Neha Arora

List of Publications by Year
in descending order

51	1,906	236925 25	265206 42
papers	citations	h-index	g-index

53	53	53	1953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microwave-assisted pretreatment of harmful algal blooms for microbial oil-centered biorefinery approach. Biomass Conversion and Biorefinery, 2022, 12, 3097-3105.	4.6	11
2	Physiological insights into enhanced lipid accumulation and temperature tolerance by Tetraselmis suecica ultraviolet mutants. Science of the Total Environment, 2022, 839, 156361.	8.0	7
3	Dissecting Enhanced Carbohydrate and Pigment Productivity in Mutants of Nannochloropsis oculata Using Metabolomics and Lipidomics. Journal of Agricultural and Food Chemistry, 2022, 70, 8338-8350.	5.2	7
4	Insights into the physiology of Chlorella vulgaris cultivated in sweet sorghum bagasse hydrolysate for sustainable algal biomass and lipid production. Scientific Reports, 2021, 11, 6779.	3.3	34
5	Lipid-extracted algae as a source of biomaterials for algae biorefineries. Algal Research, 2021, 57, 102354.	4.6	18
6	Microalgae strain improvement strategies: random mutagenesis and adaptive laboratory evolution. Trends in Plant Science, 2021, 26, 1199-1200.	8.8	24
7	1H NMR-based metabolomics and lipidomics of microalgae. Trends in Plant Science, 2021, 26, 984-985.	8.8	3
8	Elucidating the bioremediation mechanism of Scenedesmus sp. IITRIND2 under cadmium stress. Chemosphere, 2021, 283, 131196.	8.2	17
9	Unraveling metabolic alterations in Chlorella vulgaris cultivated on renewable sugars using time resolved multi-omics. Science of the Total Environment, 2021, 800, 149504.	8.0	9
10	Beneficial use of the aqueous phase generated during hydrothermal carbonization of algae as nutrient source for algae cultivation. Algal Research, 2021, 60, 102485.	4.6	19
11	Deciphering metabolic alterations in algae cultivated in spent media as means for enhancing algal biorefinery sustainability. Bioresource Technology, 2021, 342, 125890.	9.6	14
12	Life cycle assessment of photosynthetic microalgae for sustainable biodiesel production. , 2021, , 369-387.		0
13	Assessing the robust growth and lipid-accumulating characteristics of Scenedesmus sp. for biodiesel production. Environmental Science and Pollution Research, 2020, 27, 27449-27456.	5.3	14
14	Small-scale phyco-mitigation of raw urban wastewater integrated with biodiesel production and its utilization for aquaculture. Bioresource Technology, 2020, 297, 122489.	9.6	51
15	Microalgae fuel cell for wastewater treatment: Recent advances and challenges. Journal of Water Process Engineering, 2020, 38, 101549.	5.6	43
16	The Prospects of Agricultural and Food Residue Hydrolysates for Sustainable Production of Algal Products. Energies, 2020, 13, 6427.	3.1	11
17	Novel bio-based solid acid catalyst derived from waste yeast residue for biodiesel production. Renewable Energy, 2020, 159, 127-139.	8.9	38
18	Harnessing the Power of Mutagenesis and Adaptive Laboratory Evolution for High Lipid Production by Oleaginous Microalgae and Yeasts. Sustainability, 2020, 12, 5125.	3.2	50

