

Sivanesan Subramanian

List of Publications by Year in descending order

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papers

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47006

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#	ARTICLE	IF	CITATIONS
1	Adsorption of dye from aqueous solution by cashew nut shell: Studies on equilibrium isotherm, kinetics and thermodynamics of interactions. <i>Desalination</i> , 2010, 261, 52-60.	8.2	668
2	Modeling the mechanism involved during the sorption of methylene blue onto fly ash. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 14-21.	9.4	494
3	Adsorption behavior of nickel(II) onto cashew nut shell: Equilibrium, thermodynamics, kinetics, mechanism and process design. <i>Chemical Engineering Journal</i> , 2011, 167, 122-131.	12.7	280
4	Adsorption of acid dye onto organobentonite. <i>Journal of Hazardous Materials</i> , 2006, 128, 138-144.	12.4	248
5	Adsorption of malachite green onto <i>Pithophora</i> sp., a fresh water algae: Equilibrium and kinetic modelling. <i>Process Biochemistry</i> , 2005, 40, 2865-2872.	3.7	218
6	Removal of rhodamine B from aqueous solution by adsorption onto sodium montmorillonite. <i>Journal of Hazardous Materials</i> , 2008, 155, 39-44.	12.4	212
7	Removal of copper(II) ions from aqueous solution by adsorption using cashew nut shell. <i>Desalination</i> , 2011, 266, 63-71.	8.2	182
8	Removal of Acid Violet 17 from aqueous solutions by adsorption onto activated carbon prepared from sunflower seed hull. <i>Journal of Hazardous Materials</i> , 2008, 151, 316-322.	12.4	160
9	Thermodynamic and kinetic studies of cadmium adsorption from aqueous solution onto rice husk. <i>Brazilian Journal of Chemical Engineering</i> , 2010, 27, 347-355.	1.3	159
10	Biosorption of malachite green, a cationic dye onto <i>Pithophora</i> sp., a fresh water algae. <i>Dyes and Pigments</i> , 2006, 69, 102-107.	3.7	140
11	Removal of Safranin Basic Dye from Aqueous Solutions by Adsorption onto Corncob Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7627-7632.	3.7	138
12	Magnetic cross-linked laccase aggregates " Bioremediation tool for decolorization of distinct classes of recalcitrant dyes. <i>Science of the Total Environment</i> , 2014, 487, 830-839.	8.0	137
13	Acid-catalyzed esterification of karanja (<i>Pongamia pinnata</i>) oil with high free fatty acids for biodiesel production. <i>Fuel</i> , 2012, 98, 1-4.	6.4	131
14	Production of biogas from municipal solid waste with domestic sewage. <i>Journal of Hazardous Materials</i> , 2007, 141, 301-304.	12.4	124
15	Sorption isotherm for safranin onto rice husk: Comparison of linear and non-linear methods. <i>Dyes and Pigments</i> , 2007, 72, 130-133.	3.7	124
16	Pseudo second order kinetics and pseudo isotherms for malachite green onto activated carbon: Comparison of linear and non-linear regression methods. <i>Journal of Hazardous Materials</i> , 2006, 136, 721-726.	12.4	118
17	Isotherm parameters for basic dyes onto activated carbon: Comparison of linear and non-linear method. <i>Journal of Hazardous Materials</i> , 2006, 129, 147-150.	12.4	116
18	Removal of Pb(II), Cu(II) and Cd(II) ions from aqueous solution using polyazomethineamides: Equilibrium and kinetic approach. <i>Desalination</i> , 2011, 271, 199-208.	8.2	110

