Rameshprabu Ramaraj

List of Publications by Year
in descending order

86	1,754	304743	361022
papers	citations	22 h-index	35 g-index

86	86	86	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of hot water extraction process on schizophyllan from split gill mushroom. Biomass Conversion and Biorefinery, 2024, 14, 1017-1026.	4.6	5
2	Optimization of ethanol precipitation of schizophyllan from Schizophyllum commune by applied statistical modelling. Biomass Conversion and Biorefinery, 2024, 14, 2707-2719.	4.6	3
3	Muntingia calabura fruits as sources of bioactive compounds and fermentative ethanol production. Biomass Conversion and Biorefinery, 2024, 14, 4703-4714.	4.6	3
4	Natural dyes extracted from Inthanin bok leaves as light-harvesting units for dye-sensitized solar cells. Applied Nanoscience (Switzerland), 2023, 13, 391-403.	3.1	7
5	Fabrication and performance evaluation of dye-sensitized solar cell integrated with natural dye from Strobilanthes cusia under different counter-electrode materials. Applied Nanoscience (Switzerland), 2023, 13, 1073-1083.	3.1	11
6	Valorization and biorefinery of kaffir lime peels waste for antifungal activity and sustainable control of mango fruit anthracnose. Biomass Conversion and Biorefinery, 2023, 13, 10735-10749.	4.6	7
7	Comparative studies of the longan leaf pigment extraction as a photosensitizer for dye-sensitized solar cellsâ€™ purpose. Biomass Conversion and Biorefinery, 2022, 12, 1619-1626.	4.6	9
8	Physical pretreatment and algal enzyme hydrolysis of dried low-grade and waste longan fruits to enhance its fermentable sugar production. Biomass Conversion and Biorefinery, 2022, 12, 1669-1677.	4.6	8
9	A biorefinery approach for the production of bioethanol from alkaline-pretreated, enzymatically hydrolyzed Nicotiana tabacum stalks as feedstock for the bio-based industry. Biomass Conversion and Biorefinery, 2022, 12, 891-899.	4.6	14
10	Innovative biorefinery concept for biogas-based digestate with rice bran protein-rich feed ingredient for tilapia production. Biomass Conversion and Biorefinery, 2022, 12, 1639-1645.	4.6	9
11	Impact and significance of pretreatment on the fermentable sugar production from low-grade longan fruit wastes for bioethanol production. Biomass Conversion and Biorefinery, 2022, 12, 1605-1617.	4.6	26
12	Sustainable valorization of water primrose with cow dung for enhanced biogas production. Biomass Conversion and Biorefinery, 2022, 12, 1647-1655.	4.6	8
13	Cellulosic-derived bioethanol from Limnocharis flava utilizing alkaline pretreatment. Biomass Conversion and Biorefinery, 2022, 12, 1737-1743.	4.6	22
14	Sustainability and application of corncob-derived biochar for removal of fluoroquinolones. Biomass Conversion and Biorefinery, 2022, 12, 913-923.	4.6	20
15	Advancement of fermentable sugars from fresh elephant ear plant weed for efficient bioethanol production. Environment, Development and Sustainability, 2022, 24, 7377-7387.	5.0	18
16	Improvement of fermentable sugar for enhanced bioethanol production from Amorphophallus spp. tuber obtained from northern Thailand. Environment, Development and Sustainability, 2022, 24, 8351-8362.	5.0	9
17	Anthocyanin pigment-based dye-sensitized solar cells with improved pH-dependent photovoltaic properties. Sustainable Energy Technologies and Assessments, 2022, 51, 101971.	2.7	10
18	Simultaneous carbon dioxide reduction and methane generation in biogas for rural household use via anaerobic digestion of wetland grass with cow dung. Fuel, 2022, 317, 123487.	6.4	13