#	Article	IF	Citations
19	A novel rapid ultrasonication-microwave treatment for total lipid extraction from wet oleaginous yeast biomass for sustainable biodiesel production. Ultrasonics Sonochemistry, 2019, 51, 504-516.	8.2	47
20	Microalgae. , 2019, , 97-128.		13
21	Delineating the Biofilm Inhibition Mechanisms of Phenolic and Aldehydic Terpenes against Cryptococcus neoformans. ACS Omega, 2019, 4, 17634-17648.	3.5	33
22	An Integrated Approach of Wastewater Mitigation and Biomass Production for Biodiesel Using Scenedesmus sp.. , 2019, , 467-494.		2
23	Advanced Gene Technology and Synthetic Biology Approaches to Custom Design Microalgae for Biodiesel Production. , 2019, , 147-175.		2
24	Co-culturing of oleaginous microalgae and yeast: paradigm shift towards enhanced lipid productivity. Environmental Science and Pollution Research, 2019, 26, 16952-16973.	5.3	57
25	Different Cell Disruption and Lipid Extraction Methods from Microalgae for Biodiesel Production. , 2019, , 265-292.		16
26	Delineating the molecular responses of a halotolerant microalga using integrated omics approach to identify genetic engineering targets for enhanced TAG production. Biotechnology for Biofuels, 2019, 12, 2.	6.2	42
27	Elucidating the unique physiological responses of halotolerant Scenedesmus sp. cultivated in sea water for biofuel production. Algal Research, 2019, 37, 260-268.	4.6	34
28	Chemistry and Biology of Farnesol and its Derivatives: Quorum Sensing Molecules with Immense Therapeutic Potential. Current Topics in Medicinal Chemistry, 2019, 18, 1937-1954.	2.1	27
29	Acoustic cavitation induced synthesis of zirconium impregnated activated carbon for effective fluoride scavenging from water by adsorption. Ultrasonics Sonochemistry, 2018, 45, 65-77.	8.2	70
30	Leveraging algal omics to reveal potential targets for augmenting TAG accumulation. Biotechnology Advances, 2018, 36, 1274-1292.	11.7	65
31	Utilization of stagnant non-potable pond water for cultivating oleaginous microalga Chlorella minutissima for biodiesel production. Renewable Energy, 2018, 126, 30-37.	8.9	17
32	Amaranth seeds (Amaranthus palmeri L.) as novel feedstock for biodiesel production by oleaginous yeast. Environmental Science and Pollution Research, 2018, 25, 353-362.	5.3	14
33	Algae as a Budding Tool for Mitigation of Arsenic from Aquatic Systems. , 2018, , 269-297.		4
34	NMR-Based Metabolomic Approach To Elucidate the Differential Cellular Responses during Mitigation of Arsenic(III, V) in a Green Microalga. ACS Omega, 2018, 3, 11847-11856.	3.5	50
35	Antineoplastic and Antimicrobial Potential of Novel Phytofabricated Silver Nanoparticles from Pterospermum acerifolium Leaf Extract. Nanoscience and Nanotechnology - Asia, 2018, 8, 297-308.	0.7	1
36	Assessment of fuel properties on the basis of fatty acid profiles of oleaginous yeast for potential biodiesel production. Renewable and Sustainable Energy Reviews, 2017, 77, 604-616.	16.4	164

#	Article	IF	Citations
37	Insights into the Enhanced Lipid Production Characteristics of a Fresh Water Microalga under High Salinity Conditions. Industrial & Engineering Chemistry Research, 2017, 56, 7413-7421.	3.7	43
38	A hybrid approach integrating arsenic detoxification with biodiesel production using oleaginous microalgae. Algal Research, 2017, 24, 29-39.	4.6	69
39	Pretreated algal bloom as a substantial nutrient source for microalgae cultivation for biodiesel production. Bioresource Technology, 2017, 242, 152-160.	9.6	21
40	Augmented lipid accumulation in ethyl methyl sulphonate mutants of oleaginous microalga for biodiesel production. Bioresource Technology, 2017, 242, 121-127.	9.6	34
41	Antineoplastic and antioxidant potential of phycofabricated silver nanoparticles using microalgae Chlorella minutissima. IET Nanobiotechnology, 2017, 11, 827-834.	3.8	3
42	Biodegradation of phenol via meta cleavage pathway triggers de novo TAG biosynthesis pathway in oleaginous yeast. Journal of Hazardous Materials, 2017, 340, 47-56.	12.4	56
43	Biological treatment of pulp and paper industry effluent by oleaginous yeast integrated with production of biodiesel as sustainable transportation fuel. Journal of Cleaner Production, 2017, 142, 2858-2864.	9.3	79
44	Antifungal and Anti-Biofilm Activity of Essential Oil Active Components against Cryptococcus neoformans and Cryptococcus laurentii. Frontiers in Microbiology, 2017, 8, 2161.	3.5	57
45	Sustainable biodiesel production from oleaginous yeasts utilizing hydrolysates of various non-edible lignocellulosic biomasses. Renewable and Sustainable Energy Reviews, 2016, 62, 836-855.	16.4	180
46	Boosting TAG Accumulation with Improved Biodiesel Production from Novel Oleaginous Microalgae Scenedesmus sp. IITRIND2 Utilizing Waste Sugarcane Bagasse Aqueous Extract (SBAE). Applied Biochemistry and Biotechnology, 2016, 180, 109-121.	2.9	47
47	Synergistic dynamics of nitrogen and phosphorous influences lipid productivity in Chlorella minutissima for biodiesel production. Bioresource Technology, 2016, 213, 79-87.	9.6	102
48	Recycled de-Oiled Algal Biomass Extract as a Feedstock for Boosting Biodiesel Production from Chlorella minutissima. Applied Biochemistry and Biotechnology, 2016, 180, 1534-1541.	2.9	11
49	Bioremediation of domestic and industrial wastewaters integrated with enhanced biodiesel production using novel oleaginous microalgae. Environmental Science and Pollution Research, 2016, 23, 20997-21007.	5.3	57
50	Biodiesel production from non-edible lignocellulosic biomass of Cassia fistula L. fruit pulp using oleaginous yeast Rhodosporidium kratochvilovae HIMPA1. Bioresource Technology, 2015, 197, 91-98.	9.6	107
51	Synthesis and characterization of polyether urethane coatings for preventing implant infection. Composite Interfaces, 2014, 21, 51-58.	2.3	4