Sandhya Mishra

List of Publications by Year
in descending order

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152	8,840	36303 51	49909 87
papers	citations	h-index	g-index

155	155	155	8999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogen stress triggered biochemical and morphological changes in the microalgae Scenedesmus sp. CCNM 1077. Bioresource Technology, 2014, 156, 146-154.	9.6	363
2	Toxic and genotoxic effects of hexavalent chromium in environment and its bioremediation strategies. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2016, 34, 1-32.	2.9	320
3	Salinity induced oxidative stress enhanced biofuel production potential of microalgae Scenedesmus sp. CCNM 1077. Bioresource Technology, 2015, 189, 341-348.	9.6	264
4	Hexavalent chromium reduction potential of Cellulosimicrobium sp. isolated from common effluent treatment plant of tannery industries. Ecotoxicology and Environmental Safety, 2018, 147, 102-109.	6.0	262
5	Biofabricated Silver Nanoparticles Act as a Strong Fungicide against Bipolaris sorokiniana Causing Spot Blotch Disease in Wheat. PLoS ONE, 2014, 9, e97881.	2.5	254
6	Purification and characterization of C-Phycocyanin from cyanobacterial species of marine and freshwater habitat. Protein Expression and Purification, 2005, 40, 248-255.	1.3	251
7	Abiotic stresses as tools for metabolites in microalgae. Bioresource Technology, 2017, 244, 1216-1226.	9.6	235
8	Resonance Energy Transfer Approach and a New Ratiometric Probe for Hg²⁺ in Aqueous Media and Living Organism. Organic Letters, 2009, 11, 2740-2743.	4.6	210
9	Effects of different media composition, light intensity and photoperiod on morphology and physiology of freshwater microalgae Ankistrodesmus falcatus â€“ A potential strain for bio-fuel production. Bioresource Technology, 2014, 171, 367-374.	9.6	208
10	Heavy Metal Contamination: An Alarming Threat to Environment and Human Health. , 2019, , 103-125.		208
11	Specific Recognition and Sensing of CN^{â^’} in Sodium Cyanide Solution. Organic Letters, 2010, 12, 3406-3409.	4.6	202
12	Biosynthesized silver nanoparticles as a nanoweapon against phytopathogens: exploring their scope and potential in agriculture. Applied Microbiology and Biotechnology, 2015, 99, 1097-1107.	3.6	170
13	Integrated Approach of Agri-nanotechnology: Challenges and Future Trends. Frontiers in Plant Science, 2017, 8, 471.	3.6	164
14	Nitrogen starvation-induced cellular crosstalk of ROS-scavenging antioxidants and phytohormone enhanced the biofuel potential of green microalga Acutodesmus dimorphus. Biotechnology for Biofuels, 2017, 10, 60.	6.2	157
15	New insights into the degradation of synthetic pollutants in contaminated environments. Chemosphere, 2021, 268, 128827.	8.2	146
16	Microalgal biomass generation by phycoremediation of dairy industry wastewater: An integrated approach towards sustainable biofuel production. Bioresource Technology, 2016, 221, 455-460.	9.6	144
17	Colorimetric Sensor for ATP in Aqueous Solution. Organic Letters, 2007, 9, 1979-1982.	4.6	140
18	Carbofuran toxicity and its microbial degradation in contaminated environments. Chemosphere, 2020, 259, 127419.	8.2	139

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19	Biofuel potential of the newly isolated microalgae Acutodesmus dimorphus under temperature induced oxidative stress conditions. Bioresource Technology, 2015, 180, 162-171.	9.6	132
20	A Rhodamine-Based Chemosensor that Works in the Biological System. Organic Letters, 2008, 10, 3013-3016.	4.6	130
21	Salinity induced oxidative stress alters the physiological responses and improves the biofuel potential of green microalgae Acutodesmus dimorphus. Bioresource Technology, 2017, 244, 1376-1383.	9.6	122
22	Fatty acids as biomarkers of microalgae. Phytochemistry, 2013, 89, 53-58.	2.9	117