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19	Physiological response of Simocephalus vetulus to five antibiotics and their mixture under 48-h acute exposure. Science of the Total Environment, 2022, 829, 154585.	8.0	7
20	Effect of biogas sludge meal supplement in feed on growth performance molting period and production cost of giant freshwater prawn culture. Chemosphere, 2022, 301, 134638.	8.2	4
21	Advancements of fermentable sugar yield by pretreatment and steam explosion during enzymatic saccharification of Amorphophallus sp. starchy tuber for bioethanol production. Fuel, 2022, 323, 124406.	6.4	9
22	The effect of various pretreatments conditions on the distribution of fermentable sugar from dried elephant ear plant. Fuel, 2022, 324, 124624.	6.4	5
23	Adsorption performances of corn cob-derived biochar in saturated and semi-saturated vertical-flow constructed wetlands for nutrient removal under erratic oxygen supply. Environmental Chemistry and Ecotoxicology, 2022, 4, 155-163.	9.1	8
24	Biohydrogen production using algae: Potentiality, economics and challenges. Bioresource Technology, 2022, 360, 127514.	9.6	26
25	Effect of blue light intensity and photoperiods on the growth of diatom Thalassiosira pseudonana. Bioresource Technology Reports, 2022, 19, 101152.	2.7	2
26	Microalgae cultivation using palm oil mill effluent as growth medium for lipid production with the effect of CO2 supply and light intensity. Biomass Conversion and Biorefinery, 2021, 11, 1555-1563.	4.6	51
27	Bioethanol production from sunflower stalk: application of chemical and biological pretreatments by response surface methodology (RSM). Biomass Conversion and Biorefinery, 2021, 11, 1759-1773.	4.6	75
28	Bioethanol production from coconut pulp residue using hydrothermal and postalkaline pretreatment. International Journal of Energy Research, 2021, 45, 8140-8150.	4.5	11
29	The immobilization of yeast for fermentation of macroalgae Rhizoclonium sp. for efficient conversion into bioethanol. Biomass Conversion and Biorefinery, 2021, 11, 827-835.	4.6	43
30	Sustainability assessment of water hyacinth with swine dung for biogas production, methane enhancement, and biofertilizer. Biomass Conversion and Biorefinery, 2021, 11, 849-860.	4.6	32
31	Effects of substrate concentration and hydraulic retention time on hydrogen production from common reed by enriched mixed culture in continuous anaerobic bioreactor. International Journal of Hydrogen Energy, 2021, 46, 14036-14044.	7.1	15
32	BIOMETHANE POTENTIAL OF INVASIVE AQUATIC WEED WATER PRIMROSE. , 2021, , 1-5.		1
33	THERMOCHEMICAL PRETREATMENT METHOD FOLLOWED BY ENZYME HYDROLYSIS OF TOBACCO STALKS FOR BIOETHANOL PRODUCTION. , 2021, , 6-10.		0
34	Appropriateness of waste jasmine flower for bioethanol conversion with enzymatic hydrolysis: sustainable development on green fuel production. 3 Biotech, 2021, 11, 216.	2.2	9
35	Biomass generation and biodiesel production from macroalgae grown in the irrigation canal wastewater. Water Science and Technology, 2021, 84, 2695-2702.	2.5	22
36	Stimulation of natural enzymes for germination of mimosa weed seeds to enhanced bioethanol production. 3 Biotech, 2021, 11, 307.	2.2	10