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19	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
20	Isotherms for Malachite Green onto rubber wood (Hevea brasiliensis) sawdust: Comparison of linear and non-linear methods. Dyes and Pigments, 2007, 72, 124-129.	3.7	103
21	Equilibrium and kinetic studies on the removal of Acid Red 114 from aqueous solutions using activated carbons prepared from seed shells. Journal of Hazardous Materials, 2008, 158, 142-150.	12.4	102
22	Comparison of linear and non-linear method in estimating the sorption isotherm parameters for safranin onto activated carbon. Journal of Hazardous Materials, 2005, 123, 288-292.	12.4	101
23	Mixing strategies of high solids anaerobic co-digestion using food waste with sewage sludge for enhanced biogas production. Journal of Cleaner Production, 2019, 210, 388-400.	9.3	99
24	Prediction of optimum sorption isotherm: Comparison of linear and non-linear method. Journal of Hazardous Materials, 2005, 126, 198-201.	12.4	95
25	Equilibrium data, isotherm parameters and process design for partial and complete isotherm of methylene blue onto activated carbon. Journal of Hazardous Materials, 2006, 134, 237-244.	12.4	95
26	Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. Applied Catalysis B: Environmental, 2019, 249, 42-53.	20.2	87
27	Selection of optimum sorption kinetics: Comparison of linear and non-linear method. Journal of Hazardous Materials, 2006, 134, 277-279.	12.4	85
28	Equilibrium studies for the adsorption of Acid dye onto modified hectorite. Journal of Hazardous Materials, 2006, 136, 989-992.	12.4	81
29	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
30	Review on nanoadsorbents: a solution for heavy metal removal from wastewater. IET Nanobiotechnology, 2017, 11, 213-224.	3.8	77
31	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
32	Adsorption of Metal Ions onto the Chemically Modified Agricultural Waste. Clean - Soil, Air, Water, 2012, 40, 188-197.	1.1	74
33	Production of optically pure lactic acid by microbial fermentation: a review. Environmental Chemistry Letters, 2021, 19, 539-556.	16.2	72
34	Two-step biodiesel production from Calophyllum inophyllum oil: Optimization of modified β -zeolite catalyzed pre-treatment. Bioresource Technology, 2011, 102, 1066-1072.	9.6	71
35	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
36	Lead(II) Adsorption onto Sulphuric Acid Treated Cashew Nut Shell. Separation Science and Technology, 2011, 46, 2436-2449.	2.5	69

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37	Efficient mesoporous SO ₄ ²⁻ /Zr-KIT-6 solid acid catalyst for green diesel production from esterification of oleic acid. <i>Fuel</i> , 2017, 203, 488-500.	6.4	67
38	Adsorption equilibrium, thermodynamics, kinetics, mechanism and process design of zinc(II) ions onto cashew nut shell. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 973-982.	1.7	65
39	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.	7.1	63
40	Biochemical characterization of three phase partitioned laccase and its application in decolorization and degradation of synthetic dyes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 74, 63-72.	1.8	61
41	Modified hectorites and adsorption studies of a reactive dye. <i>Applied Clay Science</i> , 2007, 37, 207-214.	5.2	60
42	Thermophilic composting of municipal solid waste. <i>Applied Energy</i> , 2009, 86, 663-668.	10.1	60
43	Turn-On fluorescence sensor based detection of heavy metal ion using carbon dots@graphitic-carbon nitride nanocomposite probe. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112204.	3.9	56
44	Pseudo second order kinetic models for safranin onto rice husk: Comparison of linear and non-linear regression analysis. <i>Process Biochemistry</i> , 2006, 41, 1198-1202.	3.7	55
45	Optimization of the process parameters for the removal of reactive yellow dye by the low cost <i>Setaria verticillata</i> carbon using response surface methodology: Thermodynamic, kinetic, and equilibrium studies. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 855-865.	2.3	52
46	Cs-tungstosilicic acid/Zr-KIT-6 for esterification of oleic acid and transesterification of non-edible oils for green diesel production. <i>Fuel</i> , 2018, 234, 824-835.	6.4	52
47	Removal of free fatty acid in <i>Azadirachta indica</i> (Neem) seed oil using phosphoric acid modified mordenite for biodiesel production. <i>Bioresource Technology</i> , 2010, 101, 5897-5902.	9.6	51
48	Removal of Acid Violet 17 from Aqueous Solutions by Adsorption onto Activated Carbon Prepared from Pistachio Nut Shell. <i>Separation Science and Technology</i> , 2010, 46, 155-163.	2.5	44
49	Carrier-free co-immobilization of xylanase, cellulase and β -1,3-glucanase as combined cross-linked enzyme aggregates (combi-CLEAs) for one-pot saccharification of sugarcane bagasse. <i>RSC Advances</i> , 2016, 6, 32849-32857.	3.6	41
50	Biodegradation of Remazol Brilliant Blue R using isolated bacterial culture (<i>Staphylococcus</i> sp.) <i>Trends in Biotechnology</i> , 2010, 28, 10-14.	2.2	41
51	Screening and induction of laccase activity in fungal species and its application in dye decolorization. <i>African Journal of Microbiology Research</i> , 2011, 5, 1261-1267.	0.4	40
52	Study on effectiveness of activated calcium oxide in pilot plant biodiesel production. <i>Journal of Cleaner Production</i> , 2019, 225, 18-26.	9.3	40
53	Critical review on biological treatment strategies of dairy wastewater. <i>Journal of Environmental Management</i> , 2010, 91, 94-109.		40
54	Novel hyperbranched polyurethane resins for the removal of heavy metal ions from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2016, 104, 11-23.	5.6	39

