

# Sivanesan Subramanian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3402673/publications.pdf>

Version: 2024-02-01

172  
papers

7,703  
citations

47006

47  
h-index

58581

82  
g-index

172  
all docs

172  
docs citations

172  
times ranked

7841  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Fabrication of multi-functional CuO@PDA-MoS <sub>2</sub> mediated dual-functional fluorescence Aptamer for the detection of Hg <sup>2+</sup> ions and chloramphenicol through desulfurization cleavage reaction and exonuclease I activity. <i>Applied Surface Science</i> , 2022, 602, 154222.	6.1	12
6	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
7	Comparative studies on adsorption of dye and heavy metal ions from effluents using eco-friendly adsorbent. <i>Materials Today: Proceedings</i> , 2021, 36, 775-781.	1.8	13
8	Enhanced biogas from sewage sludge digestion using iron nanocatalyst from Vitex negundo leaf extract: response surface modeling. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2161-2172.	3.5	5
9	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
10	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
11	Production of optically pure lactic acid by microbial fermentation: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 539-556.	16.2	72
12	Development of a sustainable route for the production of high-fructose syrup from the polyfructan inulin. <i>IET Nanobiotechnology</i> , 2021, 15, 149-156.	3.8	1
13	High Catalytic Activity of Fluorophore-Labeled Y-Shaped DNAzyme/3D MOF-MoS <sub>2</sub> -NBs as a Versatile Biosensing Platform for the Simultaneous Detection of Hg <sup>2+</sup> , Ni <sup>2+</sup> , and Ag <sup>+</sup> Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31710-31724.	8.0	26
14	Application of Artificial Neural Network as a nonhazardous alternative on kinetic analysis and modeling for green synthesis of cobalt nanocatalyst from Ocimum tenuiflorum. <i>Journal of Hazardous Materials</i> , 2021, 416, 125720.	12.4	8
15	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
16	Electrooxidation of coragen-contaminated wastewater using graphite electrodes and sorbent nano-hydroxyapatite. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-10.	2.2	0
17	A Turn-ON fluorometric biosensor based on ssDNA immobilized with a metal phenolic nanomaterial for the sequential detection of Pb(II) and epirubicin cancer drug. <i>RSC Advances</i> , 2021, 11, 12361-12373.	3.6	28
18	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

#	ARTICLE	IF	CITATIONS
19	Statistical evaluation of PM <sub>2.5</sub> and dissemination of PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>2</sub> during Diwali at Chennai, India. <i>Natural Hazards</i> , 2020, 103, 3847-3861.	3.4	4
20	Reliability of Results of Measurements of Air Pollution by Solid Particles by the Method of Detection of Scattered Laser Radiation. <i>Measurement Techniques</i> , 2020, 63, 266-272.	0.6	0
21	Smartphone APP for Continuous Observation of Pollution Levels Due to Particulate Matter Measured by Laser Mie Scattering. <i>Journal of the Institution of Engineers (India): Series A</i> , 2020, 101, 495-502.	1.2	0
22	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
23	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
24	Experimental investigation of biodiesel production from <i>Madhuca longifolia</i> seed through in situ transesterification and its kinetics and thermodynamic studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36450-36462.	5.3	13
25	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
26	Anaerobic Codigestion of Alkali-Pretreated <i>Prosopis juliflora</i> Biomass with Sewage Sludge for Biomethane Production. <i>Energy &amp; Fuels</i> , 2019, 33, 7357-7365.	5.1	12
27	Removal of phenol in coir retting wastewater by membrane bioreactor combined with photo-fenton process using RSM. <i>Materials Research Express</i> , 2019, 6, 115506.	1.6	3
28	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
29	MoS <sub>2</sub> nanosheet mediated ZnO-g-C <sub>3</sub> N <sub>4</sub> nanocomposite as a peroxidase mimic: catalytic activity and application in the colorimetric determination of Hg(II). <i>RSC Advances</i> , 2019, 9, 4268-4276.	3.6	13
30	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</i> , 2019, 144, 3111-3118.	3.5	23
31	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
32	Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 42-53.	20.2	87
33	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
34	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
35	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
36	Mixing strategies of high solids anaerobic co-digestion using food waste with sewage sludge for enhanced biogas production. <i>Journal of Cleaner Production</i> , 2019, 210, 388-400.	9.3	99

