

# Ponnusamy Senthil Kumar

List of PR Articles by Year  
in descending order

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168

PR articles

8,908

PR citations

26924

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34570

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9989

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33350

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8487

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Research progress of persistent organic pollutants in water: classification, sources, potential risks, and treatment approaches. <i>Water Practice and Technology</i> , 2024, 19, 937-959.	1.9	21
2	Numerical Integration of Some Arbitrary Functions over an Ellipsoid by Discretizing into Hexahedral Elements for Biomaterial Studies. <i>International Journal of Chemical Engineering</i> , 2024, 2024, .	2.1	0
3	Conventional technologies and recent developments in the nanotechnological approach for the remediation of persistent organic pollutants. <i>Water Practice and Technology</i> , 2024, 19, 1849-1877.	1.9	2
4	Flexible Polycarbonate and Copoly(Imide- $\epsilon$ -Carbonate)s-Based Frequency Selective Surface for Electromagnetic Shielding Application. <i>International Journal of Chemical Engineering</i> , 2024, 2024, .	2.1	0
5	Effective Removal of Ibuprofen from Aqueous Solution Using Cationic Surface-Active Agents in Dissolved Air-Flotation Process. <i>International Journal of Chemical Engineering</i> , 2024, 2024, .	2.1	6
6	Hydrothermally Produced Activated Carbon Impregnated with ZnO for the Adsorptive Removal of Toxic Pharmaceutical Contaminants from Aqueous Solution. <i>International Journal of Chemical Engineering</i> , 2024, 2024, .	2.1	3
7	Application of nitric acid modified palmyra palm male inflorescence activated carbon for effective removal of methylene blue dye from the aquatic environment. <i>Adsorption Science and Technology</i> , 2024, 42, .	3.8	1
8	Current research progress in the biological removal of emerging contaminants from the water environment. <i>Water Practice and Technology</i> , 2024, 19, 3154-3181.	1.9	11
9	Hydrothermally Synthesized rGO/MnO <sub>2</sub> /MoS <sub>2</sub> Nanohybrids as Superior Bifunctional Electrocatalysts for Oxygen and Hydrogen Evolution Reactions. <i>Langmuir</i> , 2024, 40, 17753-17766.	3.6	5
10	A review of the wetland's restoration mechanisms and its economic and social benefits. <i>Water Practice and Technology</i> , 2024, 19, 4355-4377.	1.9	13
11	Mechanism of Sulfate Radical Formation on Activation of Persulfate Using Doped Metal Oxide and Its Role in Degradation of Tartrazine Dye in an Aqueous Solution. <i>Langmuir</i> , 2024, 40, 21629-21643.	3.6	5
12	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	21
13	Various surface-active agents used in flotation technology for the removal of noxious pollutants from wastewater: a critical review. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 994-1007.	1.8	5
14	Recent advances in carbon-based nanomaterials for the treatment of toxic inorganic pollutants in wastewater. <i>New Journal of Chemistry</i> , 2023, 47, 7655-7667.	2.4	21
15	Geotechnical Investigation and Microanalysis of Black Cotton Soil Amended with Guar Gum and Polyethylene Terephthalate Fibre. <i>International Journal of Chemical Engineering</i> , 2023, 2023, 1-12.	2.1	6
16	A Critical Review on the Sustainable Approaches for the Removal of Toxic Heavy Metals from Water Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2023, 62, 8575-8601.	3.9	87
17	Development of Alumina-Titania Composite Layers on Stainless Steel through the Detonation Spray Method and Investigation of Salt Spray Corrosion Behavior along with Surface Examination. <i>International Journal of Chemical Engineering</i> , 2023, 2023, 1-11.	2.1	6
18	Enhanced Adsorptive Removal of Chromium (VI) from Aqueous Solution on Using Aged Refuse: Resource Recovery and Environmental Applications. <i>Adsorption Science and Technology</i> , 2023, 2023, .	3.8	7