23	Bacteria as an alternate biofactory for carotenoid production: A review of its applications, opportunities and challenges. Journal of Functional Foods, 2020, 67, 103867.	3.4	117
24	Biosurfactant is a powerful tool for the bioremediation of heavy metals from contaminated soils. Journal of Hazardous Materials, 2021, 418, 126253.	12.4	117
25	Insights Into the Microbial Degradation and Biochemical Mechanisms of Neonicotinoids. Frontiers in Microbiology, 2020, 11, 868.	3.5	117
26	Microalgal lipid extraction strategies for biodiesel production: A review. Algal Research, 2019, 38, 101413.	4.6	115
27	Polyhydroxyalkanoate (PHA) synthesis by Spirulina subsalsa from Gujarat coast of India. International Journal of Biological Macromolecules, 2010, 46, 255-260.	7.5	112
28	Isolation of promising bacterial strains from soil and marine environment for polyhydroxyalkanoates (PHAs) production utilizing Jatropha biodiesel byproduct. International Journal of Biological Macromolecules, 2010, 47, 283-287.	7.5	109
29	Biotransformation of perfluoroalkyl acid precursors from various environmental systems: advances and perspectives. Environmental Pollution, 2021, 272, 115908.	7.5	107
30	Purification and characterization of haloalkaline thermoactive, solvent stable and SDS-induced protease from Bacillus sp.: A potential additive for laundry detergents. Bioresource Technology, 2012, 115, 228-236.	9.6	102
31	Bicarbonate supplementation enhanced biofuel production potential as well as nutritional stress mitigation in the microalgae Scenedesmus sp. CCNM 1077. Bioresource Technology, 2015, 193, 315-323.	9.6	96
32	Potential of biosynthesized silver nanoparticles using Stenotrophomonas sp. BHU-S7 (MTCC 5978) for management of soil-borne and foliar phytopathogens. Scientific Reports, 2017, 7, 45154.	3.3	95
33	Insights into the microbial degradation and catalytic mechanisms of chlorpyrifos. Environmental Research, 2021, 194, 110660.	7.5	95
34	Effect of preservatives for food grade C-PC from Spirulina platensis. Process Biochemistry, 2008, 43, 339-345.	3.7	90
35	Green synthesis, characterization and antioxidant potential of silver nanoparticles biosynthesized from de-oiled biomass of thermotolerant oleaginous microalgae Acutodesmus dimorphus. RSC Advances, 2016, 6, 72269-72274.	3.6	81
36	Applications of de-oiled microalgal biomass towards development of sustainable biorefinery. Bioresource Technology, 2016, 214, 787-796.	9.6	77

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37	Raceway pond cultivation of a marine microalga of Indian origin for biomass and lipid production: A case study. Algal Research, 2014, 6, 201-209.	4.6	72
38	Effect of light quality on the C-phycoerythrin production in marine cyanobacteria Pseudanabaena sp. isolated from Gujarat coast, India. Protein Expression and Purification, 2012, 81, 5-10.	1.3	70
39	Zn(ii) and Cd(ii)-based complexes for probing the enzymatic hydrolysis of Na4P2O7 by alkaline phosphatase in physiological conditions. Chemical Communications, 2011, 47, 8118.	4.1	68
40	Selective carotenoid accumulation by varying nutrient media and salinity in Synechocystis sp. CCNM 2501. Bioresource Technology, 2015, 197, 363-368.	9.6	67
41	Microalgal carotenoids: Potential nutraceutical compounds with chemotaxonomic importance. Algal Research, 2016, 15, 24-31.	4.6	66
42	Trichoderma harzianumâ€based novel formulations: potential applications for management of Nextâ€Gen agricultural challenges. Journal of Chemical Technology and Biotechnology, 2018, 93, 2056-2063.	3.2	61
43	Effect of preservatives for food grade C-Phycoerythrin, isolated from marine cyanobacteria Pseudanabaena sp.. International Journal of Biological Macromolecules, 2010, 47, 597-602.	7.5	60
44	Biosorption of Methylene Blue by De-Oiled Algal Biomass: Equilibrium, Kinetics and Artificial Neural Network Modelling. PLoS ONE, 2014, 9, e109545.	2.5	60