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55	MoS ₂ nanosheets as an effective fluorescent quencher for successive detection of arsenic ions in aqueous system. <i>Applied Surface Science</i> , 2018, 449, 31-38.	6.1	38
56	Bioconversion of Lignocellulosic Biomass to Fermentable Sugars by Immobilized Magnetic Cellulolytic Enzyme Cocktails. <i>Langmuir</i> , 2018, 34, 6546-6555.	3.5	38
57	Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1043-1063.	16.2	38
58	The use of new modified poly(acrylamide) chelating resin with pendent benzothiazole groups containing donor atoms in the removal of heavy metal ions from aqueous solutions. <i>Water Resources and Industry</i> , 2014, 5, 21-35.	3.9	34
59	Adsorptive Removal of Acid Blue 15: Equilibrium and Kinetic Study. <i>Clean - Soil, Air, Water</i> , 2008, 36, 798-804.	1.1	32
60	Modelling of lead(II) ion adsorption onto poly(thiourea imine) functionalized chelating resin using response surface methodology (RSM). <i>Journal of Water Process Engineering</i> , 2014, 3, 132-143.	5.6	32
61	Experimental investigation on cleaner process of enhanced fat-oil extraction from alkaline leather fleshing waste. <i>Journal of Cleaner Production</i> , 2018, 175, 1-7.	9.3	32
62	Tea powder waste as a potential co-substrate for enhancing the methane production in Anaerobic Digestion of carbon-rich organic waste. <i>Journal of Cleaner Production</i> , 2018, 199, 651-658.	9.3	32
63	Surface ozone measurements at urban coastal site Chennai, in India. <i>Journal of Hazardous Materials</i> , 2006, 137, 1554-1559.	12.4	31
64	Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. <i>Chemical Engineering Journal</i> , 2020, 393, 124770.	12.7	31
65	Kinetic and thermodynamic studies on the removal of Zn ²⁺ and Ni ²⁺ from their aqueous solution using poly(phenylthiourea)imine. <i>Chemical Engineering Journal</i> , 2012, 197, 368-378.	12.7	30
66	Chemometric formulation of bacterial consortium-AVS for improved decolorization of resonance-stabilized and heteropolyaromatic dyes. <i>Bioresource Technology</i> , 2012, 123, 344-351.	9.6	29
67	Application of Response Surface Methodology to Optimize Three Phase Partitioning for Purification of Laccase from <i>Pleurotus ostreatus</i> . <i>Separation Science and Technology</i> , 2011, 46, 1922-1930.	2.5	28
68	A Turn-ON fluorometric biosensor based on ssDNA immobilized with a metal phenolic nanomaterial for the sequential detection of Pb ²⁺ and epirubicin cancer drug. <i>RSC Advances</i> , 2021, 11, 12361-12373.	3.6	28
69	Colorimetric determination of Hg(II) sensor based on magnetic nanocomposite (Fe ₃ O ₄ @ZIF-67) acting as peroxidase mimics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 715-724.	3.9	27
70	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
71	High Catalytic Activity of Fluorophore-Labeled Y-Shaped DNAzyme/3D MOF-MoS ₂ NBs as a Versatile Biosensing Platform for the Simultaneous Detection of Hg ²⁺ , Ni ²⁺ , and Ag ⁺ Ions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31710-31724.	8.0	26
72	Concomitant mineralization and detoxification of acid red 88 by an indigenous acclimated mixed culture. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1455-1466.	2.3	25