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19	A Short Review on Current Status and Obstacles in the Sustainable Production of Biohydrogen from Microalgal Species. <i>Molecular Biotechnology</i> , 2023, , .	2.1	9
20	SnO <sub>2</sub> Nanoparticle-Dispersed, Phosphoric Acid-Doped Poly(vinyl alcohol)/Epoxy Resin/Siloxane Hybrid Network Proton Transport Membrane for Fuel Cell Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2023, 62, 15953-15961.	3.9	4
21	Proton-Exchange Membrane Fuel-Cell Studies on Composite Films of Bi <sub>2</sub> S <sub>3</sub> Microrod-Loaded Random Conjugated Copolymer Containing Carbazole and Diphenyl Sulfone. <i>Industrial &amp; Engineering Chemistry Research</i> , 2023, 62, 17743-17754.	3.9	11
22	Promising approaches and kinetic prospects of the microbial degradation of pharmaceutical contaminants. <i>Environmental Science Advances</i> , 2023, 2, 1488-1504.	3.1	13
23	Digitalization of the agro-food sector for achieving sustainable development goals: a review. <i>Sustainable Food Technology</i> , 2023, 1, 783-802.	5.5	53
24	Enhanced Adsorption of Rose Bengal Dye from Aqueous Solution Using NaOH Activated Hydrochar Derived from Corn cob Waste. <i>Adsorption Science and Technology</i> , 2023, 2023, .	3.8	4
25	Biotreatment of Industrial Wastewater using Microalgae: A Tool for a Sustainable Bioeconomy. <i>Molecular Biotechnology</i> , 2023, , .	2.1	4
26	Sulphuric Acid-Modified Coal Fly Ash for the Removal of Rhodamine B Dye from Water Environment: Isotherm, Kinetics, and Thermodynamic Studies. <i>Adsorption Science and Technology</i> , 2023, 2023, .	3.8	3
27	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	10
28	Recent advances in biotransformation of 5-Hydroxymethylfurfural: challenges and future aspects. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 409-419.	2.7	41
29	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.	2.7	38
30	Sustainable approaches for removing Rhodamine B dye using agricultural waste adsorbents: A review. <i>Chemosphere</i> , 2022, 287, 132080.	8.3	333
31	Understanding the factors affecting adsorption of pharmaceuticals on different adsorbents – A critical literature update. <i>Chemosphere</i> , 2022, 287, 131958.	8.3	67
32	Elimination of rhodamine B from textile wastewater using nanoparticle photocatalysts: A review for sustainable approaches. <i>Chemosphere</i> , 2022, 287, 132162.	8.3	213
33	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.	7.9	31
34	Nanoparticles approach to eradicate bacterial biofilm-related infections: A critical review. <i>Chemosphere</i> , 2022, 288, 132603.	8.3	73
35	Progress in the production of hydrogen energy from food waste: A bibliometric analysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26326-26354.	9.1	61
36	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.	6.7	26