45	A euryhaline Nannochloropsis gaditana with potential for nutraceutical (EPA) and biodiesel production. Algal Research, 2015, 8, 161-167.	4.6	60
46	Insights into the Toxicity and Degradation Mechanisms of Imidacloprid Via Physicochemical and Microbial Approaches. Toxics, 2020, 8, 65.	3.7	60
47	Enhanced biofuel production potential with nutritional stress amelioration through optimization of carbon source and light intensity in Scenedesmus sp. CCNM 1077. Bioresource Technology, 2015, 179, 565-572.	9.6	59
48	Influence of chirality of V(V) Schiff base complexes on DNA, BSA binding and cleavage activity. European Journal of Medicinal Chemistry, 2011, 46, 5074-5085.	5.5	58
49	Integrated process of two stage cultivation of Nannochloropsis sp. for nutraceutically valuable eicosapentaenoic acid along with biodiesel. Bioresource Technology, 2015, 193, 363-369.	9.6	58
50	Recognition of Hg²⁺ Using Diametrically Disubstituted Cyclam Unit. Inorganic Chemistry, 2010, 49, 11485-11492.	4.0	54
51	Zn(II) based colorimetric sensor for ATP and its use as a viable staining agent in pure aqueous media of pH 7.2. Chemical Communications, 2010, 46, 9134.	4.1	54
52	Transient performance and emission characteristics of a heavy-duty diesel engine fuelled with microalga Chlorella variabilis and Jatropha curcas biodiesels. Energy Conversion and Management, 2015, 106, 892-900.	9.2	54
53	Microbial synthesis of polyhydroxyalkanoate using seaweed-derived crude levulinic acid as co-nutrient. International Journal of Biological Macromolecules, 2015, 72, 487-494.	7.5	54
54	Comparative evaluation of chemical and enzymatic saccharification of mixotrophically grown de-oiled microalgal biomass for reducing sugar production. Bioresource Technology, 2016, 204, 9-16.	9.6	53

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55	Anti-biofouling organic-inorganic hybrid membrane for water treatment. Journal of Materials Chemistry, 2012, 22, 1834-1844.	6.7	50
56	1-Ethyl-3-methylimidazolium Diethylphosphate Based Extraction of Bioplastic â€œPolyhydroxyalkanoatesâ€• from Bacteria: Green and Sustainable Approach. ACS Sustainable Chemistry and Engineering, 2018, 6, 766-773.	6.7	50
57	Lipid Extracted Microalgal Biomass Residue as a Fertilizer Substitute for Zea mays L.. Frontiers in Plant Science, 2015, 6, 1266.	3.6	49
58	Colorimetric Sensor for Triphosphates and Their Application as a Viable Staining Agent for Prokaryotes and Eukaryotes. Analytical Chemistry, 2008, 80, 5312-5319.	6.5	48
59	The detection of Hg2+ by cyanobacteria in aqueous media. Chemical Communications, 2009, , 2496.	4.1	46
60	Modulation in phenolic root exudate profile of Abelmoschus esculentus expressing activation of defense pathway. Microbiological Research, 2018, 207, 100-107.	5.3	46
61	Degradation of Acephate and Its Intermediate Methamidophos: Mechanisms and Biochemical Pathways. Frontiers in Microbiology, 2020, 11, 2045.	3.5	46
62	Current Approaches to and Future Perspectives on Methomyl Degradation in Contaminated Soil/Water Environments. Molecules, 2020, 25, 738.	3.8	46
63	Polyhydroxyalkanoate from marine Bacillus megaterium using CSMCRI's Dry Sea Mix as a novel growth medium. International Journal of Biological Macromolecules, 2015, 76, 254-261.	7.5	45
64	Non-isothermal pyrolysis of de-oiled microalgal biomass: Kinetics and evolved gas analysis. Bioresource Technology, 2016, 221, 251-261.	9.6	45
65	Microwave-Assisted Catalytic Degradation of Brilliant Green by Spinel Zinc Ferrite Sheets. ACS Omega, 2019, 4, 10411-10418.	3.5	44
66	Sensing of Phosphates by Using Luminescent Eu^{III} and Tb^{III} Complexes: Application to the Microalgal Cell Chlorella vulgaris. Chemistry - A European Journal, 2014, 20, 6047-6053.	3.3	43
