Ganesh Dattatraya Saratale

List of Publications by Year
in descending order

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143 papers	8,128 citations	47409 49 h-index	64407 83 g-index
146 all docs	146 docs citations	146 times ranked	10135 citing authors

#	Article	IF	Citations
1	Various strategies applied for the removal of emerging micropollutant sulfamethazine: a systematic review. Environmental Science and Pollution Research, 2023, 30, 71599-71613.	2.7	28
2	Impact of light on microalgal photosynthetic microbial fuel cells and removal of pollutants by nanoadsorbent biopolymers: Updates, challenges and innovations. Chemosphere, 2022, 288, 132589.	4.2	44
3	Recent Advances in the Development of Laccase-Based Biosensors via Nano-Immobilization Techniques. Chemosensors, 2022, 10, 58.	1.8	19
4	Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities. Polymers, 2022, 14, 648.	2.0	13
5	Developing Microbial Co-Culture System for Enhanced Polyhydroxyalkanoates (PHA) Production Using Acid Pretreated Lignocellulosic Biomass. Polymers, 2022, 14, 726.	2.0	11
6	Significance of Immune Status of SARS-CoV-2 Infected Patients in Determining the Efficacy of Therapeutic Interventions. Journal of Personalized Medicine, 2022, 12, 349.	1.1	3
7	Algal Metabolites Can Be an Immune Booster against COVID-19 Pandemic. Antioxidants, 2022, 11, 452.	2.2	7
8	Advantage of Species Diversification to Facilitate Sustainable Development of Aquaculture Sector. Biology, 2022, 11, 368.	1.3	8
9	An overview on microalgal-bacterial granular consortia for resource recovery and wastewater treatment. Bioresource Technology, 2022, 351, 127028.	4.8	18
10	Transcriptome-wide identification and computational insights into protein modeling and docking of CAMTA transcription factors in Eleusine coracana L (finger millet). International Journal of Biological Macromolecules, 2022, 206, 768-776.	3.6	3
11	Reduction of hexavalent chromium by Microbacterium paraoxydans isolated from tannery wastewater and characterization of its reduced products. Journal of Water Process Engineering, 2021, 39, 101748.	2.6	26
12	Î±-Cellulose Fibers of Paper-Waste Origin Surface-Modified with Fe3O4 and Thiolated-Chitosan for Efficacious Immobilization of Laccase. Polymers, 2021, 13, 581.	2.0	6
13	A comprehensive review on the influence of light on signaling cross-talk and molecular communication against phyto-microbiome interactions. Critical Reviews in Biotechnology, 2021, 41, 370-393.	5.1	9
14	Efficient bioconversion of sugarcane bagasse into polyhydroxybutyrate (PHB) by Lysinibacillus sp. and its characterization. Bioresource Technology, 2021, 324, 124673.	4.8	46
15	Biological characteristics and biomarkers of novel SARS-CoV-2 facilitated rapid development and implementation of diagnostic tools and surveillance measures. Biosensors and Bioelectronics, 2021, 177, 112969.	5.3	22
16	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. Bioresource Technology, 2021, 325, 124685.	4.8	138
17	Environment friendly degradation and detoxification of Congo red dye and textile industry wastewater by a newly isolated Bacillus cohnni (RKS9). Environmental Technology and Innovation, 2021, 22, 101425.	3.0	50
18	A Comprehensive Overview on the Production of Vaccines in Plant-Based Expression Systems and the Scope of Plant Biotechnology to Combat against SARS-CoV-2 Virus Pandemics. Plants, 2021, 10, 1213.	1.6	15

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19	Polypyrrole-Based Metal Nanocomposite Electrode Materials for High-Performance Supercapacitors. Metals, 2021, 11, 905.	1.0	14
20	Evaluation of cell wall-associated direct extracellular electron transfer in thermophilic Geobacillus sp.. 3 Biotech, 2021, 11, 383.	1.1	2
21	Microbial fuel cells for remediation of environmental pollutants and value addition: Special focus on coupling diatom microbial fuel cells with photocatalytic and photoelectric fuel cells. Journal of Biotechnology, 2021, 338, 5-19.	1.9	62