#	ARTICLE	IF	CITATIONS
37	Comparison of different mixing phenomena in anaerobic digestion using food waste and sewage treatment plant for green biofuel through simulations of velocity contours. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2233-2245.	2.3	2
38	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
39	Production of thermostable multiple enzymes from <i>Bacillus amyloliquefaciens</i> KUB29. <i>Natural Product Research</i> , 2019, 33, 1674-1677.	1.8	13
40	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
41	Assessment of air quality index of urban area and epidemiological investigations in Chennai. <i>Journal of Environmental Biology</i> , 2019, 40, 790-795.	0.5	0
42	Phenol degradation and chemical oxygen demand analysis of coir retting wastewater using anaerobic treatment. <i>Journal of Environmental Biology</i> , 2019, 40, 784-789.	0.5	1
43	Enhanced biohydrogen production from leather fleshing waste co-digested with tannery treatment plant sludge using anaerobic hydrogenic batch reactor. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 586-593.	2.3	13
44	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
45	Biodegradation of Remazol Brilliant Blue R using isolated bacterial culture ( <i>Staphylococcus</i> sp.) Tj ETQq1 1 0,784314 rgBT /Ove	2.2	41
46	Eco-Friendly Treatment Strategies for Wastewater Containing Dyes and Heavy Metals. <i>Energy, Environment, and Sustainability</i> , 2018, , 317-360.	1.0	15
47	MoS <sub>2</sub> 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
48	Role of Bacterial Consortia in Bioremediation of Textile Recalcitrant Compounds. <i>Energy, Environment, and Sustainability</i> , 2018, , 165-183.	1.0	3
49	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
50	Effects of retting pond wastewater pollution and seasonal variation. <i>International Journal of Environment and Sustainable Development</i> , 2018, 17, 216.	0.3	1
51	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
52	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
53	Colorimetric determination of Hg(II) sensor based on magnetic nanocomposite (Fe <sub>3</sub> O <sub>4</sub> @ZIF-67) acting as peroxidase mimics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 715-724.	3.9	27
54	Bioconversion of Lignocellulosic Biomass to Fermentable Sugars by Immobilized Magnetic Cellulolytic Enzyme Cocktails. <i>Langmuir</i> , 2018, 34, 6546-6555.	3.5	38

#	ARTICLE	IF	CITATIONS
55	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
56	Synthesis and metal ion uptake studies of chelating polyurethane resin containing donor atoms: Experimental optimization and temperature studies. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 944-953.	1.7	3
57	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
58	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
59	Efficient mesoporous SO <sub>4</sub> <sup>2-</sup> /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
60	<i>Achromobacter xylosoxidans</i> strain APZ for phthalocyanine dye degradation: Chemo-metric optimization and canonical correlation analyses. <i>Journal of Water Process Engineering</i> , 2017, 18, 73-82.	5.6	16
61	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
62	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
63	Auxin biosynthetic intermediate genes and their role in developmental growth and plasticity in higher plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2017, 26, 321-329.	1.7	1
64	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
65	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
66	Review on nanoadsorbents: a solution for heavy metal removal from wastewater. <i>IET Nanobiotechnology</i> , 2017, 11, 213-224.	3.8	77
67	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
68	Modified zeolite as a catalyst for <i>Pongamia pinnata</i> oil esterification in biodiesel production. <i>International Journal of Materials and Product Technology</i> , 2017, 55, 278.	0.2	4
69	Modified zeolite as a catalyst for <i>Pongamia pinnata</i> oil esterification in biodiesel production. <i>International Journal of Materials and Product Technology</i> , 2017, 55, 278.	0.2	1
70	High Permeate Recovery for Concentrate Reduction by Integrated Membrane Process in Textile Effluent. <i>Water Environment Research</i> , 2016, 88, 838-846.	2.7	2
71	Biogas production from food waste codigested with sewage treatment plant sludge using biochemical methane potential method. <i>International Journal of Environment and Sustainable Development</i> , 2016, 15, 300.	0.3	3
72	Dyes decolorization using silver nanoparticles supported on nanometric diamond as highly efficient photocatalyst under natural Sunlight irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4485-4493.	6.7	12