67	Zn(II)â^'Cyclam Based Chromogenic Sensors for Recognition of ATP in Aqueous Solution Under Physiological Conditions and Their Application as Viable Staining Agents for Microorganism. Inorganic Chemistry, 2011, 50, 4162-4170.	4.0	42
68	Preparation of highly purified C-phycoerythrin from marine cyanobacterium Pseudanabaena sp.. Protein Expression and Purification, 2011, 80, 234-238.	1.3	42
69	Multiproduct biorefinery from Arthrospira spp. towards zero waste: Current status and future trends. Bioresource Technology, 2019, 291, 121928.	9.6	40
70	Chiral discrimination asserted by enantiomers of Ni (II), Cu (II) and Zn (II) Schiff base complexes in DNA binding, antioxidant and antibacterial activities. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 199-208.	3.9	38
71	Potential of Monoraphidium minutum for carbon sequestration and lipid production in response to varying growth mode. Bioresource Technology, 2014, 172, 32-40.	9.6	38
72	Rejuvenation of discarded RO membrane for new applications. Desalination and Water Treatment, 2012, 48, 349-359.	1.0	37

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73	Extraction of potassium from K-feldspar through potassium solubilization in the halophilic Acinetobacter soli (MTCC 5918) isolated from the experimental salt farm. International Journal of Mineral Processing, 2016, 152, 53-57.	2.6	36
74	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer. Bioresource Technology, 2016, 207, 197-204.	9.6	36
75	Co-cultivation of siderophore-producing bacteria Idiomarina loihiensis RS14 with Chlorella variabilis ATCC 12198, evaluation of micro-algal growth, lipid, and protein content under iron starvation. Journal of Applied Phycology, 2019, 31, 29-39.	2.8	36
76	Process for Preparing Value-Added Products from Microalgae Using Textile Effluent through a Biorefinery Approach. ACS Sustainable Chemistry and Engineering, 2017, 5, 10019-10028.	6.7	34
77	Improvement of Îµ-polylysine production by marine bacterium Bacillus licheniformis using artificial neural network modeling and particle swarm optimization technique. Biochemical Engineering Journal, 2017, 126, 8-15.	3.6	32
78	Antioxidant, Anti-Nephrolithe Activities and in Vitro Digestibility Studies of Three Different Cyanobacterial Pigment Extracts. Marine Drugs, 2015, 13, 5384-5401.	4.6	31
79	Biodegradable Polymeric Substances Produced by a Marine Bacterium from a Surplus Stream of the Biodiesel Industry. Bioengineering, 2016, 3, 34.	3.5	30
80	C-Phycocyanin as a potential biosensor for heavy metals like Hg²⁺ in aquatic systems. RSC Advances, 2016, 6, 111599-111605.	3.6	30
81	Solar driven mass cultivation and the extraction of lipids from Chlorella variabilis: A case study. Algal Research, 2016, 14, 137-142.	4.6	30
82	Cyanobacterial Pigments as Natural Anti-Hyperglycemic Agents: An In vitro Study. Frontiers in Marine Science, 2016, 3, .	2.5	27
83	Microalgae at niches of bioelectrochemical systems: A new platform for sustainable energy production coupled industrial effluent treatment. Bioresource Technology Reports, 2019, 7, 100290.	2.7	27
84	Evidence for positive response of soil bacterial community structure and functions to biosynthesized silver nanoparticles: An approach to conquer nanotoxicity?. Journal of Environmental Management, 2020, 253, 109584.	7.8	27
85	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.	5.6	26
86	A comparative analysis of different extraction solvent systems on the extractability of eicosapentaenoic acid from the marine eustigmatophyte Nannochloropsis oceanica. Algal Research, 2019, 38, 101387.	4.6	25
87	A thermoactive Î±-amylase from a Bacillus sp. isolated from CSMCRI salt farm. International Journal of Biological Macromolecules, 2010, 47, 288-291.	7.5	24
88	A chemosensor for heavy-transition metal ions in mixed aqueousâ€“organic media. Sensors and Actuators B: Chemical, 2010, 145, 32-38.	7.8	23