22	Microbial Biosurfactant: A New Frontier for Sustainable Agriculture and Pharmaceutical Industries. Antioxidants, 2021, 10, 1472.	2.2	68
23	Insights into diatom microalgal farming for treatment of wastewater and pretreatment of algal cells by ultrasonication for value creation. Environmental Research, 2021, 201, 111550.	3.7	35
24	The use of eggshell membrane for the treatment of dye-containing wastewater: Batch, kinetics and reusability studies. Chemosphere, 2021, 281, 130777.	4.2	14
25	Efficient degradation and detoxification of methylene blue dye by a newly isolated ligninolytic enzyme producing bacterium Bacillus albus MW407057. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111947.	2.5	48
26	An investigation of chemical and electrochemical conversion of SILAR grown Mn3O4 into MnO2 thin films. Journal of Environmental Management, 2021, 299, 113564.	3.8	11
27	Grape Pomace Extracted Tannin for Green Synthesis of Silver Nanoparticles: Assessment of Their Antidiabetic, Antioxidant Potential and Antimicrobial Activity. Polymers, 2021, 13, 4355.	2.0	24
28	Histidine Functionalized Gold Nanoparticles for Screening Aminoglycosides and Nanomolar Level Detection of Streptomycin in Water, Milk, and Whey. Chemosensors, 2021, 9, 358.	1.8	4
29	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. Polymers, 2021, 13, 4297.	2.0	9
30	Recent developments in nickel based electrocatalysts for ethanol electrooxidation. International Journal of Hydrogen Energy, 2020, 45, 5928-5947.	3.8	40
31	Seed-layer-free deposition of well-oriented ZnO nanorods thin films by SILAR and their photoelectrochemical studies. International Journal of Hydrogen Energy, 2020, 45, 5783-5792.	3.8	40
32	Gallic acid-functionalized silver nanoparticles as colorimetric and spectrophotometric probe for detection of Al3+ in aqueous medium. Journal of Industrial and Engineering Chemistry, 2020, 82, 243-253.	2.9	19
33	Silver nanoparticle probe for colorimetric detection of aminoglycoside antibiotics: picomolarâ€level sensitivity toward streptomycin in water, serum, and milk samples. Journal of the Science of Food and Agriculture, 2020, 100, 874-884.	1.7	33
34	Synergistic effect of Cu loading on Fe sites of fly ash for enhanced catalytic reduction of nitrophenol. Science of the Total Environment, 2020, 705, 134544.	3.9	22
35	Chitosan-Grafted Halloysite Nanotubes-Fe3O4 Composite for Laccase-Immobilization and Sulfamethoxazole-Degradation. Polymers, 2020, 12, 2221.	2.0	24
36	Exploiting Fruit Waste Grape Pomace for Silver Nanoparticles Synthesis, Assessing Their Antioxidant, Antidiabetic Potential and Antibacterial Activity Against Human Pathogens: A Novel Approach. Nanomaterials, 2020, 10, 1457.	1.9	50

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37	Utilization of Noxious Weed Water Hyacinth Biomass as a Potential Feedstock for Biopolymers Production: A Novel Approach. Polymers, 2020, 12, 1704.	2.0	37
38	Thiolation of Chitosan Loaded over Super-Magnetic Halloysite Nanotubes for Enhanced Laccase Immobilization. Nanomaterials, 2020, 10, 2560.	1.9	15
39	Development of ultrasound aided chemical pretreatment methods to enrich saccharification of wheat waste biomass for polyhydroxybutyrate production and its characterization. Industrial Crops and Products, 2020, 150, 112425.	2.5	62
40	Chlortetracycline-Functionalized Silver Nanoparticles as a Colorimetric Probe for Aminoglycosides: Ultrasensitive Determination of Kanamycin and Streptomycin. Nanomaterials, 2020, 10, 997.	1.9	20
41	Composition of Synthesized Cellulolytic Enzymes Varied with the Usage of Agricultural Substrates and Microorganisms. Applied Biochemistry and Biotechnology, 2020, 191, 1695-1710.	1.4	8
42	A review on valorization of spent coffee grounds (SCG) towards biopolymers and biocatalysts production. Bioresource Technology, 2020, 314, 123800.	4.8	54