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37	Microalgae cultivation in wastewater effluent from tilapia culture pond for enhanced bioethanol production. Water Science and Technology, 2021, 84, 2686-2694.	2.5	33
38	Comparative analysis of fresh and dry free-floating aquatic plant Pistia stratiotes via chemical pretreatment for second-generation (2G) bioethanol production. Bioresource Technology Reports, 2021, 14, 100651.	2.7	21
39	Sustainable development of feed formulation for farmed tilapia enriched with fermented pig manure to reduce production costs. Science of the Total Environment, 2021, 801, 149614.	8.0	8
40	Chronic ecotoxicology and statistical investigation of ciprofloxacin and ofloxacin to Daphnia magna under extendedly long-term exposure. Environmental Pollution, 2021, 291, 118095.	7.5	24
41	Optimization of combined pre-treatments on sugarcane leaves for bioethanol production. Maejo International Journal of Energy and Environmental Communication, 2021, 1, 30-39.	0.6	16
42	Spirogyra cultured in fishpond wastewater for biomass generation. Maejo International Journal of Energy and Environmental Communication, 2021, 2, 58-65.	0.6	7
43	Methane productivity evaluation of an invasive wetland plant, common reed. Biomass Conversion and Biorefinery, 2020, 10, 689-695.	4.6	24
44	Statistical optimization of lipid production by the diatom Gyrosigma sp. grown in industrial wastewater. Journal of Applied Phycology, 2020, 32, 375-387.	2.8	24
45	Modeling and implementing the use of aeration to increase water temperature and dissolved oxygen in greenhouse aquaculture cages. Aquacultural Engineering, 2020, 91, 102119.	3.1	7
46	Exploration of bioactive compounds and antibacterial activity of marine blue-green microalgaeÂ(Oscillatoria sp.) isolatedÂfromÂcoastal region of west Malaysia. SN Applied Sciences, 2020, 2, 1.	2.9	22
47	Development of sustainable approaches for converting the agro-weeds Ludwigia hyssopifolia to biogas production. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	8
48	Assessment of the effects of anaerobic co-digestion of water primrose and cow dung with swine manure on biogas yield and biodegradability. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	4
49	Environmental management and valorization of cultivated tobacco stalks by combined pretreatment for potential bioethanol production. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	27
50	Hydrothermal pretreatment and acid hydrolysis of coconut pulp residue for fermentable sugar production. Food and Bioproducts Processing, 2020, 122, 31-40.	3.6	21
51	Bioethanol production from the comparison between optimization of sorghum stalk and sugarcane leaf for sugar production by chemical pretreatment and enzymatic degradation. Fuel, 2020, 278, 118262.	6.4	59
52	Liquid hot water extraction as a chemical-free pretreatment approach for biobutanol production from Cassia fistula pods. Fuel, 2020, 279, 118393.	6.4	18
53	Enhancement of hydrolysis with Trichoderma harzianum for bioethanol production of sonicated pineapple fruit peel. Fuel, 2020, 279, 118437.	6.4	23
54	The optimization of oil extraction from macroalgae, Rhizoclonium sp. by chemical methods for efficient conversion into biodiesel. Fuel, 2020, 274, 117841.	6.4	78