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73	Fluorescence Quenching of SulfoRhodamine Dye over Graphene Oxide and Boron Nitride Nanosheets. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2125-2130.	2.0	25
74	Detection of short ssDNA and dsDNA by current-voltage measurements using conical nanopores coated with Al ₂ O ₃ by atomic layer deposition. <i>Mikrochimica Acta</i> , 2016, 183, 1011-1017.	5.0	25
75	<i>Aspergillus niger</i> exo- α -glucosidase purification by three phase partitioning. <i>Engineering in Life Sciences</i> , 2011, 11, 607-614.	3.6	24
76	Removal of chromium (VI) from aqueous solution using chemically modified corncorbâ€activated carbon: Equilibrium and kinetic studies. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 673-680.	2.3	24
77	Production, Partial Purification and Characterization of Enzyme Cocktail from <i>Trichoderma citrinoviride</i> AUKAR04 Through Solid-State Fermentation. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 53-63.	3.0	24
78	Mineralization of aromatic amines liberated during the degradation of a sulfonated textile colorant using <i>Klebsiella pneumoniae</i> strain AHM. <i>Process Biochemistry</i> , 2017, 57, 181-189.	3.7	23
79	DNAzyme Based Amplified Biosensor on Ultrasensitive Fluorescence Detection of Pb (II) Ions from Aqueous System. <i>Journal of Fluorescence</i> , 2017, 27, 2101-2109.	2.5	23
80	Extraction and characterization of oil from macroalgae <i>Cladophora glomerata</i> . <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 2133-2139.	2.3	23
81	Immobilization of ssDNA on a metal-organic framework derived magnetic porous carbon (MPC) composite as a fluorescent sensing platform for the detection of arsenate ions. <i>Analyst, The</i> , 2019, 144, 3111-3118.	3.5	23
82	Systemic Concocting of Cross-Linked Enzyme Aggregates of <i>Candida antarctica</i> Lipase B (Novozyme 435) for the Biomanufacturing of Rhamnolipids. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 477-490.	2.1	23
83	Air quality monitoring in Chennai, India, in the summer of 2005. <i>Journal of Hazardous Materials</i> , 2006, 136, 589-596.	12.4	22
84	Synthesis, characterization, and heavy metal ion adsorption studies of polyamides, polythioamides having pendent chlorobenzylidene rings. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1634-1642.	2.6	22
85	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
86	Concocted bacterial consortium for the detoxification and mineralization of azoic-cum-sulfonic textile mill effluent. <i>Journal of Water Process Engineering</i> , 2017, 16, 199-205.	5.6	20
87	Removal of free fatty acids in <i>Pongamia Pinnata</i> (Karanja) oil using divinylbenzene-styrene copolymer resins for biodiesel production. <i>Biomass and Bioenergy</i> , 2012, 37, 335-341.	5.7	18
88	Novel Polymeric Adsorbents Bearing Amide, Pyridyl, Azomethine and Thiourea Binding Sites for the Removal of Cu(II) and Pb(II) Ions from Aqueous Solution. <i>Separation Science and Technology</i> , 2012, 48, 254-262.	2.5	17
89	Enhanced Adsorption Capacity of Biomass through Ultrasonication for the Removal of Toxic Cadmium Ions from Aquatic System: Temperature Influence on Isotherms and Kinetics. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	2.0	17
90	Effects of ambient air pollution on respiratory and eye illness in population living in Kodungaiyur, Chennai. <i>Atmospheric Environment</i> , 2019, 203, 166-171.	4.1	17