43	Super-magnetization of pectin from orange-peel biomass for sulfamethoxazole adsorption. Cellulose, 2020, 27, 3301-3318.	2.4	33
44	Hydrometallurgical process for the recovery of yttrium from spent fluorescent lamp: Leaching and crystallization experiments. Journal of Cleaner Production, 2020, 261, 121009.	4.6	13
45	Water Purification Filter Prepared by Layer-by-layer Assembly of Paper Filter and Polypropylene-polyethylene Woven Fabrics Decorated with Silver Nanoparticles. Fibers and Polymers, 2020, 21, 751-761.	1.1	8
46	Investigation of photocatalytic degradation of reactive textile dyes by Portulaca oleracea-functionalized silver nanocomposites and exploration of their antibacterial and antidiabetic potentials. Journal of Alloys and Compounds, 2020, 833, 155083.	2.8	37
47	Liquidâ€“liquid extraction of yttrium from the sulfate leach liquor of waste fluorescent lamp powder: Process parameters and analysis. Minerals Engineering, 2020, 152, 106341.	1.8	12
48	Energetically efficient microwave disintegration of waste activated sludge for biofuel production by zeolite: Quantification of energy and biodegradability modelling. International Journal of Hydrogen Energy, 2019, 44, 2274-2288.	3.8	42
49	Whey peptide-encapsulated silver nanoparticles as a colorimetric and spectrophotometric probe for palladium(II). Mikrochimica Acta, 2019, 186, 763.	2.5	9
50	EPS bound flavins driven mediated electron transfer in thermophilic Geobacillus sp.. Microbiological Research, 2019, 229, 126324.	2.5	21
51	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. Bioresource Technology, 2019, 293, 122064.	4.8	111
52	Variation in chemical bath pH and the corresponding precursor concentration for optimizing the optical, structural and morphological properties of ZnO thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 17747-17758.	1.1	24
53	Mechanistic study of colorimetric and absorbance sensor developed for trivalent yttrium (Y3+) using chlortetracycline-functionalized silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110436.	2.5	7
54	Wheat straw extracted lignin in silver nanoparticles synthesis: Expanding its prophecy towards antineoplastic potency and hydrogen peroxide sensing ability. International Journal of Biological Macromolecules, 2019, 128, 391-400.	3.6	84

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55	Treatment of Hazardous Engineered Nanomaterials by Supermagnetized Î±-Cellulose Fibers of Renewable Paper-Waste Origin. ACS Sustainable Chemistry and Engineering, 2019, 7, 5764-5775.	3.2	12
56	Nickel nanoparticles grown by successive ionic layer adsorption and reaction method for ethanol electrooxidation and electrochemical quartz crystal microbalance study. New Journal of Chemistry, 2019, 43, 2955-2965.	1.4	18
57	Transesterification and fuel characterization of rice bran oil: A biorefinery path. Fuel, 2019, 253, 975-987.	3.4	17
58	Valorization of spent coffee grounds into biofuels and value-added products: Pathway towards integrated bio-refinery. Fuel, 2019, 254, 115640.	3.4	100
59	Biodegradation of high concentration phenol using sugarcane bagasse immobilized Candida tropicalis PHB5 in a packed-bed column reactor. Ecotoxicology and Environmental Safety, 2019, 180, 317-325.	2.9	49
60	A comprehensive review on thermochemical, biological, biochemical and hybrid conversion methods of bio-derived lignocellulosic molecules into renewable fuels. Fuel, 2019, 251, 352-367.	3.4	111
61	Phyto-fabrication of silver nanoparticles by Acacia nilotica leaves: Investigating their antineoplastic, free radical scavenging potential and application in H2O2 sensing. Journal of the Taiwan Institute of Chemical Engineers, 2019, 99, 239-249.	2.7	57
62	Feasibility analysis of homogenizer coupled solar photo Fenton process for waste activated sludge reduction. Journal of Environmental Management, 2019, 238, 251-256.	3.8	15