89	Biodegradability studies of polyhydroxyalkanoate (PHA) film produced by a marine bacteria using Jatropha biodiesel byproduct as a substrate. World Journal of Microbiology and Biotechnology, 2011, 27, 1531-1541.	3.6	23
90	Cultivation of Nannochloropsis oceanica biomass rich in eicosapentaenoic acid utilizing wastewater as nutrient resource. Bioresource Technology, 2016, 218, 1178-1186.	9.6	23

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91	Deep eutectic solvents and ionic liquid assisted hydrolysis of microalgal biomass: A promising approach towards sustainable biofuel production. Journal of Molecular Liquids, 2021, 335, 116264.	4.9	23
92	Microwave Catalytic Degradation of Antibiotic Molecules by 2D Sheets of Spinel Nickel Ferrite. Industrial & Engineering Chemistry Research, 2020, 59, 15839-15847.	3.7	22
93	Efficient Production of Polyhydroxyalkanoate Through Halophilic Bacteria Utilizing Algal Biodiesel Waste Residue. Frontiers in Bioengineering and Biotechnology, 2021, 9, 624859.	4.1	22
94	Silver nanoparticles mediated altered gene expression of melanin biosynthesis genes in Bipolaris sorokiniana. Microbiological Research, 2015, 172, 16-18.	5.3	21
95	Antibacterial and biofilm inhibition activity of biofabricated silver nanoparticles against Xanthomonas oryzae pv. oryzae causing blight disease of rice instigates disease suppression. World Journal of Microbiology and Biotechnology, 2020, 36, 55.	3.6	21
96	Naturally floating microalgal mat for in situ bioremediation and potential for biofuel production. Algal Research, 2015, 9, 275-282.	4.6	20
97	Multifunctional solvent stable Bacillus lipase mediated biotransformations in the context of food and fuel. Journal of Molecular Catalysis B: Enzymatic, 2015, 117, 21-30.	1.8	18
98	Growth medium standardization and thermotolerance study of the freshwater microalga Acutodesmus dimorphusâ€”a potential strain for biofuel production. Journal of Applied Phycology, 2016, 28, 2687-2696.	2.8	18
99	Quorum Quenching in a Novel Acinetobacter sp. XN-10 Bacterial Strain against Pectobacterium carotovorum subsp. carotovorum. Microorganisms, 2020, 8, 1100.	3.6	18
100	Dominance of cyanobacterial and cryptophytic assemblage correlated to CDOM at heavy metal contamination sites of Gujarat, India. Environmental Monitoring and Assessment, 2015, 187, 4118.	2.7	17
101	Recent Trends in Strain Improvement for Production of Biofuels From Microalgae. , 2020, , 211-225.		17
102	Studies on Extraction and Stability of C-Phycoerythrin From a Marine Cyanobacterium. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	17
103	Emerging Technologies for Degradation of Dichlorvos: A Review. International Journal of Environmental Research and Public Health, 2021, 18, 5789.	2.6	17
104	Effect of carbon supply mode on biomass and lipid in CSMCRI's Chlorella variabilis (ATCC 12198). Biomass and Bioenergy, 2016, 86, 1-10.	5.7	16
105	Conventional Methods for the Removal of Industrial Pollutants, Their Merits and Demerits. , 2019, , 1-31.		16
106	Growth medium and nitrogen stress sparked biochemical and carotenogenic alterations in Scenedesmus sp. CCNM 1028. Bioresource Technology Reports, 2019, 7, 100194.	2.7	16
107	Differential Reprogramming of Defense Network in Capsicum annum L. Plants Against Colletotrichum truncatum Infection by Phyllospheric and Rhizospheric Trichoderma Strains. Journal of Plant Growth Regulation, 2020, 39, 751-763.	5.1	16
108	Neoteric Solvent Systems as Sustainable Media for Dissolution and Film Preparation of Poly-[(R)-3-hydroxybutyrate]. ACS Sustainable Chemistry and Engineering, 2020, 8, 12005-12013.	6.7	14

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109	Physiological responses of the green microalga Acutodesmus dimorphus to temperature induced oxidative stress conditions. Physiologia Plantarum, 2020, 170, 462-473.	5.2	14
