotic-resistant bacteria risks in non-clinical environments. <i>Environmental Research</i> , 2022, 209, 112831.	7.5	25
118	One-Step Fabrication of Amino-Functionalized Fe ₃ O ₄ @SiO ₂ Core-Shell Magnetic Nanoparticles as a Potential Novel Platform for Removal of Cadmium (II) from Aqueous Solution. <i>Sustainability</i> , 2022, 14, 2290.	3.2	9
119	Nanochemistry approach for the fabrication of Fe and N co-decorated biomass-derived activated carbon frameworks: a promising oxygen reduction reaction electrocatalyst in neutral media. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 429-439.	9.1	171
120	Biocatalytic polymeric membranes to decrease biofilm fouling and remove organic contaminants in wastewater: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1897-1927.	16.2	11
121	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. <i>Food and Chemical Toxicology</i> , 2022, 164, 112961.	3.6	231
122	A review on agro-based materials on the separation of environmental pollutants from water system. <i>Chemical Engineering Research and Design</i> , 2022, 181, 423-457.	5.6	8
123	A review on bioremediation approach for heavy metal detoxification and accumulation in plants. <i>Environmental Pollution</i> , 2022, 301, 119035.	7.5	169
124	Functionalization of MXene-based nanomaterials for the treatment of micropollutants in aquatic system: A review. <i>Environmental Pollution</i> , 2022, 301, 119034.	7.5	24
125	Mycoremediation of lignocellulosic biorefinery sludge: A reinvigorating approach for organic contaminants remediation with simultaneous production of lignocellulolytic enzyme cocktail. <i>Bioresource Technology</i> , 2022, 351, 127012.	9.6	5
126	Synthesis, Computational and cytotoxicity studies of aryl hydrazones of β^2 -diketones: Selective Ni ²⁺ metal Responsive fluorescent chemosensors. <i>Chemosphere</i> , 2022, 297, 134150.	8.2	10

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127	Visible light stimulated binary nanostructure and defect enriched TiO ₂ -SnO ₂ for photocatalysis and antibacterial activity. <i>Materials Letters</i> , 2022, 316, 131998.	2.6	9
128	Bench scale production of methanol from crude glycerol (1,2,3-Propanetriol) using Zirconium loaded fluorine doped tin oxide. <i>Fuel</i> , 2022, 318, 123650.	6.4	2
129	Potential pre-treatment of lignocellulosic biomass for the enhancement of biomethane production through anaerobic digestion- A review. <i>Fuel</i> , 2022, 318, 123593.	6.4	27
130	Investigation on future perspectives of ex-situ biogenic methane generation from solid waste coal and coal washery rejects. <i>Fuel</i> , 2022, 318, 123497.	6.4	7
131	Detection and identification of hazardous organic pollutants from distillery wastewater by GC-MS analysis and its phytotoxicity and genotoxicity evaluation by using <i>Allium cepa</i> and <i>Cicer arietinum</i> L.. <i>Chemosphere</i> , 2022, 297, 134123.	8.2	14
132	Algal biofuels: Technological perspective on cultivation, fuel extraction and engineering genetic pathway for enhancing productivity. <i>Fuel</i> , 2022, 320, 123814.	6.4	14
133	Enhanced methane production by granular activated carbon: A review. <i>Fuel</i> , 2022, 320, 123903.	6.4	16
134	Advances in the application of immobilized enzyme for the remediation of hazardous pollutant: A review. <i>Chemosphere</i> , 2022, 299, 134390.	8.2	22
135	Development of lab-on-chip biosensor for the detection of toxic heavy metals: A review. <i>Chemosphere</i> , 2022, 299, 134427.	8.2	23
136	Insights on synthesis and applications of graphene-based materials in wastewater treatment: A review. <i>Chemosphere</i> , 2022, 298, 134284.	8.2	25
137	Advancements on sustainable microbial fuel cells and their future prospects: A review. <i>Environmental Research</i> , 2022, 210, 112930.	7.5	26
138	Removal of toxic heavy metals using genetically engineered microbes: Molecular tools, risk assessment and management strategies. <i>Chemosphere</i> , 2022, 298, 134341.	8.2	31
139	Facile hydrothermal synthesis of MXene@antimony nanoneedle composites for toxic pollutants removal. <i>Environmental Research</i> , 2022, 210, 112904.	7.5	11
140	Surfactant induced copper vanadate (β-Cu ₂ V ₂ O ₇ , Cu ₃ V ₂ O ₈) for different textile dyes degradation. <i>Environmental Research</i> , 2022, 211, 112964.	7.5	6
141	Novel cobalt doped hafnium oxide/reduced graphene oxide nanosphere composite materials exhibit superior supercapacitor performance and long cyclic stability. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102167.	2.7	4
142	Review on biopolymers and composites “Evolving material as adsorbents in removal of environmental pollutants. <i>Environmental Research</i> , 2022, 212, 113114.	7.5	87
143	Halides and oxyhalides-based photocatalysts for abatement of organic water contaminants “An overview. <i>Environmental Research</i> , 2022, 212, 113149.	7.5	12
144	Production of hydrogen and value-added carbon materials by catalytic methane decomposition: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2339-2359.	16.2	23

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145	Recent review on electron transport layers in perovskite solar cells. International Journal of Energy Research, 2022, 46, 21441-21451.	4.5	24
146	A Preliminary Study on Detection of Serogenic E.coli in Fishes to Conduct a Microbial Assessment of Coastal Water. ECS Transactions, 2022, 107, 3863-3873.	0.5	0
147	Ultrasonic Functionalized Egg Shell Powder for the Adsorption of Cationic Dye: Equilibrium and Kinetic Studies. Adsorption Science and Technology, 2022, 2022, .	3.2	5
148	Static and dynamic analysis of sulfamethoxazole using GO/ZnO modified glassy carbon electrode by differential pulse voltammetry and amperometry techniques. Chemosphere, 2022, 302, 134926.	8.2	7
149	Prediction of bio-heat and mass transportation in radiative MHD Walter-B nanofluid using MANFIS model. Mathematics and Computers in Simulation, 2022, 201, 49-67.	4.4	6
150	Heat transfer effect of SiC-GN hybrid nanocomposite with viscoplastic fluid in aircraft jet engine hoses. Sustainable Energy Technologies and Assessments, 2022, 52, 102297.	2.7	1
151	Sodium alginate/magnetic hydrogel microspheres from sugarcane bagasse for removal of sulfamethoxazole from sewage water: Batch and column modeling. Environmental Pollution, 2022, 307, 119523.	7.5	12
152	Green synthesis of curcumin-silver nanoparticle and its modified electrode assisted amperometric sensor for the determination of paracetamol. Chemosphere, 2022, 303, 134994.	8.2	11
153	A critical and recent developments on adsorption technique for removal of heavy metals from wastewater-A review. Chemosphere, 2022, 303, 135146.	8.2	110
154	Fabrication and characterization of magnetic nanomaterials for the removal of toxic pollutants from water environment: A review. Chemosphere, 2022, 303, 135067.	8.2	10
155	Microbial pullulan for food, biomedicine, cosmetic, and water treatment: a review. Environmental Chemistry Letters, 2022, 20, 3199-3234.	16.2	7
156	Extraction techniques in food industry: Insights into process parameters and their optimization. Food and Chemical Toxicology, 2022, 166, 113207.	3.6	8
157	Effective adsorption of crystal violet onto aromatic polyimides: Kinetics and isotherm studies. Chemosphere, 2022, 304, 135332.	8.2	14
158	Recent advances in electrochemical sensor developments for detecting emerging pollutant in water environment. Chemosphere, 2022, 304, 135331.	8.2	23
159	Laccase production by Pleurotus ostreatus using cassava waste and its application in remediation of phenolic and polycyclic aromatic hydrocarbon-contaminated lignocellulosic biorefinery wastewater. Environmental Pollution, 2022, 309, 119729.	7.5	10
160	Plant-mediated gold and silver nanoparticles as detectors of heavy metal contamination. Food and Chemical Toxicology, 2022, 167, 113271.	3.6	15
161	A review on synthesis methods and recent applications of nanomaterial in wastewater treatment: Challenges and future perspectives. Chemosphere, 2022, 307, 135713.	8.2	27
162	Engineering microbes for enhancing the degradation of environmental pollutants: A detailed review on synthetic biology. Environmental Research, 2022, 214, 113868.	7.5	13

#	ARTICLE	IF	CITATIONS
163	Biochar derived carbonaceous material for various environmental applications: Systematic review. Environmental Research, 2022, 214, 113857.	7.5	36
164	Conversion of waste plastics into low emissive hydrocarbon fuel using catalyst produced from biowaste. Environmental Science and Pollution Research, 2021, 28, 63638-63645.	5.3	9
165	Evaluation of mechanical, optical and thermal properties of PVA nanocomposites embedded with Fe ₂ O ₃ nanofillers and the investigation of their thermal decomposition characteristics under non-isothermal heating condition. Polymer Bulletin, 2021, 78, 2191-2210.	3.3	17
166	Magnetite encapsulated alginates tailored material for the sustainable treatment of electroplating industrial wastewater: column dynamics and mass transfer studies. Clean Technologies and Environmental Policy, 2021, 23, 89-102.	4.1	2
167	A fuzzy cognitive map approach to predict the hazardous effects of malathion to environment (air, water, soil). Environmental Science and Pollution Research, 2021, 28, 63638-63645.	8.2	25
168	Analysis and removal of pharmaceutical residues from wastewater using membrane bioreactors: a review. Environmental Chemistry Letters, 2021, 19, 329-343.	16.2	32
169	A review on biosynthesis of metal nanoparticles and its environmental applications. Chemosphere, 2021, 264, 128580.	8.2	227
170	Adsorptive separation of toxic metals from aquatic environment using agro waste biochar: Application in electroplating industrial wastewater. Chemosphere, 2021, 262, 128031.	8.2	77
171	A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives. International Journal of Hydrogen Energy, 2021, 46, 16734-16750.	7.1	63
172	Theoretical analysis of the heat transfer effect of viscoplastic nanofluids in process intensified chemical systems. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108227.	3.6	0
173	Recent developments in photocatalytic remediation of textile effluent using semiconductor based nanostructured catalyst: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104881.	6.7	75
174	Adsorption characteristics of magnetic nanoparticles coated mixed fungal biomass for toxic Cr(VI) ions in aquatic environment. Chemosphere, 2021, 267, 129226.	8.2	83
175	Enhanced photocatalytic degradation of diclofenac by Sn _{0.15} Mn _{0.85} Fe ₂ O ₄ catalyst under solar light. Journal of Environmental Chemical Engineering, 2021, 9, 104875.	6.7	19
176	Hydrothermal production of algal biochar for environmental and fertilizer applications: a review. Environmental Chemistry Letters, 2021, 19, 1025-1042.	16.2	27
177	Food preservation techniques and nanotechnology for increased shelf life of fruits, vegetables, beverages and spices: a review. Environmental Chemistry Letters, 2021, 19, 1715-1735.	16.2	93
178	A review on new aspects of lipopeptide biosurfactant: Types, production, properties and its application in the bioremediation process. Journal of Hazardous Materials, 2021, 407, 124827.	12.4	86
179	Investigation of magnetic silica nanocomposite immobilized Pseudomonas fluorescens as a biosorbent for the effective sequestration of Rhodamine B from aqueous systems. Environmental Pollution, 2021, 269, 116173.	7.5	63
180	Enhanced adsorptive removal of sulfamethoxazole from water using biochar derived from hydrothermal carbonization of sugarcane bagasse. Journal of Hazardous Materials, 2021, 407, 124825.	12.4	171