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55	Synthesis of silver nanoparticles using marine macroalgae Padina sp. and its antibacterial activity towards pathogenic bacteria. Beni-Suef University Journal of Basic and Applied Sciences, 2020, 9, .	2.0	155
56	Enhanced fermentable sugar production from low grade and damaged longan fruits using cellulase with algal enzymes for bioethanol production. Emergent Life Sciences Research, 2020, 06, 26-31.	0.1	5
57	EXTRACTION OF ANTHOCYANIN PIGMENTS FROM MALABAR SPINACH FRUITS AS A POTENTIAL PHOTOSENSITIZER FOR DYE-SENSITIZED SOLAR CELL. , 2020, , 5-9.		5
58	POTENTIAL EVALUATION OF YELLOW COTTON (COCHLOSPERMUM REGIUM) PIGMENTS FOR DYE SENSITIZED SOLAR CELLS APPLICATION. , 2020, , 16-21.		5
59	IMPROVEMENT OF BIOETHANOL PRODUCTION FROM LOW GRADE AND DAMAGED LONGAN FRUITS WITH THERMAL PRETREATMENT AND DIFFERENT TYPES OF THE ENZYMATIC HYDROLYSIS. , 2020, , 6-11.		0
60	Fermentation of pineapple fruit peel wastes for bioethanol production. Biomass Conversion and Biorefinery, 2019, 9, 761-765.	4.6	81
61	Optimization of pretreatment condition for ethanol production from Cyperus difformis by response surface methodology. 3 Biotech, 2019, 9, 218.	2.2	35
62	Bioethanol production from corn stalk juice using Saccharomyces cerevisiae TISTR 5020. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1615-1621.	2.3	20
63	Effects of Co-substrate Concentrations on the Anaerobic Co-Digestion of Common Reed and Cow Dung. AJARCDE | Asian Journal of Applied Research for Community Development and Empowerment, 2019, 3, 28-32.	0.1	5
64	Sustainability assessment of biogas production from buffalo grass and dung: biogas purification and bio-fertilizer. 3 Biotech, 2018, 8, 151.	2.2	35
65	Potential improvement of biogas production from fallen teak leaves with co-digestion of microalgae. 3 Biotech, 2018, 8, 123.	2.2	25
66	Impact and significance of alkaline-oxidant pretreatment on the enzymatic digestibility of Sphenoclea zeylanica for bioethanol production. Bioresource Technology, 2018, 247, 125-130.	9.6	55
67	Role of sulphide reduction by magnesium hydroxide on the sediment of the eutrophic closed bay. Aquaculture Research, 2018, 49, 462-470.	1.8	2
68	THE EFFECTS OF MAGNESIUM HYDROXIDE FOR THE MICROBIAL COMMUNITY IN THE SEDIMENTS OF A EUTROPHIC CLOSED BAY. International Journal of GEOMATE, 2018, 14, .	0.3	2
69	Biotechnological application of sustainable biogas production through dry anaerobic digestion of Napier grass. 3 Biotech, 2017, 7, 47.	2.2	28
70	The potential of carbon dioxide capture and sequestration with algae. Ecological Engineering, 2017, 98, 17-23.	3.6	54
71	Carbon dioxide bio-fixation by algae of high rate pond on natural water medium. Ecological Engineering, 2016, 92, 106-110.	3.6	22
72	Carbon sequestration by alga ecosystems. Ecological Engineering, 2015, 84, 386-389.	3.6	17

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73	Raffinose family oligosaccharides in seed of Glycine max cv. Chiang Mai60 and potential source of prebiotic substances. International Journal of Food Science and Technology, 2015, 50, 1750-1756.	2.7	26
74	Biomass of algae growth on natural water medium. Journal of Photochemistry and Photobiology B: Biology, 2015, 142, 124-128.	3.8	15
75	Carbon dioxide fixation of freshwater microalgae growth on natural water medium. Ecological Engineering, 2015, 75, 86-92.	3.6	40
76	Potential development of compressed bio-methane gas production from pig farms and elephant grass silage for transportation in Thailand. Bioresource Technology, 2014, 155, 438-441.	9.6	38
77	An exploration of the relationships between microalgae biomass growth and related environmental variables. Journal of Photochemistry and Photobiology B: Biology, 2014, 135, 44-47.	3.8	22
78	Freshwater microalgae niche of air carbon dioxide mitigation. Ecological Engineering, 2014, 68, 47-52.	3.6	35
79	A Method of Short-Circuiting Comparison. Water Resources Management, 2012, 26, 2689-2702.	3.9	10
80	Growth condition study of algae function in ecosystem for CO2 bio-fixation. Journal of Photochemistry and Photobiology B: Biology, 2012, 107, 27-34.	3.8	34
81	A method of short-circuiting comparison with mixing indexes. Journal of Water Supply: Research and Technology - AQUA, 2011, 60, 502-510.	1.4	1
82	Grass Silage for Biogas Production. , 0, , .		7
83	Antimicrobial Study of Algal Enzymes Extracted from Microalgae by Ultrasonication. SSRN Electronic Journal, 0, , .	0.4	2
84	Ethanol production from corn stalk juice by Saccharomyces cerevisiae immobilized yeast using a green method. Biomass Conversion and Biorefinery, 0, , 1.	4.6	4
85	Potential evaluation of biogas production through the exploitation of naturally growing freshwater macroalgae Spirogyra varians. Environment, Development and Sustainability, 0, , .	5.0	13
86	Enhancement of Fermentable Sugars Obtained from<i> Amorphophallus</i> Spp. Tuber for Bioethanol Production by Optimizing Temperature and Pretreatment Concentration. Materials Science Forum, 0, 1056, 185-190.	0.3	0