110	Naphthalene degradation studies using Pseudomonas sp. strain SA3 from Alang-Sosiya ship breaking yard, Gujarat. Heliyon, 2021, 7, e06334.	3.2	14
111	Whole-Genome Sequencing Analysis of Quorum Quenching Bacterial Strain Acinetobacter lactucae QL-1 Identifies the FadY Enzyme for Degradation of the Diffusible Signal Factor. International Journal of Molecular Sciences, 2020, 21, 6729.	4.1	13
112	Microwave synthesized strontium hexaferrite 2D sheets as versatile and efficient microwave catalysts for degradation of organic dyes and antibiotics. Science of the Total Environment, 2021, 790, 147853.	8.0	13
113	X-ray crystallographic studies on C-phycocyanins from cyanobacteria from different habitats: marine and freshwater. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 844-847.	0.7	12
114	Fluorescence Quenching Property of C-Phycocyanin from Spirulina platensis and its Binding Efficacy with Viable Cell Components. Journal of Fluorescence, 2016, 26, 577-583.	2.5	12
115	Interaction mechanism of plant-based nanoarchitectured materials with digestive enzymes of termites as target for pest control: Evidence from molecular docking simulation and in vitro studies. Journal of Hazardous Materials, 2021, 403, 123840.	12.4	12
116	Natural sea salt based polyhydroxyalkanoate production by wild Halomonas hydrothermalis strain. Fuel, 2022, 311, 122593.	6.4	12
117	Characterization of a Novel Quorum-Quenching Bacterial Strain, Burkholderia anthina HN-8, and Its Biocontrol Potential against Black Rot Disease Caused by Xanthomonas campestris pv. campestris. Microorganisms, 2020, 8, 1485.	3.6	11
118	A natural cyanobacterial protein C-phycoerythrin as an Hg²⁺ selective fluorescent probe in aqueous systems. New Journal of Chemistry, 2020, 44, 6601-6609.	2.8	11
119	Photon-independent NaOH/H2O2â€'based degradation of rhodamine-B dye in aqueous medium: Kinetics, and impacts of various inorganic salts, antioxidants, and urea. Journal of Environmental Chemical Engineering, 2020, 8, 103851.	6.7	11
120	Photodynamic action of C-phycocyanins obtained from marine and fresh water cyanobacterial cultures: A comparative study using EPR spin trapping technique. Free Radical Research, 2006, 40, 821-825.	3.3	10
121	Biosequestering Potential of Spirulina platensis for Uranium. Current Microbiology, 2008, 57, 508-514.	2.2	10
122	Microalgal Rainbow Colours for Nutraceutical and Pharmaceutical Applications. , 2015, , 777-791.		10
123	C-Phycoerythrin as a Colorimetric and Fluorometric Probe for the Sensitive, Selective and Quantitative Detection of Cu2+ in Aqueous Samples. Journal of Fluorescence, 2018, 28, 671-680.	2.5	10
124	Effect of glucose on growth and fatty acid composition of an euryhaline eustigmatophyte Nannochloropsis oceanica under mixotrophic culture condition. Bioresource Technology Reports, 2018, 3, 147-153.	2.7	10
125	Industrial Wastewater-Based Microalgal Biorefinery: A Dual Strategy to Remediate Waste and Produce Microalgal Bioproducts. , 2019, , 173-193.		10
126	A naturally fluorescent protein C-phycoerythrin and graphene oxide bio-composite as a selective fluorescence â€˜turn off/onâ€™ probe for DNA quantification and characterization. International Journal of Biological Macromolecules, 2021, 185, 644-653.	7.5	10

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127	Ammonium Bicarbonate as Nutrient Substitute for Improving Biomass Productivity of Chlorella variabilis. Chemical Engineering and Technology, 2016, 39, 1738-1742.	1.5	9
128	A natural cyanobacterial protein C-phycoerythrin as an HSâ^' selective optical probe in aqueous systems. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118469.	3.9	9
129	Atomic sheets of silver ferrite with universal microwave catalytic behavior. Science of the Total Environment, 2022, 818, 151735.	8.0	9