#	ARTICLE	IF	CITATIONS
181	Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review. Environmental Chemistry Letters, 2021, 19, 1043-1063.	16.2	38
182	A review on effective removal of emerging contaminants from aquatic systems: Current trends and scope for further research. Journal of Hazardous Materials, 2021, 409, 124413.	12.4	309
183	Methods of detection of food-borne pathogens: a review. Environmental Chemistry Letters, 2021, 19, 189-207.	16.2	98
184	Enhancement of ultrasound assisted aqueous extraction of polyphenols from waste fruit peel using dimethyl sulfoxide as surfactant: Assessment of kinetic models. Chemosphere, 2021, 263, 128071.	8.2	26
185	Sustainable approach to decolourize methyl orange dye from aqueous solution using novel bacterial strain and its metabolites characterization. Clean Technologies and Environmental Policy, 2021, 23, 173-181.	4.1	41
186	Production of optically pure lactic acid by microbial fermentation: a review. Environmental Chemistry Letters, 2021, 19, 539-556.	16.2	72
187	Techniques of lipid extraction from microalgae for biofuel production: a review. Environmental Chemistry Letters, 2021, 19, 231-251.	16.2	61
188	Photocatalysis for removal of environmental pollutants and fuel production: a review. Environmental Chemistry Letters, 2021, 19, 441-463.	16.2	140
189	Treatment of textile wastewater using biochar produced from agricultural waste. , 2021, , 187-208.		2
190	Water Footprint in Leather Tanning and Steel Production. Environmental Footprints and Eco-design of Products and Processes, 2021, , 137-156.	1.1	1
191	Sustainability in Textile Design. Sustainable Textiles, 2021, , 39-51.	0.7	1
192	Development of Renewable Energies and Its Consequences on the Ecological Footprint. Environmental Footprints and Eco-design of Products and Processes, 2021, , 95-108.	1.1	1
193	Treatment of Textile Wastewater Using Biochar Produced from Agricultural Waste. Sustainable Textiles, 2021, , 205-223.	0.7	0
194	Circular Economy: An Insightful Tool for Sustainable Management of Wastewater. Environmental Footprints and Eco-design of Products and Processes, 2021, , 203-220.	1.1	0
195	Sustainable Approach on the Treatment of Textile Wastewater Using Membrane Techniques. Sustainable Textiles, 2021, , 89-102.	0.7	0
196	Hydrological contaminant transport. , 2021, , 235-250.		0
197	Industrial Water Footprint: Case Study on Textile Industries. Environmental Footprints and Eco-design of Products and Processes, 2021, , 35-60.	1.1	4
198	Environmental and health effects of nanomaterials. , 2021, , 701-711.		0

#	ARTICLE	IF	CITATIONS
199	Wastewater biodegradability: Selection of a treatment technology. , 2021, , 235-246.		1
200	Carbon nanocomposites for wastewater treatment. , 2021, , 215-234.		0
201	Sustainable adsorbents for the removal of pesticides from water: a review. Environmental Chemistry Letters, 2021, 19, 2425-2463.	16.2	61
202	A review on critical assessment of advanced bioreactor options for sustainable hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 7113-7136.	7.1	38
203	A Performance Comparison of Anaerobic and an Integrated Anaerobic-Aerobic Biological Reactor System for the Effective Treatment of Textile Wastewater. International Journal of Chemical Engineering, 2021, 2021, 1-15.	2.4	14
204	Intensification of heat and mass transfer process in MHD carreau nanofluid flow containing gyrotactic microorganisms. Chemical Engineering and Processing: Process Intensification, 2021, 160, 108299.	3.6	34
205	Effective removal of excessive fluoride from aqueous environment using activated pods of Bauhinia variegata: Batch and dynamic analysis. Environmental Pollution, 2021, 272, 115969.	7.5	16
206	Efficient electrophoretic deposition of an intensification process to enhance the mechanical properties of glass fibre reinforced polymer. Chemical Engineering and Processing: Process Intensification, 2021, 160, 108298.	3.6	1
207	Techniques and modeling of polyphenol extraction from food: a review. Environmental Chemistry Letters, 2021, 19, 3409-3443.	16.2	107
208	pH Sensitivity Estimation in Potentiometric Metal Oxide pH Sensors Using the Principle of Invariance. International Journal of Chemical Engineering, 2021, 2021, 1-18.	2.4	3
209	Treatment of methanol industry effluent using algal biomass, Gelidium omanense- kinetic modeling. Chemical Engineering Journal Advances, 2021, 5, 100068.	5.2	8
210	Guest editorial: Clean technologies for sustainable environment 2019. IET Nanobiotechnology, 2021, 15, 147-148.	3.8	0
211	Advanced techniques to remove phosphates and nitrates from waters: a review. Environmental Chemistry Letters, 2021, 19, 3165-3180.	16.2	44
212	The war using microbes: A sustainable approach for wastewater management. Environmental Pollution, 2021, 275, 116598.	7.5	31
213	Fabrication of Poly (Acrylonitrile-Co-Methyl Methacrylate) Nanofibers Containing Boron via Electrospinning Method: A Study on Size Distribution, Thermal, Crystalline, and Mechanical Strength Properties. Sustainability, 2021, 13, 4342.	3.2	1
214	Effective removal of Cr(VI) ions from synthetic solution using mixed biomasses: Kinetic, equilibrium and thermodynamic study. Journal of Water Process Engineering, 2021, 40, 101905.	5.6	30
215	A review on cleaner approach for effective separation of toxic pollutants from wastewater using carbon Spheres™ as adsorbent: Preparation, activation and applications. Journal of Cleaner Production, 2021, 291, 125911.	9.3	28
216	Sustainable strategy for the enhancement of hazardous aromatic amine degradation using lipopeptide biosurfactant isolated from Brevibacterium casei. Journal of Hazardous Materials, 2021, 408, 124943.	12.4	24

#	ARTICLE	IF	CITATIONS
217	Microbial degradation of recalcitrant pesticides: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3209-3228.	16.2	58
218	Metabolic and molecular modelling of zebrafish gut biome to unravel antimicrobial peptides through metagenomics. <i>Microbial Pathogenesis</i> , 2021, 154, 104862.	2.9	4
219	A review on algal-bacterial symbiotic system for effective treatment of wastewater. <i>Chemosphere</i> , 2021, 271, 129540.	8.2	121
220	A review on cleaner strategies for extraction of chitosan and its application in toxic pollutant removal. <i>Environmental Research</i> , 2021, 196, 110996.	7.5	54
221	Ultrasonic assisted agro waste biomass for rapid removal of Cd(II) ions from aquatic environment: Mechanism and modelling analysis. <i>Chemosphere</i> , 2021, 271, 129484.	8.2	23
222	A review on conventional and novel materials towards heavy metal adsorption in wastewater treatment application. <i>Journal of Cleaner Production</i> , 2021, 296, 126589.	9.3	628
223	Sulphonamide: Distribution, Toxicology, Environmental Characteristics, and Analysis - A Review. <i>Current Analytical Chemistry</i> , 2021, 17, 590-602.	1.2	1
224	Biochar promotes methane production during anaerobic digestion of organic waste. <i>Environmental Chemistry Letters</i> , 2021, 19, 3557-3564.	16.2	24
225	Microwave pyrolysis of coal, biomass and plastic waste: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3609-3629.	16.2	56
226	CO ₂ Reforming of CH ₄ on Mesoporous Alumina-Supported Cobalt Catalyst: Optimization of Lanthana Promoter Loading. <i>Topics in Catalysis</i> , 2021, 64, 338-347.	2.8	8
227	Simultaneous removal of Cu(II) and reactive green 6 dye from wastewater using immobilized mixed fungal biomass and its recovery. <i>Chemosphere</i> , 2021, 271, 129519.	8.2	53
228	Rare earth metal (Sm) doped zinc ferrite (ZnFe ₂ O ₄) for improved photocatalytic elimination of toxic dye from aquatic system. <i>Environmental Research</i> , 2021, 197, 111047.	7.5	49
229	Performance study on adsorptive removal of acetaminophen from wastewater using silica microspheres: Kinetic and isotherm studies. <i>Chemosphere</i> , 2021, 272, 129896.	8.2	28
230	Kinetic modelling of high turbid water flocculation using native and surface functionalized coagulants prepared from shed-leaves of <i>Avicennia marina</i> plants. <i>Chemosphere</i> , 2021, 272, 129894.	8.2	8
231	Effective removal of malachite green dye from aqueous solution in hybrid system utilizing agricultural waste as particle electrodes. <i>Chemosphere</i> , 2021, 273, 129634.	8.2	42
232	Cobalt and nickel oxides supported activated carbon as an effective photocatalysts for the degradation Methylene Blue dye from aquatic environment. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100406.	3.3	38
233	Process intensified microwave absorption nanocomposite for stealth application. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 163, 108333.	3.6	2
234	Theoretical calculation of biogas production and greenhouse gas emission reduction potential of livestock, poultry and slaughterhouse waste in Bangladesh. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105204.	6.7	45