63	Uptake and biodegradation of emerging contaminant sulfamethoxazole from aqueous phase using Ipomoea aquatica. Chemosphere, 2019, 225, 696-704.	4.2	53
64	Phytotoxicity, cytotoxicity and genotoxicity evaluation of organic and inorganic pollutants rich tannery wastewater from a Common Effluent Treatment Plant (CETP) in Unnao district, India using Vigna radiata and Allium cepa. Chemosphere, 2019, 224, 324-332.	4.2	111
65	Phytoremediation of Heavy Metal-Contaminated Sites: Eco-environmental Concerns, Field Studies, Sustainability Issues, and Future Prospects. Reviews of Environmental Contamination and Toxicology, 2019, 249, 71-131.	0.7	103
66	Green-Synthesis of Anisotropic Peptone-Silver Nanoparticles and Its Potential Application as Anti-Bacterial Agent. Polymers, 2019, 11, 271.	2.0	28
67	Isolation and characterization of lignin-degrading bacterium Bacillus aryabhattai from pulp and paper mill wastewater and evaluation of its lignin-degrading potential. 3 Biotech, 2019, 9, 92.	1.1	54
68	Pretreatment of kenaf (Hibiscus cannabinus L.) biomass feedstock for polyhydroxybutyrate (PHB) production and characterization. Bioresource Technology, 2019, 282, 75-80.	4.8	84
69	A perspective on galactose-based fermentative hydrogen production from macroalgal biomass: Trends and opportunities. Bioresource Technology, 2019, 280, 447-458.	4.8	36
70	Biotransformation and Cytotoxicity Evaluation of Kraft Lignin Degraded by Ligninolytic Serratia liquefaciens. Frontiers in Microbiology, 2019, 10, 2364.	1.5	17
71	A review on lignin structure, pretreatments, fermentation reactions and biorefinery potential. Bioresource Technology, 2019, 271, 462-472.	4.8	386
72	Zinc oxide superstructures: Recent synthesis approaches and application for hydrogen production via photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2019, 44, 2091-2127.	3.8	82

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73	Preface to the Special Issue on â€œThe 2nd International Conference on Alternative Fuels and Energy: Future and Challenges (ICAFE 2017), 23rdâ€“25th October 2017, Daegu, Republic of Koreaâ€• International Journal of Hydrogen Energy, 2019, 44, 2079-2080.	3.8	0
74	Engine performance, emission and bio characteristics of rice bran oil derived biodiesel blends. Fuel, 2019, 239, 153-161.	3.4	44
75	Adsorptive remediation of cobalt oxide nanoparticles by magnetized Î±-cellulose fibers from waste paper biomass. Bioresource Technology, 2019, 273, 386-393.	4.8	33
76	Hydroxamic acid mediated heterogeneous Fenton-like catalysts for the efficient removal of Acid Red 88, textile wastewater and their phytotoxicity studies. Ecotoxicology and Environmental Safety, 2019, 167, 385-395.	2.9	19
77	Cost effective sludge reduction using synergetic effect of dark fenton and disperser treatment. Journal of Cleaner Production, 2019, 207, 261-270.	4.6	17
78	Biohydrogen Production From Renewable Biomass Resources. , 2019, , 247-277.		37
79	Combined effect of inorganic salts with calcium peroxide pretreatment for kenaf core biomass and their utilization for 2,3-butanediol production. Bioresource Technology, 2018, 258, 26-32.	4.8	24
80	A critical review on anaerobic digestion of microalgae and macroalgae and co-digestion of biomass for enhanced methane generation. Bioresource Technology, 2018, 262, 319-332.	4.8	214
81	Screening and optimization of pretreatments in the preparation of sugarcane bagasse feedstock for biohydrogen production and process optimization. International Journal of Hydrogen Energy, 2018, 43, 11470-11483.	3.8	45
82	Biological approaches to tackle heavy metal pollution: A survey of literature. Journal of Environmental Management, 2018, 217, 56-70.	3.8	421
83	A comprehensive review on two-stage integrative schemes for the valorization of dark fermentative effluents. Critical Reviews in Biotechnology, 2018, 38, 868-882.	5.1	48
84	Absorption kinetics of vitamin E nanoemulsion and green tea microstructures by intestinal in situ single perfusion technique in rats. Food Research International, 2018, 106, 149-155.	2.9	12