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37	Cannabis: Chemistry, extraction and therapeutic applications. <i>Chemosphere</i> , 2022, 289, 133012.	8.3	88
38	Sustainable approach on the biodegradation of azo dyes: A short review. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 33, 100578.	5.5	65
39	Bio-functionalized zinc oxide nanoparticles: Potential toxicity impact on freshwater fish <i>Cyprinus carpio</i> . <i>Chemosphere</i> , 2022, 290, 133220.	8.3	38
40	Chemical, physical and biological methods to convert lignocellulosic waste into value-added products. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1129-1152.	19.2	142
41	Green synthesis of ZrO <sub>2</sub> nanoparticles and nanocomposites for biomedical and environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1309-1331.	19.2	144
42	Hydrothermal Carbonization of Waste Sugarcane Bagasse for the Effective Removal of Emerging Contaminants from Aqueous Solution. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.8	16
43	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.	2.1	9
44	Invasive plants as biosorbents for environmental remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1421-1451.	19.2	72
45	Si@MXene/graphene crumbled spherical nanocomposites. <i>International Journal of Energy Research</i> , 2022, 46, 21548-21557.	4.3	10
46	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.	19.2	36
47	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.	7.9	41
48	One-Step Fabrication of Amino-Functionalized Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Core-Shell Magnetic Nanoparticles as a Potential Novel Platform for Removal of Cadmium (II) from Aqueous Solution. <i>Sustainability</i> , 2022, 14, 2290.	3.1	24
49	Biocatalytic polymeric membranes to decrease biofilm fouling and remove organic contaminants in wastewater: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1897-1927.	19.2	35
50	Synthesis, Computational and cytotoxicity studies of aryl hydrazones of 1,2-diketones: Selective Ni <sup>2+</sup> metal Responsive fluorescent chemosensors. <i>Chemosphere</i> , 2022, 297, 134150.	8.3	12
51	Investigation on future perspectives of ex-situ biogenic methane generation from solid waste coal and coal washery rejects. <i>Fuel</i> , 2022, 318, 123497.	7.5	11
52	Production of hydrogen and value-added carbon materials by catalytic methane decomposition: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2339-2359.	19.2	58
53	Recent review on electron transport layers in perovskite solar cells. <i>International Journal of Energy Research</i> , 2022, 46, 21441-21451.	4.3	64
54	A Preliminary Study on Detection of Serogenic E.coli in Fishes to Conduct a Microbial Assessment of Coastal Water. <i>ECS Transactions</i> , 2022, 107, 3863-3873.	0.5	0

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55	Ultrasonic Functionalized Egg Shell Powder for the Adsorption of Cationic Dye: Equilibrium and Kinetic Studies. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.8	13
56	Microbial pullulan for food, biomedicine, cosmetic, and water treatment: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3199-3234.	19.2	22
57	Treatment of Mixed Azo Dyes in an Aerobic Sequential Batch Reactor and Toxicity Assessment Using <i>Vigna radiata</i> . <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-12.	2.1	4
58	Treatability Studies on the Optimization of Ozone and Carbon Dosages for the Effective Removal of Contaminants from Secondary Treated Effluent. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.8	3
59	Adsorptive Removal of Alizarin Red S onto Sulfuric Acid-Modified Avocado Seeds: Kinetics, Equilibrium, and Thermodynamic Studies. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.8	15
60	Three-phase partitioning for the separation of proteins, enzymes, biopolymers, oils and pigments: a review. <i>Environmental Chemistry Letters</i> , 2022, 21, 911-934.	19.2	22
61	A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16734-16750.	9.1	91
62	Sustainable adsorbents for the removal of pesticides from water: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2425-2463.	19.2	135
63	A Performance Comparison of Anaerobic and an Integrated Anaerobic-Aerobic Biological Reactor System for the Effective Treatment of Textile Wastewater. <i>International Journal of Chemical Engineering</i> , 2021, 2021, 1-15.	2.1	20
64	Techniques and modeling of polyphenol extraction from food: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3409-3443.	19.2	256
65	pH Sensitivity Estimation in Potentiometric Metal Oxide pH Sensors Using the Principle of Invariance. <i>International Journal of Chemical Engineering</i> , 2021, 2021, 1-18.	2.1	6
66	Advanced techniques to remove phosphates and nitrates from waters: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3165-3180.	19.2	100
67	Fabrication of Poly (Acrylonitrile-Co-Methyl Methacrylate) Nanofibers Containing Boron via Electrospinning Method: A Study on Size Distribution, Thermal, Crystalline, and Mechanical Strength Properties. <i>Sustainability</i> , 2021, 13, 4342.	3.1	2
68	Microbial degradation of recalcitrant pesticides: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3209-3228.	19.2	159
69	Sulphonamide: Distribution, Toxicology, Environmental Characteristics, and Analysis - A Review. <i>Current Analytical Chemistry</i> , 2021, 17, 590-602.	1.4	2
70	Microwave pyrolysis of coal, biomass and plastic waste: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3609-3629.	19.2	96
71	Performance study on adsorptive removal of acetaminophen from wastewater using silica microspheres: Kinetic and isotherm studies. <i>Chemosphere</i> , 2021, 272, 129896.	8.3	53
72	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.	8.3	12