#	ARTICLE	IF	CITATIONS
235	Effectiveness of a biogenic composite derived from cattle horn core/iron nanoparticles via wet chemical impregnation for cadmium (II) removal in aqueous solution. <i>Chemosphere</i> , 2021, 272, 129806.	8.2	8
236	The unfurl of the coronavirus and its thwack on humans and the environment: a review. <i>Current Opinion in Environmental Science and Health</i> , 2021, 24, 100289.	4.1	3
237	Adsorptive Removal of Malachite Green Dye onto Coal-Associated Soil and Conditions Optimization. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-11.	3.2	11
238	An effective separation of toxic arsenic from aquatic environment using electrochemical ion exchange process. <i>Journal of Hazardous Materials</i> , 2021, 412, 125240.	12.4	57
239	A comprehensive review on different approaches for CO ₂ utilization and conversion pathways. <i>Chemical Engineering Science</i> , 2021, 236, 116515.	3.8	190
240	Endophytic fungus <i>Diaporthe caatingaensis</i> MT192326 from <i>Buchanania axillaris</i> : An indicator to produce biocontrol agents in plant protection. <i>Environmental Research</i> , 2021, 197, 111147.	7.5	9
241	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell Co ₃ O ₄ @MOF-74 nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 174-185.	9.4	307
242	Modeling analysis on the effective elimination of toxic pollutant from aquatic environment using pyrolysis assisted palmyra palm male inflorescence. <i>Environmental Research</i> , 2021, 197, 111146.	7.5	15
243	Utilization of Ag ₂ O-Al ₂ O ₃ -ZrO ₂ decorated onto rGO as adsorbent for the removal of Congo red from aqueous solution. <i>Environmental Research</i> , 2021, 197, 111179.	7.5	38
244	Recent advancements of spinel ferrite based binary nanocomposite photocatalysts in wastewater treatment. <i>Chemosphere</i> , 2021, 274, 129734.	8.2	86
245	Application of adsorption process for effective removal of emerging contaminants from water and wastewater. <i>Environmental Pollution</i> , 2021, 280, 116995.	7.5	238
246	Graphene-based materials for environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3631-3644.	16.2	34
247	Quercetin-rGO based mercury-free electrode for the determination of toxic Cd (II) and Pb (II) ions using DPASV technique. <i>Environmental Research</i> , 2021, 202, 111707.	7.5	13
248	Anionic surfactant assisted copper hydroxide for toxic dye removal from wastewater. <i>Environmental Research</i> , 2021, 199, 111310.	7.5	4
249	Stimulation of <i>Bacillus</i> sp. by lipopeptide biosurfactant for the degradation of aromatic amine 4-Chloroaniline. <i>Journal of Hazardous Materials</i> , 2021, 415, 125716.	12.4	12
250	Bioenergy recovery potential through the treatment of the meat processing industry waste in Australia. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105657.	6.7	15
251	Anammox bacteria in treating ammonium rich wastewater: Recent perspective and appraisal. <i>Bioresource Technology</i> , 2021, 334, 125240.	9.6	59
252	Assessing the Plant Phytoremediation Efficacy for <i>Azolla filiculoides</i> in the Treatment of Textile Effluent and Redemption of Congo Red Dye onto <i>Azolla</i> Biomass. <i>Sustainability</i> , 2021, 13, 9588.	3.2	7

#	ARTICLE	IF	CITATIONS
253	Removal of emerging pollutants from aquatic system using electrochemical treatment and adsorption: Comparison and analysis. <i>Environmental Technology and Innovation</i> , 2021, 23, 101754.	6.1	12
254	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021, 277, 130328.	8.2	56
255	Mixed biosorbent of agro waste and bacterial biomass for the separation of Pb(II) ions from water system. <i>Chemosphere</i> , 2021, 277, 130236.	8.2	70
256	A review on remedial measures for effective separation of emerging contaminants from wastewater. <i>Environmental Technology and Innovation</i> , 2021, 23, 101741.	6.1	38
257	Heat and Mass Transfer Enhancement of MHD Hybrid Nanofluid Flow in the Presence of Activation Energy. <i>International Journal of Chemical Engineering</i> , 2021, 2021, 1-12.	2.4	28
258	Evaluation of phase transfer kinetics and thermodynamic equilibria of Reactive Orange 16 sorption onto chemically improved <i>Arachis hypogaea</i> pod powder. <i>Chemosphere</i> , 2021, 276, 130136.	8.2	26
259	Biogas upgrading, economy and utilization: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 4137-4164.	16.2	71
260	Influence of tin (Sn) doping on Co ₃ O ₄ for enhanced photocatalytic dye degradation. <i>Chemosphere</i> , 2021, 277, 130325.	8.2	51
261	Statistical analysis of adsorption isotherm models and its appropriate selection. <i>Chemosphere</i> , 2021, 276, 130176.	8.2	125
262	Sustainable removal of cadmium from contaminated water using green alga “ Optimization, characterization and modeling studies. <i>Environmental Research</i> , 2021, 199, 111364.	7.5	32
263	Nickel and cobalt co-doped MnCO ₃ nanostructures for water oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2021, , .	7.1	1
264	Effect of shape and anthocyanin capping on antibacterial activity of CuI particles. <i>Environmental Research</i> , 2021, 200, 111759.	7.5	8
265	Perspective of Spirulina culture with wastewater into a sustainable circular bioeconomy. <i>Environmental Pollution</i> , 2021, 284, 117492.	7.5	55
266	Hydrogen free direct growth carbon nanorod as a promising electrode in symmetric supercapacitor applications. <i>Progress in Organic Coatings</i> , 2021, 158, 106379.	3.9	6
267	Structural, functional, resistome and pathogenicity profiling of the Cooum river. <i>Microbial Pathogenesis</i> , 2021, 158, 105048.	2.9	8
268	A review on sources, identification and treatment strategies for the removal of toxic Arsenic from water system. <i>Journal of Hazardous Materials</i> , 2021, 418, 126299.	12.4	113
269	Surface modified polymer-magnetic-algae nanocomposite for the removal of chromium- equilibrium and mechanism studies. <i>Environmental Research</i> , 2021, 201, 111626.	7.5	47
270	A review on catalytic-enzyme degradation of toxic environmental pollutants: Microbial enzymes. <i>Journal of Hazardous Materials</i> , 2021, 419, 126451.	12.4	129

#	ARTICLE	IF	CITATIONS
271	Micro algal biodiesel synthesized from <i>Monoraphidium</i> sp., and <i>Chlorella sorokiniana</i> : Feasibility and emission parameter studies. <i>Fuel</i> , 2021, 301, 121063.	6.4	13
272	Efficient photocatalytic degradation of hazardous pollutants by homemade kitchen blender novel technique via 2D-material of few-layer MXene nanosheets. <i>Chemosphere</i> , 2021, 281, 130984.	8.2	34
273	Visible light driven exotic p (CuO) - n (TiO ₂) heterojunction for the photodegradation of 4-chlorophenol and antibacterial activity. <i>Environmental Pollution</i> , 2021, 287, 117304.	7.5	42
274	Analysis and microbial degradation of Low-Density Polyethylene (LDPE) in Winogradsky column. <i>Environmental Research</i> , 2021, 201, 111646.	7.5	17
275	Advances in biosorbents for removal of environmental pollutants: A review on pretreatment, removal mechanism and future outlook. <i>Journal of Hazardous Materials</i> , 2021, 420, 126596.	12.4	72
276	Application of biomass derived products in mid-size automotive industries: A review. <i>Chemosphere</i> , 2021, 280, 130723.	8.2	32
277	Ethylene glycol assisted MnCO ₃ electrocatalyst for water oxidation and hydrogen production application. <i>Fuel</i> , 2021, 302, 121151.	6.4	5
278	Non-Newtonian nanofluids flow analysis at the ingress section in process intensified system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 167, 108518.	3.6	2
279	Annealing temperature effect on cobalt ferrite nanoparticles for photocatalytic degradation. <i>Chemosphere</i> , 2021, 281, 130903.	8.2	54
280	Investigation of electrochemical performance of an efficient TiO ₂ @CeO ₂ nanocomposite for enhanced pollution-free energy conversion applications. <i>Journal of Environmental Management</i> , 2021, 295, 113138.	7.8	3
281	Sustainable approach on removal of toxic metals from electroplating industrial wastewater using dissolved air flotation. <i>Journal of Environmental Management</i> , 2021, 295, 113147.	7.8	37
282	Eco-friendly pH detecting paper-based analytical device: Towards process intensification. <i>Analytica Chimica Acta</i> , 2021, 1182, 338953.	5.4	15
283	Analysis on the removal of emerging contaminant from aqueous solution using biochar derived from soap nut seeds. <i>Environmental Pollution</i> , 2021, 287, 117632.	7.5	55
284	Conversion of food waste to energy: A focus on sustainability and life cycle assessment. <i>Fuel</i> , 2021, 302, 121069.	6.4	62
285	Plant-microbe interactions implicated in the production of camptothecin – An anticancer biometabolite from <i>Phyllosticta elongata</i> MH458897 a novel endophytic strain isolated from medicinal plant of Western Ghats of India. <i>Environmental Research</i> , 2021, 201, 111564.	7.5	9
286	Effective water/wastewater treatment methodologies for toxic pollutants removal: Processes and applications towards sustainable development. <i>Chemosphere</i> , 2021, 280, 130595.	8.2	397
287	A review on the microbial degradation of chlorpyrifos and its metabolite TCP. <i>Chemosphere</i> , 2021, 283, 131447.	8.2	69
288	Hydrothermally synthesized γ -MnS nanostructures for electrochemical water oxidation and photocatalytic hydrogen production. <i>Fuel</i> , 2021, 303, 121293.	6.4	18