85	Enhancement of fermentative hydrogen production from Spirogyra sp. by increased carbohydrate accumulation and selection of the biomass pretreatment under a biorefinery model. Journal of Bioscience and Bioengineering, 2018, 126, 226-234.	1.1	22
86	Degradation and decolourization potential of an ligninolytic enzyme producing Aeromonas hydrophila for crystal violet dye and its phytotoxicity evaluation. Ecotoxicology and Environmental Safety, 2018, 156, 166-175.	2.9	113
87	Development of bioelectrochemical systems using various biogas fermenter effluents as inocula and municipal waste liquor as adapting substrate. Bioresource Technology, 2018, 259, 75-82.	4.8	31
88	Exploiting fruit byproducts for eco-friendly nanosynthesis: CitrusÂÃ—Âclementina peel extract mediated fabrication of silver nanoparticles with high efficacy against microbial pathogens and rat glial tumor C6 cells. Environmental Science and Pollution Research, 2018, 25, 10250-10263.	2.7	66
89	Exploiting antidiabetic activity of silver nanoparticles synthesized using Punica granatum leaves and anticancer potential against human liver cancer cells (HepG2). Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 211-222.	1.9	148
90	Continuous biogenic hydrogen production from dilute acid pretreated algal hydrolysate using hybrid immobilized mixed consortia. International Journal of Hydrogen Energy, 2018, 43, 11452-11459.	3.8	21

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91	Bio-fabrication of silver nanoparticles using the leaf extract of an ancient herbal medicine, dandelion (Taraxacum officinale), evaluation of their antioxidant, anticancer potential, and antimicrobial activity against phytopathogens. Environmental Science and Pollution Research, 2018, 25, 10392-10406.	2.7	147
92	Recent developments in nanotechnology transforming the agricultural sector: a transition replete with opportunities. Journal of the Science of Food and Agriculture, 2018, 98, 849-864.	1.7	167
93	Surpassing the current limitations of high purity H2 production in microbial electrolysis cell (MECs): Strategies for inhibiting growth of methanogens. Bioelectrochemistry, 2018, 119, 211-219.	2.4	92
94	Synthesis and characterization of silver nanoparticles using Gelidium amansii and its antimicrobial property against various pathogenic bacteria. Microbial Pathogenesis, 2018, 114, 41-45.	1.3	244
95	New insights on the green synthesis of metallic nanoparticles using plant and waste biomaterials: current knowledge, their agricultural and environmental applications. Environmental Science and Pollution Research, 2018, 25, 10164-10183.	2.7	220
96	Effects of concentration and gas flow rate on the removal of gas-phase toluene and xylene mixture in a compost biofilter. Bioresource Technology, 2018, 248, 28-35.	4.8	49
97	A comprehensive review on green nanomaterials using biological systems: Recent perception and their future applications. Colloids and Surfaces B: Biointerfaces, 2018, 170, 20-35.	2.5	252
98	Pristine and modified radix Angelicae dahuricae (Baizhi) residue for the adsorption of methylene blue from aqueous solution: A comparative study. Journal of Molecular Liquids, 2018, 265, 36-45.	2.3	29
99	Colorimetric detection of Cu‹sup›2+‹/sup› based on the formation of peptideâ€“copper complexes on silver nanoparticle surfaces. Beilstein Journal of Nanotechnology, 2018, 9, 1414-1422.	1.5	42
100	Enhancing biomethanation from dairy waste activated biomass using a novel EGTA mediated microwave disintegration. Journal of Environmental Management, 2018, 223, 644-651.	3.8	10
101	Photocatalytic activity of CuO/Cu(OH)2 nanostructures in the degradation of Reactive Green 19A and textile effluent, phytotoxicity studies and their biogenic properties (antibacterial and anticancer). Journal of Environmental Management, 2018, 223, 1086-1097.	3.8	74