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91	Achromobacter xylosoxidans strain APZ for phthalocyanine dye degradation: Chemo-metric optimization and canonical correlation analyses. Journal of Water Process Engineering, 2017, 18, 73-82.	5.6	16
92	Phosphoric acid modified-Y zeolites: A novel, efficient and versatile ion exchanger. Journal of Hazardous Materials, 2008, 159, 427-434.	12.4	15
93	Eco-Friendly Treatment Strategies for Wastewater Containing Dyes and Heavy Metals. Energy, Environment, and Sustainability, 2018, , 317-360.	1.0	15
94	Utilization of leather fleshing waste as a feedstock for sustainable biodiesel production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-7.	2.3	14
95	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
96	Kinetic and equilibrium studies on the biosorption of textile dyes onto Plantago ovata seeds. Korean Journal of Chemical Engineering, 2013, 30, 1248-1256.	2.7	13
97	Effective Removal of Heavy Metal Ions Using Mn ₂ O ₃ Doped Polyaniline Nanocomposite. Journal of Nanoscience and Nanotechnology, 2014, 14, 2937-2946.	0.9	13
98	Kinetic studies and isotherm modeling for the removal of Ni ²⁺ and Pb ²⁺ ions by modified activated carbon using sulfuric acid. Environmental Progress and Sustainable Energy, 2014, 33, 844-854.	2.3	13
99	Evaluation of equilibrium, kinetic, and thermodynamic parameters for adsorption of Cd ²⁺ ion and methyl red dye onto amorphous poly(azomethinethioamide) resin. Desalination and Water Treatment, 2014, 52, 3477-3488.	1.0	13
100	Enhanced biohydrogen production from leather fleshing waste co-digested with tannery treatment plant sludge using anaerobic hydrogenic batch reactor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 586-593.	2.3	13
101	MoS ₂ nanosheet mediated ZnO@g-C ₃ N ₄ nanocomposite as a peroxidase mimic: catalytic activity and application in the colorimetric determination of Hg(ⁱⁱ). RSC Advances, 2019, 9, 4268-4276.	3.6	13
102	Production of thermostable multiple enzymes from <i>Bacillus amyloliquefaciens</i> KUB29. Natural Product Research, 2019, 33, 1674-1677.	1.8	13
103	Experimental investigation of biodiesel production from Madhuca longifolia seed through in situ transesterification and its kinetics and thermodynamic studies. Environmental Science and Pollution Research, 2020, 27, 36450-36462.	5.3	13
104	Comparative studies on adsorption of dye and heavy metal ions from effluents using eco-friendly adsorbent. Materials Today: Proceedings, 2021, 36, 775-781.	1.8	13
105	ADSORPTION OF METHYLENE BLUE DYE ONTO SURFACE MODIFIED CASHEW NUT SHELL. Environmental Engineering and Management Journal, 2014, 13, 545-556.	0.6	13
106	A study on the removal of heavy metals and anionic dyes from aqueous solution by amorphous polyamide resin containing chlorobenzalimine and thioamide as chelating groups. Korean Journal of Chemical Engineering, 2015, 32, 650-660.	2.7	12
107	Dyes decolorization using silver nanoparticles supported on nanometric diamond as highly efficient photocatalyst under natural Sunlight irradiation. Journal of Environmental Chemical Engineering, 2016, 4, 4485-4493.	6.7	12
108	Anaerobic Codigestion of Alkali-Pretreated <i>Prosopis juliflora</i> Biomass with Sewage Sludge for Biomethane Production. Energy & Fuels, 2019, 33, 7357-7365.	5.1	12