#	ARTICLE	IF	CITATIONS
289	Photocatalytic disinfection of micro-organisms: Mechanisms and applications. <i>Environmental Technology and Innovation</i> , 2021, 24, 101909.	6.1	27
290	Analysis and effective separation of toxic pollutants from water resources using MBBR: Pathway prediction using alkaliphilic <i>P. mendocina</i> . <i>Science of the Total Environment</i> , 2021, 797, 149135.	8.0	6
291	Application of alkaline MnP immobilized <i>Luffa</i> fibers in mixed azo dyes degradation. <i>Environmental Technology and Innovation</i> , 2021, 24, 101964.	6.1	6
292	Critical review on hazardous pollutants in water environment: Occurrence, monitoring, fate, removal technologies and risk assessment. <i>Science of the Total Environment</i> , 2021, 797, 149134.	8.0	233
293	Optimization strategies of alkaline thermo-chemical pretreatment for the enhancement of biogas production from de-oiled algae. <i>Fuel</i> , 2021, 303, 121242.	6.4	23
294	Automating water quality analysis using ML and auto ML techniques. <i>Environmental Research</i> , 2021, 202, 111720.	7.5	9
295	Surface improved agro-based material for the effective separation of toxic Ni(II) ions from aquatic environment. <i>Chemosphere</i> , 2021, 283, 131215.	8.2	8
296	Adsorptive removal of Pb(II) ions onto surface modified adsorbents derived from <i>Cassia fistula</i> seeds: Optimization and modelling study. <i>Chemosphere</i> , 2021, 283, 131276.	8.2	30
297	Micro-patterned graphite electrodes: An analysis and optimization of process parameters on hydrogen evolution in water electrolysis. <i>Fuel</i> , 2021, 305, 121542.	6.4	8
298	Acenaphthene adsorption onto ultrasonic assisted fatty acid mediated porous activated carbon-characterization, isotherm and kinetic studies. <i>Chemosphere</i> , 2021, 284, 131249.	8.2	20
299	Biohydrogen from organic wastes as a clean and environment-friendly energy source: Production pathways, feedstock types, and future prospects. <i>Bioresource Technology</i> , 2021, 342, 126021.	9.6	68
300	A review on recent advancements in photocatalytic remediation for harmful inorganic and organic gases. <i>Chemosphere</i> , 2021, 284, 131344.	8.2	35
301	Biohythane as a high potential fuel from anaerobic digestion of organic waste: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111700.	16.4	21
302	Kinetics, equilibrium and thermodynamic investigations of methylene blue dye removal using <i>Casuarina equisetifolia</i> pines. <i>Chemosphere</i> , 2021, 285, 131480.	8.2	59
303	Direct growth of multilayered graphene nanofibers by chemical vapour deposition and their binder-free electrodes for symmetric supercapacitor devices. <i>Progress in Organic Coatings</i> , 2021, 161, 106511.	3.9	3
304	Fluorine-implanted indium-gallium-zinc oxide (IGZO) chemiresistor sensor for high-response NO ₂ detection. <i>Chemosphere</i> , 2021, 284, 131287.	8.2	14
305	A review on nano-catalysts and biochar-based catalysts for biofuel production. <i>Fuel</i> , 2021, 306, 121632.	6.4	53
306	Advantage of conductive materials on interspecies electron transfer-independent acetoclastic methanogenesis: A critical review. <i>Fuel</i> , 2021, 305, 121577.	6.4	24

#	ARTICLE	IF	CITATIONS
307	A review on adsorptive separation of toxic metals from aquatic system using biochar produced from agro-waste. <i>Chemosphere</i> , 2021, 285, 131438.	8.2	59
308	Sequestration of toxic Pb(II) ions using ultrasonic modified agro waste: Adsorption mechanism and modelling study. <i>Chemosphere</i> , 2021, 285, 131502.	8.2	14
309	Hexamethylenetetramine concentration effect on CaWO ₄ for electrochemical hydrogen evolution reaction activity. <i>Fuel</i> , 2021, 306, 121781.	6.4	7
310	Occurrence and removal of antibiotics from industrial wastewater. <i>Environmental Chemistry Letters</i> , 2021, 19, 1477-1507.	16.2	60
311	Enzyme-loaded nanoparticles for the degradation of wastewater contaminants: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2331-2350.	16.2	33
312	Application of Life Cycle Sustainability Assessment to Evaluate the Future Energy Crops for Sustainable Energy and Bioproducts. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2021, , 57-80.	1.1	1
313	Bioelectrochemical Systems for Remediation and Recovery of Nutrients From Industrial Wastewater. , 2021, , 445-474.		1
314	Efficient techniques for the removal of toxic heavy metals from wastewater. , 2021, , 611-630.		0
315	Adsorbents based on chemically modified natural polymers. , 2021, , 223-241.		0
316	Performance evaluation and mechanism analysis of halotolerant bacterial strains and cerium oxide nanoparticle to degrade Benzo[a]pyrene. <i>Environmental Technology and Innovation</i> , 2021, 24, 101980.	6.1	4
317	Pesticides Pollution and Analysis in Water. <i>Sustainable Agriculture Reviews</i> , 2021, , 337-349.	1.1	2
318	Superhigh Adsorption of Cadmium(II) Ions onto Surface Modified Nano Zerovalent Iron Composite (CNS-nZVI): Characterization, Adsorption Kinetics and Isotherm Studies. <i>Chemistry and Chemical Technology</i> , 2021, 15, 457-464.	1.1	4
319	Investigation of pure and g-C ₃ N ₄ loaded CdWO ₄ photocatalytic activity on reducing toxic pollutants. <i>Chemosphere</i> , 2021, , 133090.	8.2	10
320	Analyzing the Cooling Rate and Its Effect on Distribution of Pattern and Size of the Titanium Diboride Particles Formed. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-6.	1.8	2
321	Fabrication of novel amine-functionalized magnetic silica nanoparticles for toxic metals: kinetic and isotherm modeling. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27202-27210.	5.3	16
322	Synthesis and application of porous oil-sorbent microspheres: Characterization, retention capacity and sorption kinetics. <i>Separation and Purification Technology</i> , 2020, 234, 116095.	7.9	15
323	Treatment of Dye Containing Wastewater Using Agricultural Biomass Derived Magnetic Adsorbents. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 149-169.	0.5	2
324	Modeling and Cr(VI) ion uptake kinetics of Sorghum bicolor plant assisted by plant growthâ€‘promoting Pannonibacter phragmetitus: an ecofriendly approach. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27307-27318.	5.3	5

#	ARTICLE	IF	CITATIONS
325	Adsorption of Cu(II) ions by modified horn core: Effect of temperature on adsorbent preparation and extended application in river water. <i>Journal of Molecular Liquids</i> , 2020, 298, 112023.	4.9	38
326	Potential of plant-based photosensitizers in dye-sensitized solar cell applications. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13351.	2.3	9
327	Solid waste biorefineries. , 2020, , 3-17.		2
328	Sources and operations of waste biorefineries. , 2020, , 111-133.		7
329	Food industry waste biorefineries. , 2020, , 407-426.		8
330	Rhizoremediation – A promising tool for the removal of soil contaminants: A review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103543.	6.7	58
331	Packed bed column optimization and modeling studies for removal of chromium ions using chemically modified <i>Lantana camara</i> adsorbent. <i>Journal of Water Process Engineering</i> , 2020, 33, 101069.	5.6	45
332	Enhancement in thermal, mechanical and electrical properties of novel PVA nanocomposite embedded with SrO nanofillers and the analysis of its thermal degradation behavior by nonisothermal approach. <i>Polymer Composites</i> , 2020, 41, 1277-1290.	4.6	15
333	A review on contamination and removal of sulfamethoxazole from aqueous solution using cleaner techniques: Present and future perspective. <i>Journal of Cleaner Production</i> , 2020, 250, 119553.	9.3	143
334	Adsorptive separation of Cu(II) ions from aqueous medium using thermally/chemically treated <i>Cassia fistula</i> based biochar. <i>Journal of Cleaner Production</i> , 2020, 249, 119390.	9.3	75
335	Performance of montmorillonite/graphene oxide/CoFe ₂ O ₄ as a magnetic and recyclable nanocomposite for cleaning methyl violet dye-laden wastewater. <i>Advanced Powder Technology</i> , 2020, 31, 3993-4004.	4.1	83
336	A review on three-dimensional eletrochemical systems: analysis of influencing parameters and cleaner approach mechanism for wastewater. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 873-896.	8.1	16
337	Molecular aspects of oligomer-coupled ultra-small Au nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 140, 109378.	4.0	3
338	Formulation and combinatorial effect of <i>Pseudomonas fluorescens</i> and <i>Bacillus coagulans</i> as biocontrol agents. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101868.	3.1	2
339	A critical review on the biochar production techniques, characterization, stability and applications for circular bioeconomy. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 28, e00570.	4.4	308
340	Bioconversion of municipal solid waste into bio-based products: A review on valorisation and sustainable approach for circular bioeconomy. <i>Science of the Total Environment</i> , 2020, 748, 141312.	8.0	83
341	Effective adsorption of Cu(II) ions on sustainable adsorbent derived from mixed biomass (<i>Aspergillus</i>) Tj ETQq1 1 0.784314 rgBT /Over Development, 2020, 11, 100460.	4.6	41
342	Valorization of Waste Algal Boom for Value-Added Products. <i>Handbook of Environmental Chemistry</i> , 2020, , 129-137.	0.4	1

#	ARTICLE	IF	CITATIONS
343	Plasmonic gold-copper alloy dimer as “nanorulers”™. AIP Conference Proceedings, 2020, , .	0.4	4
344	Practice on treating pharmaceutical compounds (antibiotics) present in wastewater using biosorption techniques with different biowaste compounds. A review. Environmental Progress and Sustainable Energy, 2020, 39, e13429.	2.3	18
345	Enhanced Zn(II) ion adsorption on surface modified mixed biomass “ Borassus flabellifer and Aspergillus tamarii: Equilibrium, kinetics and thermodynamics study. Industrial Crops and Products, 2020, 153, 112613.	5.2	53
346	Production of pigment using Aspergillus tamarii: New potentials for synthesizing natural metabolites. Environmental Technology and Innovation, 2020, 19, 100967.	6.1	9
347	Recent trends and challenges in bioleaching technologies. , 2020, , 373-388.		6
348	Conversion of green algal biomass into bioenergy by pyrolysis. A review. Environmental Chemistry Letters, 2020, 18, 829-849.	16.2	97
349	Optical, electrical, mechanical, and thermal properties and non-isothermal decomposition behavior of poly(vinyl alcohol)“ZnO nanocomposites. Iranian Polymer Journal (English Edition), 2020, 29, 411-422.	2.4	43
350	Rhamnolipid-assisted mycoremediation of polycyclic aromatic hydrocarbons by <i>Trametes hirsuta</i> coupled with enhanced ligninolytic enzyme production. Journal of the Air and Waste Management Association, 2020, 70, 1260-1267.	1.9	8
351	Microalgae for biofuel production and removal of heavy metals: a review. Environmental Chemistry Letters, 2020, 18, 1905-1923.	16.2	75
352	Rhizoremediation of Cu(II) ions from contaminated soil using plant growth promoting bacteria: an outlook on pyrolysis conditions on plant residues for methylene orange dye biosorption. Bioengineered, 2020, 11, 175-187.	3.2	20
353	A review on systematic approach for microbial enhanced oil recovery technologies: Opportunities and challenges. Journal of Cleaner Production, 2020, 258, 120777.	9.3	63
354	Membrane separation technologies for downstream processing. , 2020, , 389-400.		0
355	Cleaner strategies on the effective elimination of toxic chromium from wastewater using coupled electrochemical/biological systems. Environmental Progress and Sustainable Energy, 2020, 39, e13399.	2.3	11
356	Structural, Optical, Thermal and Non-isothermal Decomposition Behavior of PMMA Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2998-3013.	3.7	8
357	Electrodeionization theory, mechanism and environmental applications. A review. Environmental Chemistry Letters, 2020, 18, 1209-1227.	16.2	46
358	Effect of Antibiotics on the Microbial Efficiency of Anaerobic Digestion of Wastewater: A Review. Frontiers in Microbiology, 2020, 11, 611613.	3.5	38
359	Recent advancements in rapid analysis of pesticides using nano biosensors: A present and future perspective. Journal of Cleaner Production, 2020, 269, 122356.	9.3	61
360	Optimization and modeling of reactive yellow adsorption by surface modified Delonix regia seed: Study of nonlinear isotherm and kinetic parameters. Surfaces and Interfaces, 2020, 20, 100520.	3.0	40