130	Draft Genome Sequence of Halomonas hydrothermalis MTCC 5445, Isolated from the West Coast of India. Genome Announcements, 2015, 3, .	0.8	8
131	Bioprospecting of Halotolerant Bacterial Isolates for Potassium Recovery from Kâ€Feldspar. Chemical Engineering and Technology, 2016, 39, 1645-1652.	1.5	8
132	A Biorefinery from Nannochloropsis spp. Utilizing Wastewater Resources. , 2019, , 123-145.		8
133	Ameliorating process parameters for zeaxanthin yield in Arthrobacter gandavensis MTCC 25325. AMB Express, 2020, 10, 69.	3.0	8
134	In vitro optimization for enhanced cellulose degrading enzyme from Bacillus licheniformis KY962963 associated with a microalgae Chlorococcum sp. using OVAT and statistical modeling. SN Applied Sciences, 2020, 2, 1.	2.9	7
135	Can Dominant Canopy Species Leaf Litter Determine Soil Nutrient Heterogeneity? A Case Study in a Tropical Rainforest in Southwest China. Journal of Soil Science and Plant Nutrition, 2020, 20, 2479-2489.	3.4	7
136	A â€˜oneâ€“tubeâ€™ synthesis of a selective fluorescence â€˜turn off/onâ€™ DNA probe based on a C-phycocyanin-graphene oxide (CPC-GO) bio composite. International Journal of Biological Macromolecules, 2020, 163, 977-984.	7.5	6
137	Seaweed-based biostimulant improves photosynthesis and effectively enhances growth and biofuel potential of a green microalga Chlorella variabilis. Aquaculture International, 2021, 29, 963-975.	2.2	6
138	Body size determines multitrophic soil microbiota community assembly associated with soil and plant attributes in a tropical seasonal rainforest. Molecular Ecology, 2023, 32, 6294-6303.	3.9	6
139	DNA Binding, Antioxidant Activity, and DNA Damage Protection of Chiral Macrocyclic Mn(III) Salen Complexes. Chirality, 2012, 24, 1063-1073.	2.6	5
140	Stability of Phycobiliproteins Using Natural Preservative Îµ- Polylysine (Îµ-PL). Fermentation Technology, 2018, 07, .	0.1	5
141	Optimization of fermentation conditions for higher cellulase production using marine Bacillus licheniformis KY962963: An epiphyte of Chlorococcum sp.. Biocatalysis and Agricultural Biotechnology, 2021, 35, 102047.	3.1	5
142	Carbon Sequestration by Microalgae: A Green Approach for Climate Change Mitigation. , 2017, , 477-483.		4
143	Identification of a New Siderophore Acinetoamonabactin Produced by a Saltâ€Tolerant Bacterium Acinetobacter Soli. ChemistrySelect, 2018, 3, 8207-8211.	1.5	4
144	Creating a global database â€œNanomaterials in the soil environmentâ€• future need for the terrestrial ecosystem. Energy, Ecology and Environment, 2019, 4, 271-285.	3.9	4

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145	Performance analysis of Pseudomonas sp. strain SA3 in naphthalene degradation using phytotoxicity and microcosm studies. Biodegradation, 2022, 33, 169-180.	3.0	4
146	Influence of microalgal lipids from Chlorella variabilis (ATCC PTA 12198) in reducing the virulence factors of multidrug-resistant Vibrio cholerae variant strains. LWT - Food Science and Technology, 2021, 135, 110047.	5.2	3
147	Poly-extremotolerant bacterium isolated from reverse osmosis reject: an implication toward waste water management. Folia Microbiologica, 2010, 55, 614-620.	2.3	2
148	Oxidative Stress-Induced Bioprospecting of Microalgae. , 2017, , 251-276.		2
149	How Does Photosynthesis Take Place in Our Oceans?. Frontiers for Young Minds, 2017, 5, .	0.8	2
150	An effective approach of bacterial siderophore as nitrogen source triggering the desired biochemical changes in microalgae Chlorella variabilis ATCC 12198. Algal Research, 2019, 43, 101610.	4.6	2
151	Utilization of Leptolyngbya boryana mat for modulating nutrient uptake and its translocation in rice (Oryza sativa). Bioresource Technology Reports, 2020, 12, 100575.	2.7	2
152	Classroom. Resonance, 2016, 21, 937-947.	0.3	0