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73	Adsorptive Removal of Malachite Green Dye onto Coal-Associated Soil and Conditions Optimization. <i>Adsorption Science and Technology</i> , 2021, 2021, .	3.8	19
74	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.	7.9	18
75	Graphene-based materials for environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3631-3644.	19.2	89
76	Assessing the Plant Phytoremediation Efficacy for <i>Azolla filiculoides</i> in the Treatment of Textile Effluent and Redemtion of Congo Red Dye onto <i>Azolla</i> Biomass. <i>Sustainability</i> , 2021, 13, 9588.	3.1	14
77	Removal of emerging pollutants from aquatic system using electrochemical treatment and adsorption: Comparison and analysis. <i>Environmental Technology and Innovation</i> , 2021, 23, 101754.	6.7	18
78	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.	2.1	47
79	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.	8.3	38
80	Statistical analysis of adsorption isotherm models and its appropriate selection. <i>Chemosphere</i> , 2021, 276, 130176.	8.3	251
81	Two-dimensional hybrid perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2021, 20, 189-210.	19.2	17
82	Eco-friendly pH detecting paper-based analytical device: Towards process intensification. <i>Analytica Chimica Acta</i> , 2021, 1182, 338953.	5.8	26
83	Analysis on the removal of emerging contaminant from aqueous solution using biochar derived from soap nut seeds. <i>Environmental Pollution</i> , 2021, 287, 117632.	7.8	81
84	Conversion of food waste to energy: A focus on sustainability and life cycle assessment. <i>Fuel</i> , 2021, 302, 121069.	7.5	128
85	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.	7.9	15
86	Surface improved agro-based material for the effective separation of toxic Ni(II) ions from aquatic environment. <i>Chemosphere</i> , 2021, 283, 131215.	8.3	10
87	Kinetics, equilibrium and thermodynamic investigations of methylene blue dye removal using <i>Casuarina equisetifolia</i> pines. <i>Chemosphere</i> , 2021, 285, 131480.	8.3	98
88	Fluorine-implanted indium-gallium-zinc oxide (IGZO) chemiresistor sensor for high-response NO <sub>2</sub> detection. <i>Chemosphere</i> , 2021, 284, 131287.	8.3	21
89	A review on nano-catalysts and biochar-based catalysts for biofuel production. <i>Fuel</i> , 2021, 306, 121632.	7.5	100
90	Occurrence and removal of antibiotics from industrial wastewater. <i>Environmental Chemistry Letters</i> , 2021, 19, 1477-1507.	19.2	151