#	ARTICLE	IF	CITATIONS
73	Application of $\text{TiO}_2$ -MnO <sub>2</sub> 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
74	Novel hyperbranched polyurethane resins for the removal of heavy metal ions from aqueous solution. Chemical Engineering Research and Design, 2016, 104, 11-23.	5.6	39
75	Performance evaluation of sewage treatment plant at a residential building. International Journal of Environment and Sustainable Development, 2016, 15, 326.	0.3	2
76	Fluorescence Quenching of SulfoRhodamine Dye over Graphene Oxide and Boron Nitride Nanosheets. European Journal of Inorganic Chemistry, 2016, 2016, 2125-2130.	2.0	25
77	Carrier-free co-immobilization of xylanase, cellulase and $\alpha$ -1,3-glucanase as combined cross-linked enzyme aggregates (combi-CLEAs) for one-pot saccharification of sugarcane bagasse. RSC Advances, 2016, 6, 32849-32857.	3.6	41
78	Detection of short ssDNA and dsDNA by current-voltage measurements using conical nanopores coated with Al <sub>2</sub> O <sub>3</sub> by atomic layer deposition. Mikrochimica Acta, 2016, 183, 1011-1017.	5.0	25
79	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. Journal of Water Reuse and Desalination, 2016, 6, 310-324.	2.3	6
80	Adsorption kinetic, equilibrium and thermodynamic investigations of Zn(II) and Ni(II) ions removal by poly(azomethinethioamide) resin with pendent chlorobenzylidene ring. Polish Journal of Chemical Technology, 2015, 17, 100-109.	0.5	4
81	Concomitant mineralization and detoxification of acid red 88 by an indigenous acclimated mixed culture. Environmental Progress and Sustainable Energy, 2015, 34, 1455-1466.	2.3	25
82	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
83	Effective Removal of Heavy Metal Ions Using Mn <sub>2</sub> O <sub>3</sub> Doped Polyaniline Nanocomposite. Journal of Nanoscience and Nanotechnology, 2014, 14, 2937-2946.	0.9	13
84	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. Environmental Progress and Sustainable Energy, 2014, 33, 855-865.	2.3	52
85	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. Water Resources and Industry, 2014, 5, 21-35.	3.9	34
86	Kinetic studies and isotherm modeling for the removal of Ni <sup>2+</sup> and Pb <sup>2+</sup> ions by modified activated carbon using sulfuric acid. Environmental Progress and Sustainable Energy, 2014, 33, 844-854.	2.3	13
87	Evaluation of equilibrium, kinetic, and thermodynamic parameters for adsorption of Cd <sup>2+</sup> ion and methyl red dye onto amorphous poly(azomethinethioamide) resin. Desalination and Water Treatment, 2014, 52, 3477-3488.	1.0	13
88	Modelling of lead(II) ion adsorption onto poly(thiourea imine) functionalized chelating resin using response surface methodology (RSM). Journal of Water Process Engineering, 2014, 3, 132-143.	5.6	32
89	Magnetic cross-linked laccase aggregates – Bioremediation tool for decolorization of distinct classes of recalcitrant dyes. Science of the Total Environment, 2014, 487, 830-839.	8.0	137
90	ADSORPTION OF METHYLENE BLUE DYE ONTO SURFACE MODIFIED CASHEW NUT SHELL. Environmental Engineering and Management Journal, 2014, 13, 545-556.	0.6	13

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	Adsorption behavior of methylene blue dye onto surface modified <i>Strychnos potatorum</i> seeds. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 624-632.	2.3	70
94	Kinetic and equilibrium studies on the biosorption of textile dyes onto <i>Plantago ovata</i> seeds. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1248-1256.	2.7	13
95	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
96	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
97	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
98	The Esterification of Free Fatty Acids in <i>Karanja (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
99	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
100	Preparation and characterization of porous cross linked laccase aggregates for the decolorization of triphenyl methane and reactive dyes. <i>Bioresource Technology</i> , 2012, 119, 28-34.	9.6	79
101	Kinetic and thermodynamic studies on the removal of Zn <sup>2+</sup> and Ni <sup>2+</sup> from their aqueous solution using poly(phenylthiourea)imine. <i>Chemical Engineering Journal</i> , 2012, 197, 368-378.	12.7	30
102	Acid-catalyzed esterification of <i>karanja (Pongamia pinnata)</i> oil with high free fatty acids for biodiesel production. <i>Fuel</i> , 2012, 98, 1-4.	6.4	131
103	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
104	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
105	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
106	Removal of cadmium(II) from aqueous solution by agricultural waste cashew nut shell. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 756-768.	2.7	108
107	Removal of free fatty acids in <i>Pongamia Pinnata (Karanja)</i> oil using divinylbenzene-styrene copolymer resins for biodiesel production. <i>Biomass and Bioenergy</i> , 2012, 37, 335-341.	5.7	18
108	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