#	ARTICLE	IF	CITATIONS
361	Amino- functionalised mesoporous silica microspheres for immobilisation of <i>Candida antarctica</i> lipase B – application towards greener production of 2,5-furandicarboxylic acid. IET Nanobiotechnology, 2020, 14, 732-738.	3.8	5
362	Bioremediation of 2,4-Diaminotoluene in Aqueous Solution Enhanced by Lipopeptide Biosurfactant Production from Bacterial Strains. Journal of Environmental Engineering, ASCE, 2020, 146, 04020069.	1.4	4
363	Properties of Recycled Polyester. Textile Science and Clothing Technology, 2020, , 1-14.	0.5	4
364	Facile hydrothermal bio-synthesis of cellulose acetate templated CuS nanorods like fibres: antibacterial, cytotoxicity effects and DNA cleavage properties against A549 lung cancer cells. IET Nanobiotechnology, 2020, 14, 47-52.	3.8	2
365	In silico and in vitro approaches to evaluate the bioactivity of Cassia auriculata L extracts. IET Nanobiotechnology, 2020, 14, 210-216.	3.8	2
366	Analytical Aspects of Biosensor Based on Enzyme Inhibition. Arts Studies and Criticism, 2020, , 17-35.	0.1	0
367	Enzyme Inhibition in Therapeutic Applications. Arts Studies and Criticism, 2020, , 5-16.	0.1	0
368	Filter paper loaded with gold nanoparticles as flexible SERS substrates for sensing applications. AIP Conference Proceedings, 2020, , .	0.4	1
369	Sustainability in Dyeing and Finishing. Sustainable Textiles, 2020, , 165-177.	0.7	2
370	Certifications for Sustainability in Footwear and Leather Sectors. Textile Science and Clothing Technology, 2020, , 181-197.	0.5	0
371	Environmental and Chemical Issues in Tanneries and Their Mitigation Measures. Textile Science and Clothing Technology, 2020, , 1-10.	0.5	3
372	CdO nanoparticles, c-MWCNT nanoparticles and CdO nanoparticles/c-MWCNT nanocomposite fibres: in vitro assessment of anti-proliferative and apoptotic studies in HeLa cancer cell line. IET Nanobiotechnology, 2020, 14, 695-700.	3.8	1
373	Bromate Formation in Drinking Water and Its Control Using Graphene Based Materials. , 2019, , 239-260.		1
374	Efficient Removal of Nitrate and Phosphate Using Graphene Nanocomposites. , 2019, , 287-307.		3
375	Redemption of acid fuchsin dye from wastewater using de-oiled biomass: Kinetics and isotherm analysis. Bioresource Technology Reports, 2019, 7, 100300.	2.7	30
376	Treatment of fluoride-contaminated water. A review. Environmental Chemistry Letters, 2019, 17, 1707-1726.	16.2	55
377	One pot Green Synthesis of Nano magnesium oxide-carbon composite: Preparation, characterization and application towards anthracene adsorption. Journal of Cleaner Production, 2019, 237, 117691.	9.3	56
378	Ultrasonic-assisted synthesis of Populus alba activated carbon for water defluorination: Application for real wastewater. Korean Journal of Chemical Engineering, 2019, 36, 1595-1603.	2.7	57

#	ARTICLE	IF	CITATIONS
379	In vitro evaluation of biodegradable nHAPâ€Chitosanâ€Gelatinâ€based scaffold for tissue engineering application. IET Nanobiotechnology, 2019, 13, 301-306.	3.8	6
380	Carbon Nanotube Composites. , 2019, 23, 75-81.		1
381	Advances in production and application of biochar from lignocellulosic feedstocks for remediation of environmental pollutants. Bioresource Technology, 2019, 292, 122030.	9.6	231
382	Insights of CMNPs in water pollution control. IET Nanobiotechnology, 2019, 13, 553-559.	3.8	12
383	Molecular characterization of chromium resistant gram-negative bacteria isolated from industrial effluent: Bioremedial activity. Journal of Industrial and Engineering Chemistry, 2019, 80, 640-646.	5.8	8
384	Separation and Purification of Nucleotides, Nucleosides, Purine and Pyrimidine Bases by Ion Exchange. , 2019, , 163-175.		0
385	Water and Textiles. , 2019, , 21-40.		9
386	A review on photochemical, biochemical and electrochemical transformation of CO2 into value-added products. Journal of CO2 Utilization, 2019, 33, 131-147.	6.8	303
387	A review on heavy metal pollution, toxicity and remedial measures: Current trends and future perspectives. Journal of Molecular Liquids, 2019, 290, 111197.	4.9	855
388	Characterization techniques for nanomaterials. , 2019, , 97-124.		36
389	Date Palm as a Healthy Food. Sustainable Agriculture Reviews, 2019, , 1-17.	1.1	3
390	Biogas Production from Date Palm Fruits. Sustainable Agriculture Reviews, 2019, , 79-103.	1.1	0
391	Modelling on the Removal of Dye from Industrial Wastewater Using Surface Improved Enteromorpha intestinalis. International Journal of Environmental Research, 2019, 13, 349-366.	2.3	19
392	An investigation of adsorption parameters on ZVI-AC nanocomposite in the displacement of Se(IV) ions through CCD analysis. Journal of Industrial and Engineering Chemistry, 2019, 75, 211-223.	5.8	17
393	Removal of colorants from wastewater: A review on sources and treatment strategies. Journal of Industrial and Engineering Chemistry, 2019, 75, 1-19.	5.8	375
394	Water withdrawal and conservationâ€Global scenario. , 2019, , 61-75.		1
395	A review on cleaner strategies for chromium industrial wastewater: Present research and future perspective. Journal of Cleaner Production, 2019, 228, 580-593.	9.3	235
396	Phytoremediation of Cr(VI) ion contaminated soil using Black gram (Vigna mungo): Assessment of removal capacity. Journal of Environmental Chemical Engineering, 2019, 7, 103052.	6.7	32

#	ARTICLE	IF	CITATIONS
397	Separation and Purification of Vitamins: Vitamins B1, B2, B6, C and K1. , 2019, , 177-187.		2
398	Introductionâ€™Water. , 2019, , 1-20.		3
399	Modelling on the removal of toxic metal ions from aquatic system by different surface modified Cassia fistula seeds. Bioresource Technology, 2019, 281, 1-9.	9.6	60
400	Analysis of entrance region flow of Bingham nanofluid in concentric annuli with rotating inner cylinder. Micro and Nano Letters, 2019, 14, 1361-1365.	1.3	8
401	Investigating the prospects of bacterial biosurfactants for metal nanoparticle synthesis â€™ a comprehensive review. IET Nanobiotechnology, 2019, 13, 243-249.	3.8	33
402	Polymer Electrolyte Membranes. , 2019, 23, 82-89.		0
403	Diffusion of Multiwall Carbon Nanotubes into Industrial Polymers. , 2019, 23, 213-221.		0
404	Ionic Polymer Metal Composites. , 2019, 23, 64-74.		0
405	Environmental Footprints of Waterâ€™Concepts, Tools, Importance and Challenges. Environmental Footprints and Eco-design of Products and Processes, 2019, , 1-20.	1.1	0
406	Energy Footprints of Food Products. Environmental Footprints and Eco-design of Products and Processes, 2019, , 1-18.	1.1	0
407	Energy Footprints of Textile Products. Environmental Footprints and Eco-design of Products and Processes, 2019, , 45-61.	1.1	0
408	Removal of toxic pollutants from water environment by phytoremediation: A survey on application and future prospects. Environmental Technology and Innovation, 2019, 13, 264-276.	6.1	168
409	Management of printed circuit boards by newly designed thermal pyrolytic process: Process optimization by RSM approach. Environmental Progress and Sustainable Energy, 2019, 38, 489-499.	2.3	4
410	Sustainable business strategies and circular economy. , 2019, , 149-167.		1
411	Systems and models for circular economy. , 2019, , 169-181.		5
412	Future for circular economy. , 2019, , 207-217.		4
413	Social Life Cycle Assessment of Renewable Bio-Energy Products. Environmental Footprints and Eco-design of Products and Processes, 2019, , 99-111.	1.1	0
414	Modelling on the removal of Cr(VI) ions from aquatic system using mixed biosorbent (Pseudomonas) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	4.9	45