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91	Enzyme-loaded nanoparticles for the degradation of wastewater contaminants: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2331-2350.	19.2	60
92	Methods for chemical conversion of plastic wastes into fuels and chemicals. A review. <i>Environmental Chemistry Letters</i> , 2021, 20, 223-242.	19.2	20
93	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.	1.0	5
94	Lab-on-a-chip technologies for food safety, processing, and packaging applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 20, 901-927.	19.2	49
95	Extraction, purification and applications of biosurfactants based on microbial-derived glycolipids and lipopeptides: a review. <i>Environmental Chemistry Letters</i> , 2021, 20, 949-970.	19.2	52
96	Green technology for sustainable surface protection of steel from corrosion: a review. <i>Environmental Chemistry Letters</i> , 2021, 20, 929-947.	19.2	33
97	Potential of plant-based photosensitizers in dye-sensitized solar cell applications. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, .	2.3	13
98	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.	5.0	26
99	Performance of montmorillonite/graphene oxide/CoFe <sub>2</sub> O <sub>4</sub> as a magnetic and recyclable nanocomposite for cleaning methyl violet dye-laden wastewater. <i>Advanced Powder Technology</i> , 2020, 31, 3993-4004.	4.0	119
100	A review on three-dimensional electrochemical systems: analysis of influencing parameters and cleaner approach mechanism for wastewater. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 873-896.	10.3	39
101	Conversion of waste plastics into low emissive hydrocarbon fuel using catalyst produced from biowaste. <i>Environmental Science and Pollution Research</i> , 2020, 28, 63638-63645.	4.4	12
102	Enhancement of lactic acid production from food waste through simultaneous saccharification and fermentation using selective microbial strains. <i>Biomass Conversion and Biorefinery</i> , 2020, 12, 5947-5958.	2.9	13
103	Optical, electrical, mechanical, and thermal properties and non-isothermal decomposition behavior of poly(vinyl alcohol)-ZnO nanocomposites. <i>Iranian Polymer Journal (English Edition)</i> , 2020, 29, 411-422.	2.5	62
104	Rhamnolipid-assisted mycoremediation of polycyclic aromatic hydrocarbons by <i>Trametes hirsuta</i> coupled with enhanced ligninolytic enzyme production. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 1260-1267.	2.4	15
105	Microalgae for biofuel production and removal of heavy metals: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1905-1923.	19.2	118
106	A review on systematic approach for microbial enhanced oil recovery technologies: Opportunities and challenges. <i>Journal of Cleaner Production</i> , 2020, 258, 120777.	9.7	90
107	Cleaner strategies on the effective elimination of toxic chromium from wastewater using coupled electrochemical/biological systems. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, .	2.3	16
108	Food preservation techniques and nanotechnology for increased shelf life of fruits, vegetables, beverages and spices: a review. <i>Environmental Chemistry Letters</i> , 2020, 19, 1715-1735.	19.2	226

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109	Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review. Environmental Chemistry Letters, 2020, 19, 1043-1063.	19.2	82
110	Methods of detection of food-borne pathogens: a review. Environmental Chemistry Letters, 2020, 19, 189-207.	19.2	171
111	Production of optically pure lactic acid by microbial fermentation: a review. Environmental Chemistry Letters, 2020, 19, 539-556.	19.2	159
112	Photocatalysis for removal of environmental pollutants and fuel production: a review. Environmental Chemistry Letters, 2020, 19, 441-463.	19.2	251
113	Recent advancements in rapid analysis of pesticides using nano biosensors: A present and future perspective. Journal of Cleaner Production, 2020, 269, 122356.	9.7	98
114	Amino- $\epsilon$ -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.	4.8	8
115	Kinetic and thermodynamic analysis on the abolition of toxic metals from wastewater using activated carbon produced from compost waste. Desalination and Water Treatment, 2020, 204, 270-284.	0.9	5
116	<i>In silico</i> and <i>in vitro</i> approaches to evaluate the bioactivity of Cassia auriculata L extracts. IET Nanobiotechnology, 2020, 14, 210-216.	4.8	6
117	CdO nanoparticles, $\epsilon$ -MWCNT nanoparticles and CdO nanoparticles/ $\epsilon$ -MWCNT nanocomposite fibres: in vitro assessment of anti-proliferative and apoptotic studies in HeLa cancer cell line. IET Nanobiotechnology, 2020, 14, 695-700.	4.8	3
118	One pot Green Synthesis of Nano magnesium oxide-carbon composite: Preparation, characterization and application towards anthracene adsorption. Journal of Cleaner Production, 2019, 237, 117691.	9.7	78
119	Ultrasonic-assisted synthesis of Populus alba activated carbon for water defluorination: Application for real wastewater. Korean Journal of Chemical Engineering, 2019, 36, 1595-1603.	3.0	78
120	In vitro evaluation of biodegradable nHAP- $\epsilon$ -Chitosan- $\epsilon$ -Gelatin-based scaffold for tissue engineering application. IET Nanobiotechnology, 2019, 13, 301-306.	4.8	6
121	Insights of CMNPs in water pollution control. IET Nanobiotechnology, 2019, 13, 553-559.	4.8	17
122	A review on heavy metal pollution, toxicity and remedial measures: Current trends and future perspectives. Journal of Molecular Liquids, 2019, 290, 111197.	5.1	1,370
123	Modelling on the Removal of Dye from Industrial Wastewater Using Surface Improved Enteromorpha intestinalis. International Journal of Environmental Research, 2019, 13, 349-366.	3.5	26
124	Removal of colorants from wastewater: A review on sources and treatment strategies. Journal of Industrial and Engineering Chemistry, 2019, 75, 1-19.	5.8	568
125	Modelling on the removal of toxic metal ions from aquatic system by different surface modified Cassia fistula seeds. Bioresource Technology, 2019, 281, 1-9.	9.7	69
126	Analysis of entrance region flow of Bingham nanofluid in concentric annuli with rotating inner cylinder. Micro and Nano Letters, 2019, 14, 1361-1365.	2.2	10