#	ARTICLE	IF	CITATIONS
109	Adsorption of Metal Ions onto the Chemically Modified Agricultural Waste. <i>Clean - Soil, Air, Water</i> , 2012, 40, 188-197.	1.1	74
110	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
111	Lead(II) Adsorption onto Sulphuric Acid Treated Cashew Nut Shell. <i>Separation Science and Technology</i> , 2011, 46, 2436-2449.	2.5	69
112	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
113	Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design. <i>Colloid Journal</i> , 2011, 73, 651-661.	1.3	74
114	<i>Aspergillus niger</i> exo- $\alpha$ -glucosidase purification by three phase partitioning. <i>Engineering in Life Sciences</i> , 2011, 11, 607-614.	3.6	24
115	Thermodynamic, kinetic, and equilibrium studies on phenol removal by use of cashew nut shell. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 284-291.	1.7	13
116	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
117	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
118	Two-step biodiesel production from <i>Calophyllum inophyllum</i> oil: Optimization of modified $\beta$ -zeolite catalyzed pre-treatment. <i>Bioresource Technology</i> , 2011, 102, 1066-1072.	9.6	71
119	Removal of copper(II) ions from aqueous solution by adsorption using cashew nut shell. <i>Desalination</i> , 2011, 266, 63-71.	8.2	182
120	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
121	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
122	ADSORPTION OF DYE FROM AQUEOUS SOLUTION USING SILVER WOOD SAWDUST CARBON. <i>Environmental Engineering and Management Journal</i> , 2011, 10, 451-460.	0.6	3
123	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
124	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
125	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
126	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



#	ARTICLE	IF	CITATIONS
127	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
128	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
129	Removal of Malachite Green from Aqueous Solutions by Perlite. <i>International Journal of Chemical Reactor Engineering</i> , 2009, 7, .	1.1	5
130	Thermophilic composting of municipal solid waste. <i>Applied Energy</i> , 2009, 86, 663-668.	10.1	60
131	Weekend Weekday differences in near-surface ozone concentrations in Chennai, South India. <i>International Journal of Environment and Waste Management</i> , 2009, 4, 213.	0.3	0
132	Adsorptive Removal of Acid Blue 15: Equilibrium and Kinetic Study. <i>Clean - Soil, Air, Water</i> , 2008, 36, 798-804.	1.1	32
133	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
134	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
135	Equilibrium and kinetic studies on the removal of Acid Red 114 from aqueous solutions using activated carbons prepared from seed shells. <i>Journal of Hazardous Materials</i> , 2008, 158, 142-150.	12.4	102
136	Phosphoric acid modified-Y zeolites: A novel, efficient and versatile ion exchanger. <i>Journal of Hazardous Materials</i> , 2008, 159, 427-434.	12.4	15
137	Modified hectorites and adsorption studies of a reactive dye. <i>Applied Clay Science</i> , 2007, 37, 207-214.	5.2	60
138	Isotherms for Malachite Green onto rubber wood ( <i>Hevea brasiliensis</i> ) sawdust: Comparison of linear and non-linear methods. <i>Dyes and Pigments</i> , 2007, 72, 124-129.	3.7	103
139	Production of biogas from municipal solid waste with domestic sewage. <i>Journal of Hazardous Materials</i> , 2007, 141, 301-304.	12.4	124
140	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
141	Removal of Safranin Basic Dye from Aqueous Solutions by Adsorption onto Corncob Activated Carbon. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7627-7632.	3.7	138
142	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
143	Adsorption of acid dye onto organobentonite. <i>Journal of Hazardous Materials</i> , 2006, 128, 138-144.	12.4	248
144	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