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109	Individual and simultaneous adsorption of Ni (II), Cd (II), and Zn (II) ions over polyamide resin: Equilibrium, kinetic and thermodynamic studies. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S340.	2.3	12
110	Feasibility of biodiesel production from waste cooking oil: lab-scale to pilot-scale analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25828-25835.	5.3	12
111	Fabrication of multi-functional CuO@PDA-MoS ₂ mediated dual-functional fluorescence Aptamer for the detection of Hg ²⁺ ions and chloramphenicol through desulfurization cleavage reaction and exonuclease I activity. <i>Applied Surface Science</i> , 2022, 602, 154222.	6.1	12
112	Removal of Nickel(II) from Aqueous Solutions by Adsorption with Modified ZSM- 5 Zeolites. <i>E-Journal of Chemistry</i> , 2009, 6, 729-736.	0.5	11
113	Adsorption of Pb(II) ions onto surface modified <i>Guazuma ulmifolia</i> seeds and batch adsorber design. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 307-316.	2.3	11
114	Adsorption of Congo Red Dye over Pendant Chlorobenzylidene Rings Present on Polythioamide Resin: Kinetic and Equilibrium Studies. <i>Separation Science and Technology</i> , 2013, 48, 1450-1458.	2.5	11
115	Indigenously acclimatized bacterial consortium for anthracene biotransformation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 528-537.	2.3	11
116	An integrated anaerobic digestion and microbial electrolysis system for the enhancement of methane production from organic waste: Fundamentals, innovative design and scale-up deliberation. <i>Chemosphere</i> , 2022, 287, 131886.	8.2	11
117	Degradation of pesticide-contaminated wastewater (coragen) using electrocoagulation process with iron electrodes. , 0, 165, 103-110.		11
118	Ice nucleation of AgI and CuBr nucleants in the presence of electric field. <i>Materials Chemistry and Physics</i> , 1991, 27, 385-392.	4.0	8
119	Kinetics and adsorption equilibrium in the system aqueous solution of copper ions and granulated activated carbon. <i>Russian Chemical Bulletin</i> , 2010, 59, 1859-1864.	1.5	8
120	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
121	Application of Artificial Neural Network as a nonhazardous alternative on kinetic analysis and modeling for green synthesis of cobalt nanocatalyst from <i>Ocimum tenuiflorum</i> . <i>Journal of Hazardous Materials</i> , 2021, 416, 125720.	12.4	8
122	ADSORPTION OF AN ANIONIC DYE ONTO NATIVE AND CHEMICALLY MODIFIED AGRICULTURAL WASTE. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 257-270.	0.6	8
123	The Solid Acid Catalyzed Esterification of Free Fatty Acids in <i>Pongamia Pinnata</i> Oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2012, 34, 2016-2022.	2.3	7
124	Two step biodiesel production from <i>Calophyllum inophyllum</i> oil: Studies on thermodynamic and kinetic modelling of modified zeolite catalysed pretreatment. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 1178-1185.	1.7	7
125	Detoxification of a triphenylmethane textile colorant using acclimated cells of <i>Bacillus mannanilyticus</i> strain AVS. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 394-403.	2.3	7
126	Magnetically assisted commercially attractive chemo-enzymatic route for the production of 5-hydroxymethylfurfural from inulin. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2557-2567.	4.6	7

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127	REMOVAL OF Cu (II) IONS FROM AQUEOUS SOLUTION BY ADSORPTION ONTO ACTIVATED CARBON PRODUCED FROM <i>Guazuma ulmifolia</i> SEEDS. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 905-914.	0.6	7
128	Growth and microhardness studies of melt-grown lead (II) chloride single crystals. <i>Crystal Research and Technology</i> , 1990, 25, 1353-1357.	1.3	6
129	Optimization of free fatty acids reduction in <i>Calophyllum inophyllum</i> (pinnai) oil using modified zirconia catalyst for biodiesel production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 140-149.	1.5	6
130	Synthesis of iron nano-catalyst using <i>Acalypha indica</i> leaf extracts for biogas production from mixed liquor volatile suspended solids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 772-779.	2.3	6
131	Degradation of phenol from retting-pond wastewater using anaerobic sludge reactor integrated with photo catalytic treatment. <i>Chemical Physics Letters</i> , 2019, 734, 136727.	2.6	6
132	Effective removal of heavy metal ions from aqueous solutions using a new chelating resin poly [2,5-(1,3,4-thiadiazole)-benzalimine]: kinetic and thermodynamic study. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 310-324.	2.3	6
133	Removal of Malachite Green from Aqueous Solutions by Perlite. <i>International Journal of Chemical Reactor Engineering</i> , 2009, 7, .	1.1	5
134	The Esterification of Free Fatty Acids in Karanja (<i>Pongamia Pinnata</i>) Oil Using Phosphoric Acid Modified Zeolite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2012, 34, 2234-2241.	2.3	5
135	Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 866-880.	2.3	5
136	Enhanced biogas from sewage sludge digestion using iron nanocatalyst from <i>Vitex negundo</i> leaf extract: response surface modeling. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2161-2172.	3.5	5
137	Amino-functionalised mesoporous silica microspheres for immobilisation of <i>Candida antarctica</i> lipase B application towards greener production of 2,5-furandicarboxylic acid. <i>IET Nanobiotechnology</i> , 2020, 14, 732-738.	3.8	5
138	Equilibrium and kinetic studies on the adsorption of Ni(II) ion from an aqueous solution using activated carbon prepared from <i>Theobroma cacao</i> (cocoa) shell. <i>Desalination and Water Treatment</i> , 0, , 1-13.	1.0	4
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