102	Cost-effective, low thermo-chemo disperser pretreatment for biogas production potential of marine macroalgae Chaetomorpha antennina. Energy, 2018, 163, 533-545.	4.5	33
103	Anti-diabetic Potential of Silver Nanoparticles Synthesized with Argyreia nervosa Leaf Extract High Synergistic Antibacterial Activity with Standard Antibiotics Against Foodborne Bacteria. Journal of Cluster Science, 2017, 28, 1709-1727.	1.7	128
104	Microbiome involved in microbial electrochemical systems (MESs): A review. Chemosphere, 2017, 177, 176-188.	4.2	72
105	Bioelectrochemical systems using microalgae â€“ A concise research update. Chemosphere, 2017, 177, 35-43.	4.2	88
106	A review on bio-electrochemical systems (BESs) for the syngas and value added biochemicals production. Chemosphere, 2017, 177, 84-92.	4.2	108
107	Performance evaluation of microbial electrochemical systems operated with Nafion and supported ionic liquid membranes. Chemosphere, 2017, 175, 350-355.	4.2	40
108	Biofabrication and characterization of silver nanoparticles using aqueous extract of seaweed Enteromorpha compressa and its biomedical properties. Biotechnology Reports (Amsterdam,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 T	2.4	216

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109	Solid state fermentative lignocellulolytic enzymes production, characterization and its application in the saccharification of rice waste biomass for ethanol production: An integrated biotechnological approach. Journal of the Taiwan Institute of Chemical Engineers, 2017, 76, 51-58.	2.7	29
110	Bio-hythane production from microalgae biomass: Key challenges and potential opportunities for algal bio-refineries. Bioresource Technology, 2017, 241, 525-536.	4.8	91
111	A review on the biomass pretreatment and inhibitor removal methods as key-steps towards efficient macroalgae-based biohydrogen production. Bioresource Technology, 2017, 244, 1341-1348.	4.8	79
112	Metabolic engineering of Enterobacter aerogenes for 2,3-butanediol production from sugarcane bagasse hydrolysate. Bioresource Technology, 2017, 245, 1567-1574.	4.8	37
113	A comprehensive overview on electro-active biofilms, role of exo-electrogens and their microbial niches in microbial fuel cells (MFCs). Chemosphere, 2017, 178, 534-547.	4.2	146
114	Fermentative hydrogen production using lignocellulose biomass: An overview of pre-treatment methods, inhibitor effects and detoxification experiences. Renewable and Sustainable Energy Reviews, 2017, 77, 28-42.	8.2	176
115	Synthesis of nano-cuboidal gold particles for effective antimicrobial property against clinical human pathogens. Microbial Pathogenesis, 2017, 113, 68-73.	1.3	37
116	Temperature Dependent Synthesis of Tryptophan-Functionalized Gold Nanoparticles and Their Application in Imaging Human Neuronal Cells. ACS Sustainable Chemistry and Engineering, 2017, 5, 7678-7689.	3.2	32
117	Fermentative hydrogen production from mixed and pure microalgae biomass: Key challenges and possible opportunities. International Journal of Hydrogen Energy, 2017, 42, 26440-26453.	3.8	50
118	Sorghum husk biomass as a potential substrate for production of cellulolytic and xylanolytic enzymes by Nocardiopsis sp. KNU. 3 Biotech, 2017, 7, 163.	1.1	3
119	Electrophoretic pattern of glutathione S-transferase (GST) in antibiotic resistance Gram-positive bacteria from poultry litter. Microbial Pathogenesis, 2017, 110, 285-290.	1.3	16
120	A Spectral Probe for Detection of Aluminum (III) Ions Using Surface Functionalized Gold Nanoparticles. Nanomaterials, 2017, 7, 287.	1.9	21
121	Reutilization of green liquor chemicals for pretreatment of whole rice waste biomass and its application to 2,3-butanediol production. Bioresource Technology, 2016, 205, 90-96.	4.8	63
122	Preparation of activated carbons from peach stone by H₄P₂O₇activation and its application for the removal of Acid Red 18 and dye containing wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 164-177.	0.9	20