#	ARTICLE	IF	CITATIONS
415	Water Footprint of Agricultural Products. Environmental Footprints and Eco-design of Products and Processes, 2019, , 1-19.	1.1	4
416	New Analytical Approaches for Pharmaceutical Wastewater Treatment Using Graphene Based Materials. , 2019, , 397-411.		2
417	Estimation of magnetohydrodynamic radiative nanofluid flow over a porous non-linear stretching surface: application in biomedical research. IET Nanobiotechnology, 2019, 13, 911-922.	3.8	5
418	ADSORPTION OF AN ANIONIC DYE ONTO NATIVE AND CHEMICALLY MODIFIED AGRICULTURAL WASTE. Environmental Engineering and Management Journal, 2019, 18, 257-270.	0.6	8
419	Soil Bioremediation Techniques. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 35-50.	0.4	4
420	Organic Cotton and Its Environmental Impacts. Textile Science and Clothing Technology, 2019, , 127-139.	0.5	0
421	Organic Cotton Versus Recycled Cotton Versus Sustainable Cotton. Textile Science and Clothing Technology, 2019, , 141-155.	0.5	0
422	Product Lifecycle in the Pharmaceutical Industry. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 112-132.	0.4	0
423	Agriculture Pollution. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 134-154.	0.4	4
424	Characteristics of Pharmaceutical Supply Chains. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 181-205.	0.4	0
425	Production Process in the Pharmaceutical Industry. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 158-179.	0.4	0
426	Water Pollutants and Their Removal Techniques. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 114-133.	0.4	0
427	Sustainable Dyeing Techniques. Textile Science and Clothing Technology, 2018, , 1-29.	0.5	4
428	Sustainability in Wastewater Treatment in Textiles Sector. Textile Science and Clothing Technology, 2018, , 67-97.	0.5	1
429	Kinetic and thermodynamic analysis for the redemption of effluents containing Solochrome Black T onto powdered activated carbon: A validation of new solid-liquid phase equilibrium model. Journal of Molecular Liquids, 2018, 259, 88-101.	4.9	50
430	Isolation, characterization and purification of xylanase producing bacteria from sea sediment. Biocatalysis and Agricultural Biotechnology, 2018, 13, 299-303.	3.1	17
431	Theoretical and experimental investigation on the removal of oil spill by selective sorbents. Journal of Industrial and Engineering Chemistry, 2018, 63, 1-11.	5.8	14
432	Modelling and analysis on the removal of methylene blue dye from aqueous solution using physically/chemically modified Ceiba pentandra seeds. Journal of Industrial and Engineering Chemistry, 2018, 62, 446-461.	5.8	36

#	ARTICLE	IF	CITATIONS
433	Polycyclic Aromatic Hydrocarbons from Petroleum Oil Industry Activities: Effect on Human Health and Their Biodegradation. <i>Energy, Environment, and Sustainability</i> , 2018, , 185-199.	1.0	24
434	Isolation, structure elucidation and anticancer activity from <i>Brevibacillus brevis</i> EGS 9 that combats Multi Drug Resistant actinobacteria. <i>Microbial Pathogenesis</i> , 2018, 115, 146-153.	2.9	7
435	Pesticides Bioremediation. <i>Energy, Environment, and Sustainability</i> , 2018, , 197-222.	1.0	12
436	Biosorption Strategies in the Remediation of Toxic Pollutants from Contaminated Water Bodies. <i>Energy, Environment, and Sustainability</i> , 2018, , 127-163.	1.0	4
437	Pecan shell based activated carbon for removal of iron(II) from fracking wastewater: Adsorption kinetics, isotherm and thermodynamic studies. <i>Chemical Engineering Research and Design</i> , 2018, 114, 107-122.	5.6	113
438	Evaluation of Next-Generation Sequencing Technologies for Environmental Monitoring in Wastewater Abatement. <i>Energy, Environment, and Sustainability</i> , 2018, , 29-52.	1.0	3
439	Green Chemistry in Textiles. <i>Textile Science and Clothing Technology</i> , 2018, , 53-73.	0.5	4
440	Modeling and analysis of a packed-bed column for the effective removal of zinc from aqueous solution using dual surface-modified biomass. <i>Particulate Science and Technology</i> , 2018, 36, 934-944.	2.1	18
441	Fast kinetics and high adsorption capacity of green extract capped superparamagnetic iron oxide nanoparticles for the adsorption of Ni(II) ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 230-241.	5.8	103
442	Hybrid synthesis of novel material through acid modification followed ultrasonication to improve adsorption capacity for zinc removal. <i>Journal of Cleaner Production</i> , 2018, 172, 92-105.	9.3	96
443	Carbon sphere: Synthesis, characterization and elimination of toxic Cr(VI) ions from aquatic system. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 307-320.	5.8	68
444	Eco-Friendly Treatment Strategies for Wastewater Containing Dyes and Heavy Metals. <i>Energy, Environment, and Sustainability</i> , 2018, , 317-360.	1.0	15
445	Influence of ultrasonic waves on preparation of active carbon from coffee waste for the reclamation of effluents containing Cr(VI) ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 418-430.	5.8	86
446	Treatment of dye wastewater using an ultrasonic aided nanoparticle stacked activated carbon: Kinetic and isotherm modelling. <i>Bioresource Technology</i> , 2018, 250, 716-722.	9.6	143
447	Biomining of Natural Resources. <i>Energy, Environment, and Sustainability</i> , 2018, , 313-342.	1.0	3
448	Chitosan as a biosorbent for adsorption of iron (II) from fracking wastewater. <i>Polymers for Advanced Technologies</i> , 2018, 29, 961-969.	3.2	26
449	New Tools and Techniques for Measuring Sustainability in Clothing. <i>Textile Science and Clothing Technology</i> , 2018, , 89-111.	0.5	0
450	Adsorption properties and mechanism of barium (II) and strontium (II) removal from fracking wastewater using pecan shell based activated carbon. <i>Journal of Cleaner Production</i> , 2018, 193, 1-13.	9.3	117

#	ARTICLE	IF	CITATIONS
451	Laser-Based Apparel Production. Textile Science and Clothing Technology, 2018, , 1-20.	0.5	0
452	Evaluation of environmental aspects of brew waste-based carbon production and its disposal scenario. Journal of Cleaner Production, 2018, 202, 244-252.	9.3	22
453	Sustainable Wet Processing“An Alternative Source for Detoxifying Supply Chain in Textiles. Textile Science and Clothing Technology, 2018, , 37-60.	0.5	16
454	Nano“zero valent iron impregnated cashew nut shell: a solution to heavy metal contaminated water/wastewater. IET Nanobiotechnology, 2018, 12, 591-599.	3.8	14
455	A Biological Approach for the Removal of Pharmaceutical Pollutants from Wastewater. , 2018, , 117-137.		1
456	Application of Biomaterials in Dye Wastewater Treatment. , 2018, , 131-158.		0
457	Characterization and Optimization Studies on Hydroxyapatite Bioceramic Powder from Waste Eggshells. , 2018, , 307-326.		0
458	Conversion of waste plastics into low-emissive hydrocarbon fuels through catalytic depolymerization in a new laboratory scale batch reactor. International Journal of Energy and Environmental Engineering, 2017, 8, 167-173.	2.5	41
459	Nanoscale zero-valent iron-impregnated agricultural waste as an effective biosorbent for the removal of heavy metal ions from wastewater. Textiles and Clothing Sustainability, 2017, 2, .	1.2	13
460	Computation of adsorption parameters for the removal of dye from wastewater by microwave assisted sawdust: Theoretical and experimental analysis. Environmental Toxicology and Pharmacology, 2017, 50, 45-57.	4.0	77
461	Sequestration of Pb(II) and Ni(II) ions from aqueous solution using microalga Rhizoclonium hookeri: adsorption thermodynamics, kinetics, and equilibrium studies. Journal of Water Reuse and Desalination, 2017, 7, 214-227.	2.3	33
462	Enhanced Adsorption Capacity of Biomass through Ultrasonication for the Removal of Toxic Cadmium Ions from Aquatic System: Temperature Influence on Isotherms and Kinetics. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	2.0	17
463	Prediction and interpretation of adsorption parameters for the sequestration of methylene blue dye from aqueous solution using microwave assisted corncob activated carbon. Sustainable Materials and Technologies, 2017, 11, 1-11.	3.3	82
464	Efficient techniques for the removal of toxic heavy metals from aquatic environment: A review. Journal of Environmental Chemical Engineering, 2017, 5, 2782-2799.	6.7	1,066
465	Surface adsorption of poisonous Pb(II) ions from water using chitosan functionalised magnetic nanoparticles. IET Nanobiotechnology, 2017, 11, 433-442.	3.8	36
466	Screening of novel actinobacteria and characterization of the potential isolates from mangrove sediment of south coastal India. Microbial Pathogenesis, 2017, 107, 225-233.	2.9	20
467	A simplified model for evaluating best biodiesel production method: Fuzzy analytic hierarchy process approach. Sustainable Materials and Technologies, 2017, 12, 18-22.	3.3	13
468	Fabrication and characterization of a nanocomposite hydrogel for combined photocatalytic degradation of a mixture of malachite green and fast green dye. Nanotechnology for Environmental Engineering, 2017, 2, 1.	3.3	70

#	ARTICLE	IF	CITATIONS
469	HPTLC fingerprint profile, in vitro antioxidant and evaluation of antimicrobial compound produced from <i>Brevibacillus brevis</i> -EGS9 against multidrug resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017, 102, 166-172.	2.9	7
470	Microwave assisted fast pyrolysis of corn cob, corn stover, saw dust and rice straw: Experimental investigation on bio-oil yield and high heating values. <i>Sustainable Materials and Technologies</i> , 2017, 11, 19-27.	3.3	53
471	Construction of active bio-nanocomposite by inseeded metal nanoparticles onto activated carbon: probing to antimicrobial activity. <i>IET Nanobiotechnology</i> , 2017, 11, 746-753.	3.8	31
472	Sources and impacts of pharmaceutical components in wastewater and its treatment process: A review. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2787-2805.	2.7	43
473	Optimization of media components for production of antimicrobial compound by <i>Brevibacillus brevis</i> EGS9 isolated from mangrove ecosystem. <i>Journal of Microbiological Methods</i> , 2017, 142, 83-89.	1.6	7
474	Green synthesis of metal nanoparticles loaded ultrasonic-assisted <i>Spirulina platensis</i> using algal extract and their antimicrobial activity. <i>IET Nanobiotechnology</i> , 2017, 11, 754-758.	3.8	25
475	Adsorption isotherm, kinetics and thermodynamic analysis of Cu(II) ions onto the dried algal biomass (<i>Spirulina platensis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 117	5.8	117
476	Removal of toxic Cr(VI) ions from tannery industrial wastewater using a newly designed three-phase three-dimensional electrode reactor. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 379-385.	4.0	55
477	Higher adsorption capacity of <i>Spirulina platensis</i> alga for Cr(VI) ions removal: parameter optimisation, equilibrium, kinetic and thermodynamic predictions. <i>IET Nanobiotechnology</i> , 2017, 11, 317-328.	3.8	33
478	Review on nanoadsorbents: a solution for heavy metal removal from wastewater. <i>IET Nanobiotechnology</i> , 2017, 11, 213-224.	3.8	77
479	Nanochemicals and Effluent Treatment in Textile Industries. <i>Textile Science and Clothing Technology</i> , 2017, , 57-96.	0.5	5
480	Functional group-assisted green synthesised superparamagnetic nanoparticles for the rapid removal of hexavalent chromium from aqueous solution. <i>IET Nanobiotechnology</i> , 2017, 11, 852-860.	3.8	16
481	Sorption of Cu(II) ions by nano-scale zero valent iron supported on rubber seed shell. <i>IET Nanobiotechnology</i> , 2017, 11, 714-724.	3.8	30
482	Sustainable wastewater treatments in textile sector. , 2017, , 323-346.		53
483	Introduction to sustainable fibres and textiles. , 2017, , 1-18.		10
484	Removal of toxic zinc from water/wastewater using eucalyptus seeds activated carbon: non-linear regression analysis. <i>IET Nanobiotechnology</i> , 2016, 10, 244-253.	3.8	30
485	Isolation and identification of <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i> from prawn (<i>Penaeus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 119	2.9	19
486	Synthesis, antimicrobial and cytotoxic evaluation of spirooxindole[pyrano-bis-2H-l-benzopyrans]. <i>Medicinal Chemistry Research</i> , 2016, 25, 2155-2170.	2.4	32