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127	Investigating the prospects of bacterial biosurfactants for metal nanoparticle synthesis – a comprehensive review. IET Nanobiotechnology, 2019, 13, 243-249.	4.8	43
128	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	6
129	Fabrication of novel amine-functionalized magnetic silica nanoparticles for toxic metals: kinetic and isotherm modeling. Environmental Science and Pollution Research, 2019, 27, 27202-27210.	4.4	22
130	Modeling and Cr(VI) ion uptake kinetics of Sorghum bicolor plant assisted by plant growth – promoting Pannonibacter phragmetitus: an ecofriendly approach. Environmental Science and Pollution Research, 2019, 27, 27307-27318.	4.4	5
131	Estimation of magnetohydrodynamic radiative nanofluid flow over a porous non-linear stretching surface: application in biomedical research. IET Nanobiotechnology, 2019, 13, 911-922.	4.8	5
132	ADSORPTION OF AN ANIONIC DYE ONTO NATIVE AND CHEMICALLY MODIFIED AGRICULTURAL WASTE. Environmental Engineering and Management Journal, 2019, 18, 257-270.	0.6	8
133	Enhanced photocatalytic activity of environment-friendly C/ZnFe <sub>2</sub> O <sub>4</sub> nanocomposites: application in dye removal. Desalination and Water Treatment, 2019, 137, 395-402.	0.9	7
134	Pecan shell based activated carbon for removal of iron(II) from fracking wastewater: Adsorption kinetics, isotherm and thermodynamic studies. Chemical Engineering Research and Design, 2018, 114, 107-122.	6.3	151
135	Treatment of dye wastewater using an ultrasonic aided nanoparticle stacked activated carbon: Kinetic and isotherm modelling. Bioresource Technology, 2018, 250, 716-722.	9.7	188
136	Chitosan as a biosorbent for adsorption of iron (II) from fracking wastewater. Polymers for Advanced Technologies, 2018, 29, 961-969.	3.3	30
137	Adsorption properties and mechanism of barium (II) and strontium (II) removal from fracking wastewater using pecan shell based activated carbon. Journal of Cleaner Production, 2018, 193, 1-13.	9.7	152
138	Nano-zero valent iron impregnated cashew nut shell: a solution to heavy metal contaminated water/wastewater. IET Nanobiotechnology, 2018, 12, 591-599.	4.8	17
139	A rapid method based on computer vision for the analysis of hardness and eutrophication levels in water bodies. Desalination and Water Treatment, 2018, 123, 52-58.	0.9	2
140	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, .	2.1	22
141	Surface adsorption of poisonous Pb(II) ions from water using chitosan functionalised magnetic nanoparticles. IET Nanobiotechnology, 2017, 11, 433-442.	4.8	61
142	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, .	2.9	86
143	Construction of active bio-nanocomposite by inseeded metal nanoparticles onto activated carbon: probing to antimicrobial activity. IET Nanobiotechnology, 2017, 11, 746-753.	4.8	35
144	Sources and impacts of pharmaceutical components in wastewater and its treatment process: A review. Korean Journal of Chemical Engineering, 2017, 34, 2787-2805.	3.0	53

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