123	Electrochemical Oxidation of Phenol for Wastewater Treatment Using Ti/PbO2 Electrode. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	22
124	Exploiting the efficacy ofLysinibacillussp. RGS for decolorization and detoxification of industrial dyes, textile effluent and bioreactor studies. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 176-192.	0.9	37
125	Characterization of poly-3-hydroxybutyrate (PHB) produced from Ralstonia eutropha using an alkali-pretreated biomass feedstock. International Journal of Biological Macromolecules, 2015, 80, 627-635.	3.6	105
126	Fermentative hydrogen production using sorghum husk as a biomass feedstock and process optimization. Biotechnology and Bioprocess Engineering, 2015, 20, 733-743.	1.4	30

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127	Improving alkaline pretreatment method for preparation of whole rice waste biomass feedstock and bioethanol production. RSC Advances, 2015, 5, 97171-97179.	1.7	54
128	Decolorization and detoxification of sulfonated toxic diazo dye C.I. Direct Red 81 by Enterococcus faecalis YZ 66. Journal of Environmental Health Science & Engineering, 2014, 12, 151.	1.4	63
129	Enzymatic hydrolysis and characterization of waste lignocellulosic biomass produced after dye bioremediation under solid state fermentation. Bioresource Technology, 2014, 168, 136-141.	4.8	60
130	Cellulolytic Enzymes Production by Utilizing Agricultural Wastes Under Solid State Fermentation and its Application for Biohydrogen Production. Applied Biochemistry and Biotechnology, 2014, 174, 2801-2817.	1.4	60
131	Development of low cost upflow column bioreactor for degradation and detoxification of Blue HERD and textile effluent by Lysinibacillus sp. RGS immobilized on Loofa. International Biodeterioration and Biodegradation, 2014, 96, 112-120.	1.9	25
132	Oxidative stress response in dye degrading bacterium Lysinibacillus sp. RGS exposed to Reactive Orange 16, degradation of RO16 and evaluation of toxicity. Environmental Science and Pollution Research, 2014, 21, 11075-11085.	2.7	52
133	Biohydrogen from Renewable Resources. , 2013, , 185-221.		16
134	Decolorization and detoxification of sulfonated azo dye C.I. Remazol Red and textile effluent by isolated Lysinibacillus sp. RGS. Journal of Bioscience and Bioengineering, 2013, 115, 658-667.	1.1	151
135	Production and characterization of multiple cellulolytic enzymes by isolated Streptomyces sp. MDS. Biomass and Bioenergy, 2012, 47, 302-315.	2.9	56
136	Production of thermotolerant and alkalotolerant cellulolytic enzymes by isolated Nocardiopsis sp. KNU. Biodegradation, 2011, 22, 905-919.	1.5	41
137	Decolorization and degradation of reactive azo dyes by fixed bed bioreactors containing immobilized cells of Proteus vulgaris NCIM-2027. Biotechnology and Bioprocess Engineering, 2011, 16, 830-842.	1.4	15
138	Fixed-bed decolorization of Reactive Blue 172 by Proteus vulgaris NCIM-2027 immobilized on Luffa cylindrica sponge. International Biodeterioration and Biodegradation, 2011, 65, 494-503.	1.9	54
139	Multicomponent cellulase production by Cellulomonas biazotea NCIMâ€2550 and its applications for cellulosic biohydrogen production. Biotechnology Progress, 2010, 26, 406-416.	1.3	52
140	Enzymatic Treatment of Lignocellulosic Wastes for Anaerobic Digestion and Bioenergy Production. , 2010, , 279-308.		5
141	Isolation of cellulose-hydrolytic bacteria and applications of the cellulolytic enzymes for cellulosic biohydrogen production. Enzyme and Microbial Technology, 2009, 44, 417-425.	1.6	114
142	Simultaneous production of 2,3-butanediol, ethanol and hydrogen with a Klebsiella sp. strain isolated from sewage sludge. Bioresource Technology, 2008, 99, 7966-7970.	4.8	72
143	Processes for the removal of triclosan in the environment and engineered systems: a review. Environmental Reviews, 0, , 1-12.	2.1	6