#	ARTICLE	IF	CITATIONS
487	Application of Fe^{2+} - MnO_2 nanorods as catalyst in single step production of biodiesel from palm oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2104-2110.	2.3	0
488	Synthesis of nano-sized chitosan blended polyvinyl alcohol for the removal of Eosin Yellow dye from aqueous solution. Journal of Water Process Engineering, 2016, 13, 127-136.	5.6	103
489	Rediscovery of <i>Crotalaria rigida</i> (Leguminosae) – Rare and endemic legume of Southern India, Tamil Nadu. Phytotaxa, 2016, 278, 297.	0.3	0
490	Removal of turbidity from washing machine discharge using <i>Strychnos potatorum</i> seeds: Parameter optimization and mechanism prediction. Resource-efficient Technologies, 2016, 2, S171-S176.	0.1	13
491	Adsorptive potential of dispersible chitosan coated iron-oxide nanocomposites toward the elimination of arsenic from aqueous solution. Chemical Engineering Research and Design, 2016, 104, 185-195.	5.6	63
492	Influence of ultrasonication on preparation of novel material for heavy metal removal from wastewater. Korean Journal of Chemical Engineering, 2016, 33, 2716-2731.	2.7	24
493	Ultrasonic modified corn pith for the sequestration of dye from aqueous solution. Journal of Industrial and Engineering Chemistry, 2016, 39, 162-175.	5.8	78
494	Synthesis and characterization of metallic nanoparticles impregnated onto activated carbon using leaf extract of <i>Mukia maderaspatana</i> : Evaluation of antimicrobial activities. Microbial Pathogenesis, 2016, 97, 198-203.	2.9	33
495	Adsorption of copper ions onto nano-scale zero-valent iron impregnated cashew nut shell. Desalination and Water Treatment, 2016, 57, 6487-6502.	1.0	41
496	Enhanced photocatalytic decolorization of reactive red by sonocatalysis using TiO_2 catalyst: factorial design of experiments. Desalination and Water Treatment, 2016, 57, 7120-7129.	1.0	7
497	Experimental study on parameter estimation and mechanism for the removal of turbidity from groundwater and synthetic water using <i>Moringa oleifera</i> seed powder. Desalination and Water Treatment, 2016, 57, 5488-5497.	1.0	9
498	Adsorption of toxic Cr(VI) ions from aqueous solution by sulphuric acid modified <i>Strychnos potatorum</i> seeds in batch and column studies. Desalination and Water Treatment, 2016, 57, 12585-12607.	1.0	16
499	Investigation on environmental factors of waste plastics into oil and its emulsion to control the emission in DI diesel engine. Ecotoxicology and Environmental Safety, 2016, 134, 440-444.	6.0	38
500	Biosorption of hexavalent chromium from aqueous solution using raw and acid-treated biosorbent prepared from <i>Lantana camara</i> fruit. Desalination and Water Treatment, 2016, 57, 25097-25113.	1.0	14
501	Biosorption of Pb(II) , Ni(II) and Cr(VI) ions from aqueous solution using <i>Rhizoclonium tortuosum</i> : extended application to nickel plating industrial wastewater. Desalination and Water Treatment, 2016, 57, 25114-25139.	1.0	21
502	Performance study on sequestration of copper ions from contaminated water using newly synthesized high effective chitosan coated magnetic nanoparticles. Journal of Molecular Liquids, 2016, 214, 335-346.	4.9	102
503	Ultrasonic-assisted activated biomass (fishtail palm <i>Caryota urens</i> seeds) for the sequestration of copper ions from wastewater. Research on Chemical Intermediates, 2016, 42, 3117-3146.	2.7	19
504	Biosorption of lead(II) ions onto nano-sized chitosan particle blended polyvinyl alcohol (PVA): adsorption isotherms, kinetics and equilibrium studies. Desalination and Water Treatment, 2016, 57, 13711-13721.	1.0	20

#	ARTICLE	IF	CITATIONS
505	Optimization of process parameters for the removal of chromium(VI) and nickel(II) from aqueous solutions by mixed biosorbents (custard apple seeds and <i>Aspergillus niger</i>) using response surface methodology. <i>Desalination and Water Treatment</i> , 2016, 57, 14530-14543.	1.0	33
506	Adsorption kinetic, equilibrium and thermodynamic investigations of Zn(II) and Ni(II) ions removal by poly(azomethine-thioamide) resin with pendent chlorobenzylidene ring. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 100-109.	0.5	4
507	Binding of Zn(II) ions to chitosan-PVA blend in aqueous environment: Adsorption kinetics and equilibrium studies. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 15-22.	2.3	64
508	Study of adsorption of Cu(II) ions from aqueous solution by surface-modified Eucalyptus globulus seeds in a fixed-bed column: experimental optimization and mathematical modeling. <i>Research on Chemical Intermediates</i> , 2015, 41, 8681-8698.	2.7	9
509	Adsorptive removal of Pb(II) ions from polluted water by newly synthesized chitosan-polyacrylonitrile blend: Equilibrium, kinetic, mechanism and thermodynamic approach. <i>Chemical Engineering Research and Design</i> , 2015, 98, 187-197.	5.6	75
510	Removal and recovery of Ni(II) ions from synthetic wastewater using surface modified <i>Strychnos potatorum</i> seeds: experimental optimization and mechanism. <i>Desalination and Water Treatment</i> , 2015, 53, 171-182.	1.0	16
511	Novel adsorbent from agricultural waste (cashew NUT shell) for methylene blue dye removal: Optimization by response surface methodology. <i>Water Resources and Industry</i> , 2015, 11, 64-70.	3.9	137
512	Productivity enhancement of a-single basin solar still. <i>Desalination and Water Treatment</i> , 2015, 55, 1998-2008.	1.0	15
513	Experimental study on the performance and emission measures of direct injection diesel engine with Kapok methyl ester and its blends. <i>Renewable Energy</i> , 2015, 74, 903-909.	8.9	55
514	Removal of fluoride from aqueous media by magnesium oxide-coated nanoparticles. <i>Desalination and Water Treatment</i> , 2015, 53, 2905-2914.	1.0	34
515	Adsorption of basic dye onto raw and surface-modified agricultural waste. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 87-98.	2.3	90
516	Adsorption kinetics, mechanism, isotherm, and thermodynamic analysis of copper ions onto the surface modified agricultural waste. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 28-37.	2.3	75
517	Characteristics of thermodynamic, isotherm, kinetic, mechanism and design equations for the analysis of adsorption in Cd(II) ions-surface modified Eucalyptus seeds system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2957-2968.	5.3	84
518	A new electrode reactor with in-built recirculation mode for the enhancement of methylene blue dye removal from the aqueous solution: Comparison of adsorption, electrolysis and combined effect. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 276-283.	2.7	16
519	Adsorption of lead(Pb^{II}) ions from simulated wastewater using natural waste: A kinetic, thermodynamic and equilibrium study. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 55-64.	2.3	57
520	EFFECT OF TEMPERATURE ON THE ADSORPTION OF METHYLENE BLUE DYE ONTO SULFURIC ACID-TREATED ORANGE PEEL. <i>Chemical Engineering Communications</i> , 2014, 201, 1526-1547.	2.6	104
521	Adsorption of dye onto raw and surface modified tamarind seeds: isotherms, process design, kinetics and mechanism. <i>Desalination and Water Treatment</i> , 2014, 52, 2620-2633.	1.0	67
522	ADSORPTION OF METHYLENE BLUE DYE ONTO SURFACE MODIFIED CASHEW NUT SHELL. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 545-556.	0.6	13