#	ARTICLE	IF	CITATIONS
145	Equilibrium data, isotherm parameters and process design for partial and complete isotherm of methylene blue onto activated carbon. <i>Journal of Hazardous Materials</i> , 2006, 134, 237-244.	12.4	95
146	Selection of optimum sorption kinetics: Comparison of linear and non-linear method. <i>Journal of Hazardous Materials</i> , 2006, 134, 277-279.	12.4	85
147	Air quality monitoring in Chennai, India, in the summer of 2005. <i>Journal of Hazardous Materials</i> , 2006, 136, 589-596.	12.4	22
148	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
149	Equilibrium studies for the adsorption of Acid dye onto modified hectorite. <i>Journal of Hazardous Materials</i> , 2006, 136, 989-992.	12.4	81
150	Surface ozone measurements at urban coastal site Chennai, in India. <i>Journal of Hazardous Materials</i> , 2006, 137, 1554-1559.	12.4	31
151	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
152	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
153	Comparison of linear and non-linear method in estimating the sorption isotherm parameters for safranin onto activated carbon. <i>Journal of Hazardous Materials</i> , 2005, 123, 288-292.	12.4	101
154	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
155	Prediction of optimum sorption isotherm: Comparison of linear and non-linear method. <i>Journal of Hazardous Materials</i> , 2005, 126, 198-201.	12.4	95
156	Formation Mechanism of Peroxides in Reactions of Cyclic Olefins with Ozone in Air. <i>Chemistry Letters</i> , 2001, 30, 1248-1249.	1.3	0
157	Growth and Characterisation of Gel-grown Lead(II)Chloride and Lead(II)Bromide Single Crystals. <i>Crystal Research and Technology</i> , 1995, 30, 299-306.	1.3	1
158	Effect of Ultraviolet Irradiation on the Ice Nucleating Ability of AgI-AgCl-CuI System. <i>Crystal Research and Technology</i> , 1995, 30, 419-424.	1.3	0
159	Microhardness Studies of Pure and Doped Crystals of Lead(II)Chloride and Lead(II)Bromide. <i>Crystal Research and Technology</i> , 1995, 30, 425-431.	1.3	2
160	Ice nucleation of AgI-CuBr nucleants in the presence of electric field. <i>Materials Chemistry and Physics</i> , 1991, 27, 385-392.	4.0	8
161	Synthesis and X-ray diffraction analysis of AgI-CuBr solid solutions for ice nucleation. <i>Journal of Materials Science Letters</i> , 1990, 9, 263-265.	0.5	3
162	Electrical conductivity of AgI-CuI-KI solid solutions. <i>Journal of Materials Science Letters</i> , 1990, 9, 162-164.	0.5	1

#	ARTICLE	IF	CITATIONS
163	Synthesis of AgI <sub>x</sub> AgCl <sub>1-x</sub> CuI solid solutions for ice nucleation studies. Crystal Research and Technology, 1990, 25, 129-133.	1.3	1
164	Growth and microhardness studies of melt-grown lead (II) chloride single crystals. Crystal Research and Technology, 1990, 25, 1353-1357.	1.3	6
165	X-ray analysis and ice nucleating behaviour of the AgI-CuI-KI system. Journal of Materials Science, 1989, 24, 4160-4163.	3.7	1
166	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. Desalination and Water Treatment, 0, , 1-13.	1.0	4
167	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
168	Critical review on biological treatment strategies of dairy wastewater. , 0, 160, 94-109.		40
169	Degradation of pesticide-contaminated wastewater (coragen) using electrocoagulation process with iron electrodes. , 0, 165, 103-110.		11
170	improvement of <i>Pleurotus citrinopileatus</i> MTCC 1796 for enhanced production of laccase enzymes and its environmental application. , 0, 122, 293-297.		0
171	Preparation of gels of Chitosan through Hydrothermal Reaction in the Presence of Malonic Acid and Cinnamaldehyde: Characterization and Antibacterial Activity. New Journal of Chemistry, 0, , .	2.8	2
172	Oxidation of pesticide (Coragen) using triple oxide coated titanium electrodes and nano hydroxyapatite as a sorbent. , 0, 201, 313-322.		0