#	ARTICLE	IF	CITATIONS
523	REMOVAL OF Cu (II) IONS FROM AQUEOUS SOLUTION BY ADSORPTION ONTO ACTIVATED CARBON PRODUCED FROM <i>Guazuma ulmifolia</i> SEEDS. Environmental Engineering and Management Journal, 2014, 13, 905-914.	0.6	7
524	Adsorption of Pb(II) ions onto surface modified <i>Guazuma ulmifolia</i> seeds and batch adsorber design. Environmental Progress and Sustainable Energy, 2013, 32, 307-316.	2.3	11
525	Adsorption behavior of methylene blue dye onto surface modified <i>Strychnos potatorum</i> seeds. Environmental Progress and Sustainable Energy, 2013, 32, 624-632.	2.3	70
526	Kinetic and equilibrium studies on the biosorption of textile dyes onto <i>Plantago ovata</i> seeds. Korean Journal of Chemical Engineering, 2013, 30, 1248-1256.	2.7	13
527	Adsorption isotherms, kinetics and mechanism of Pb(II) ions removal from aqueous solution using chemically modified agricultural waste. Canadian Journal of Chemical Engineering, 2013, 91, 1950-1956.	1.7	61
528	Adsorption of Zn(II) ions from aqueous environment by surface modified <i>Strychnos potatorum</i> seeds, a low cost adsorbent. Polish Journal of Chemical Technology, 2013, 15, 35-41.	0.5	11
529	Adsorption of Cu(II), Cd(II) and Ni(II) ions from aqueous solution by unmodified <i>Strychnos potatorum</i> seeds. European Journal of Environmental and Civil Engineering, 2013, 17, 293-314.	2.1	16
530	Preparation and characterization of porous cross linked laccase aggregates for the decolorization of triphenyl methane and reactive dyes. Bioresource Technology, 2012, 119, 28-34.	9.6	79
531	Kinetics, mechanism, isotherm and thermodynamic analysis of adsorption of cadmium ions by surface-modified <i>Strychnos potatorum</i> seeds. Korean Journal of Chemical Engineering, 2012, 29, 1752-1760.	2.7	29
532	Two step biodiesel production from <i>Calophyllum inophyllum</i> oil: Studies on thermodynamic and kinetic modelling of modified zeolite catalysed pretreatment. Canadian Journal of Chemical Engineering, 2012, 90, 1178-1185.	1.7	7
533	Removal of cadmium(II) from aqueous solution by agricultural waste cashew nut shell. Korean Journal of Chemical Engineering, 2012, 29, 756-768.	2.7	108
534	Removal of free fatty acids in <i>Pongamia Pinnata</i> (Karanja) oil using divinylbenzene-styrene copolymer resins for biodiesel production. Biomass and Bioenergy, 2012, 37, 335-341.	5.7	18
535	Adsorption of Metal Ions onto the Chemically Modified Agricultural Waste. Clean - Soil, Air, Water, 2012, 40, 188-197.	1.1	74
536	Lead(II) Adsorption onto Sulphuric Acid Treated Cashew Nut Shell. Separation Science and Technology, 2011, 46, 2436-2449.	2.5	69
537	Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design. Colloid Journal, 2011, 73, 651-661.	1.3	74
538	Geometries, electronic structures and vibrational spectral studies of 4-aminophthalonitrile using quantum chemical calculations for dye sensitized solar cells. Indian Journal of Physics, 2011, 85, 1477-1494.	1.8	11
539	Removal of methylene blue dye from aqueous solution by activated carbon prepared from cashew nut shell as a new low-cost adsorbent. Korean Journal of Chemical Engineering, 2011, 28, 149-155.	2.7	134
540	Thermodynamic, kinetic, and equilibrium studies on phenol removal by use of cashew nut shell. Canadian Journal of Chemical Engineering, 2011, 89, 284-291.	1.7	13

#	ARTICLE	IF	CITATIONS
541	Adsorption behavior of nickel(II) onto cashew nut shell: Equilibrium, thermodynamics, kinetics, mechanism and process design. Chemical Engineering Journal, 2011, 167, 122-131.	12.7	280
542	Anticancer studies of drug encapsulated polyethylene terephthalate-Co-polylactic acid nanocapsules. Journal of Pharmacy and Bioallied Sciences, 2011, 3, 286.	0.6	6
543	DFT and TD-DFT Calculations of Some Metal Free Phthalonitrile Derivatives for Enhancement of the Dye Sensitized Solar Cells. Acta Physica Polonica A, 2011, 119, 395-404.	0.5	9
544	ADSORPTION EQUILIBRIUM STUDIES ON COPPER (II) IONS REMOVAL BY NATURAL WASTE USING NON-LINEAR APPROACH. Environmental Engineering and Management Journal, 2011, 10, 285-295.	0.6	1
545	Recovery and reuse of hexavalent chromium from aqueous solutions by a hybrid technique of electrodialysis and ion exchange. Brazilian Journal of Chemical Engineering, 2010, 27, 71-78.	1.3	24
546	Removal of Congo red from aqueous solutions by neem saw dust carbon. Colloid Journal, 2010, 72, 703-709.	1.3	12
547	Kinetics and adsorption equilibrium in the system aqueous solution of copper ions" granulated activated carbon. Russian Chemical Bulletin, 2010, 59, 1859-1864.	1.5	8
548	Molecular modeling of 3,4-pyridinedicarbonitrile dye sensitizer for solar cells using quantum chemical calculations. Journal of Saudi Chemical Society, 2010, 14, 399-407.	5.2	5
549	Adsorption of dye from aqueous solution by cashew nut shell: Studies on equilibrium isotherm, kinetics and thermodynamics of interactions. Desalination, 2010, 261, 52-60.	8.2	668
550	Thermodynamic and kinetic studies of cadmium adsorption from aqueous solution onto rice husk. Brazilian Journal of Chemical Engineering, 2010, 27, 347-355.	1.3	159
551	Kinetics and equilibrium studies of Pb ²⁺ in removal from aqueous solutions by use of nano-silversol-coated activated carbon. Brazilian Journal of Chemical Engineering, 2010, 27, 339-346.	1.3	118
552	Experimentation on solvent extraction of polyphenols from natural waste. Journal of Materials Science, 2009, 44, 5894-5899.	3.7	22
553	Bael Tree Leaves as a Natural Adsorbent for the Removal of Zinc(II) Ions from Industrial Effluents. Adsorption Science and Technology, 2009, 27, 503-512.	3.2	5
554	Application of silk sericin to polyester fabric. Journal of Applied Polymer Science, 2008, 109, 314-321.	2.6	65
555	Management of Chromium Plating Rinsewater Using Electrochemical Ion Exchange. Industrial & Engineering Chemistry Research, 2008, 47, 2279-2286.	3.7	70
556	Removal of Hexavalent Chromium Ions from Aqueous Solutions by an Anion-Exchange Resin. Adsorption Science and Technology, 2008, 26, 693-703.	3.2	17
557	High temperature XRD studies of nanoscale AgI"CuI solid solutions. Journal of Physics and Chemistry of Solids, 2006, 67, 1809-1816.	4.0	2
558	<i>Sargassum wightii</i>, a marine alga is the source for the production of algal oil, bio-oil, and application in the dye wastewater treatment. Desalination and Water Treatment, 0, , 1-17.	1.0	12

#	ARTICLE	IF	CITATIONS
559	Study of adsorption kinetic, mechanism, isotherm, thermodynamic, and design models for Cu(II) ions on sulfuric acid-modified Eucalyptus seeds: temperature effect. Desalination and Water Treatment, 0, , 1-18.	1.0	8
560	Green synthesis of novel silver nanocomposite hydrogel based on sodium alginate as an efficient biosorbent for the dye wastewater treatment: prediction of isotherm and kinetic parameters. Desalination and Water Treatment, 0, , 1-14.	1.0	16
561	Nanocomposites: Recent Trends and Engineering Applications. Nano Hybrids and Composites, 0, 20, 65-80.	0.8	8
562	Preparation of PAN/lycopene-TiO ₂ nanocomposite membrane for azo dye degradation. , 0, 216, 436-444.		4
563	Prediction on water quality of a lake in Chennai, India using machine learning algorithms. , 0, 218, 44-51.		2
564	Effective separation of toxic phenol from aquatic system using membrane assisted solvent extraction system. , 0, 221, 316-327.		10
565	Sequestration of toxic Cr(VI) ions from industrial wastewater using waste biomass: A review. , 0, 68, 245-266.		52
566	Antimicrobial activity of Mukia maderasapatna stem extract of jujube seeds activated carbon against gram-positive/gram-negative bacteria and fungi strains: Application in heavy metal removal. , 0, 72, 418-427.		2
567	An insight into the prediction of biosorption mechanism, and isotherm, kinetic and thermodynamic studies for Ni(II) ions removal from aqueous solution using acid treated biosorbent: the Lantana camara fruit. , 0, 80, 276-287.		3
568	A review on analytical methods and treatment techniques of pharmaceutical wastewater. , 0, 87, 160-178.		28
569	Treatment of municipal wastewater using Scenedesmus abundans and studies on saccharification of grown biomass using ultrasound assistance. , 0, 89, 94-100.		5
570	Chitosan anchored zinc oxide nanocomposite as modified electrochemical sensor for the detection of Cd(II) ions. , 0, 97, 295-303.		9
571	Intensified degradation of pharmaceutical effluents by novel aerobic iron-swarf activated molecular oxygen in the presence of ascorbic. , 0, 102, 273-279.		4
572	Mass transfer and thermodynamic analysis on the removal of naphthalene from aqueous solution using oleic acid modified palm shell activated carbon. , 0, 106, 238-250.		23
573	Experimental investigation on Bisphenol A and its leaching properties in various repositories: real time analysis. , 0, 110, 139-143.		1
574	Enhanced photocatalytic activity of environment-friendly C/ZnFe ₂ O ₄ nanocomposites: application in dye removal. , 0, 137, 395-402.		6
575	Adsorption capability of surface-modified jujube seeds for Cd(II), Cu(II) and Ni(II) ions removal: mechanism, equilibrium, kinetic and thermodynamic analysis. , 0, 140, 268-282.		15
576	Critical review on biological treatment strategies of dairy wastewater. , 0, 160, 94-109.		40

#	ARTICLE	IF	CITATIONS
577	A critical review on recent developments in the low-cost adsorption of dyes from wastewater. , 0, 172, 395-416.		114
578	Synthesis and characterization of ultrasonic assisted Delonix regia seeds: modelling and application in dye adsorption. , 0, 173, 427-441.		8
579	Feasibility of naphthol green-B dye adsorption using microalgae: thermodynamic and kinetic analysis. , 0, 192, 358-370.		26
580	A review on fluoride: treatment strategies and scope for further research. , 0, 200, 167-186.		8
581	Kinetic and thermodynamic analysis on the abolition of toxic metals from wastewater using activated carbon produced from compost waste. , 0, 204, 270-284.		5
582	Preface 3rd International Conference on Recent Advancements in Chemical, Environmental & Energy Engineering (RACEEE- 2018). , 0, 121, vii-viii.		0
583	A rapid method based on computer vision for the analysis of hardness and eutrophication levels in water bodies. , 0, 123, 52-58.		2
584	Ultrasound intensified saccharification of Chlorella vulgaris isolated from municipal wastewater. , 0, 131, 187-193.		0
585	Mathematical modelling and simulation for decomposition of agro-herbicide in accelerated reaction calorimeter to avoid water pollution. , 0, 179, 92-97.		1
586	Adsorptive elimination of methylene blue dye from aquatic system using biochar produced from cocoa shell. , 0, 203, 366-378.		1
587	Mapping and Scientometric Measures on Research Publications of Energy Storage and Conversion. Topics in Catalysis, 0, , 1.	2.8	0
588	An Efficient High-Powered Sulfamethaxazole Sensor Based on <i>p-n</i> Junction Heterostructures Using Nanostructured ZnO Thin Film and Graphene Oxide Sheets. Industrial & Engineering Chemistry Research, 0, , .	3.7	1
589	MANFIS approach for predicting heat and mass transport of bio-magnetic ternary hybrid nanofluid using Cu/Al ₂ O ₃ /MWCNT nanoadditives. Biomass Conversion and Biorefinery, 0, , .	4.6	5