

Abd El-Fatah Abomohra

List of Publications by Year in descending order

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133
papers

5,900
citations

61857

43
h-index

91712

69
g-index

140
all docs

140
docs citations

140
times ranked

4239
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated approach for enhanced bio-oil recovery from disposed face masks through co-hydrothermal liquefaction with <i>Spirulina platensis</i> grown in wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11109-11120.	2.9	14
2	Catalytic co-pyrolysis of macroalgal components with lignocellulosic biomass for enhanced biofuels and high-valued chemicals. <i>International Journal of Energy Research</i> , 2022, 46, 2674-2697.	2.2	12
3	Physical stress for enhanced biofuel production from microalgae. , 2022, , 451-475.		1
4	Alleviating lignin repolymerization by carbocation scavenger for effective production of fermentable sugars from combined liquid hot water and green-liquor pretreated softwood biomass. <i>Energy Conversion and Management</i> , 2022, 251, 114956.	4.4	29
5	Sequential algal biofuel production through whole biomass conversion. , 2022, , 385-404.		4
6	Enhanced methane production coupled with livestock wastewater treatment using anaerobic membrane bioreactor: Performance and membrane filtration properties. <i>Bioresource Technology</i> , 2022, 345, 126470.	4.8	22
7	Dual use of a local <i>Protosiphon</i> isolate BENHA2020 for biodiesel production and antioxidant activity of lipid-free biomass: A novel biorefinery approach for biomass valorization. <i>Renewable Energy</i> , 2022, 184, 1104-1111.	4.3	3
8	Innovative approach for rapeseed straw recycling using black soldier fly larvae: Towards enhanced energy recovery. <i>Renewable Energy</i> , 2022, 188, 211-222.	4.3	16
9	Cultivation of Freshwater Microalgae in Wastewater Under High Salinity for Biomass, Nutrients Removal, and Fatty Acids/Biodiesel Production. <i>Waste and Biomass Valorization</i> , 2022, 13, 3245-3254.	1.8	11
10	Microalgae as a Natural CO ₂ Sequester: A Study on Effect of Tobacco Smoke on Two Microalgae Biochemical Responses. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	3
11	Enhanced waste glycerol recycling by yeast for efficient biodiesel production: Towards waste biorefinery. <i>Biomass and Bioenergy</i> , 2022, 159, 106410.	2.9	14
12	Integrated microalgal biorefinery – Routes, energy, economic and environmental perspectives. <i>Journal of Cleaner Production</i> , 2022, 348, 131245.	4.6	77
13	Selective oxidation of 5-hydroxymethylfurfural to furan-2,5-dicarbaldehyde using chitosan-based biochar composite cadmium sulfide quantum dots. <i>Fuel</i> , 2022, 320, 123994.	3.4	11
14	Progress in biohythane production from microalgae-wastewater sludge co-digestion: An integrated biorefinery approach. <i>Biotechnology Advances</i> , 2022, 57, 107933.	6.0	24
15	Bioenergy characteristics of microalgae under elevated carbon dioxide. <i>Fuel</i> , 2022, 321, 123958.	3.4	14
16	Endogenous bioethanol production by solid-state prefermentation for enhanced crude bio-oil recovery through integrated hydrothermal liquefaction of seaweeds. <i>Journal of Cleaner Production</i> , 2022, 355, 131811.	4.6	8
17	Co-production of levulinic acid and lignin adsorbent from aspen wood with combination of liquid hot water and green-liquor pretreatments. <i>Journal of Cleaner Production</i> , 2022, 366, 132817.	4.6	13
18	Enhancement of black and odorous water treatment coupled with accelerated lipid production by microalgae exposed to 12C6+ heavy-ion beam irradiation. <i>Chemosphere</i> , 2022, 305, 135452.	4.2	3

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19	Catalytic co-pyrolysis of seaweeds and cellulose using mixed ZSM-5 and MCM-41 for enhanced crude bio-oil production. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 827-842.	2.0	30
20	Sequential biofuel production from seaweeds enhances the energy recovery: A case study for biodiesel and bioethanol production. <i>International Journal of Energy Research</i> , 2021, 45, 6457-6467.	2.2	30
21	Recent progress in genetically modified microalgae for enhanced carbon dioxide sequestration. <i>Biomass and Bioenergy</i> , 2021, 145, 105927.	2.9	116
22	Optimization of acid hydrolysis on the green seaweed <i>Valoniopsis pachynema</i> and approach towards mixotrophic microalgal biomass and lipid production. <i>Renewable Energy</i> , 2021, 164, 1052-1061.	4.3	11
23	A sustainable approach for bioconversion of food and lignocellulosic wastes into liquid biofuel using a new <i>Metschnikowia pulcherrima</i> isolate. <i>International Journal of Energy Research</i> , 2021, 45, 3430-3441.	2.2	9
24	Accelerated carbonation treatment of recycled concrete aggregates using flue gas: A comparative study towards performance improvement. <i>Journal of CO2 Utilization</i> , 2021, 43, 101362.	3.3	40
25	A novel bifunctional aldehyde/alcohol dehydrogenase catalyzing reduction of acetyl-CoA to ethanol at temperatures up to 95°C. <i>Scientific Reports</i> , 2021, 11, 1050.	1.6	11
26	Enhancement of biodiesel yield and characteristics through in-situ solvo-thermal co-transesterification of wet microalgae with spent coffee grounds. <i>Bioresource Technology</i> , 2021, 323, 124640.	4.8	54
27	Accelerated carbonation technology for enhanced treatment of recycled concrete aggregates: A state-of-the-art review. <i>Construction and Building Materials</i> , 2021, 282, 122671.	3.2	85
28	Visible light-driven conversion of carboxylic acids into esters for enhanced algal bio-crude oil catalyzed by cadmium sulfide quantum dots (CdS-QDs). <i>Fuel Processing Technology</i> , 2021, 216, 106778.	3.7	8
29	Potential Applications of <i>Arthrospira platensis</i> Lipid-Free Biomass in Bioremediation of Organic Dye from Industrial Textile Effluents and Its Influence on Marine Rotifer (<i>Brachionus plicatilis</i>). <i>Materials</i> , 2021, 14, 4446.	1.3	32
30	High-grade biofuel production from catalytic pyrolysis of waste clay oil using modified activated seaweed carbon-based catalyst. <i>Journal of Cleaner Production</i> , 2021, 313, 127928.	4.6	24
31	Sequential bioethanol and biogas production coupled with heavy metal removal using dry seaweeds: Towards enhanced economic feasibility. <i>Journal of Cleaner Production</i> , 2021, 316, 128341.	4.6	32
32	Enhancement of nitrite/ammonia removal from saline recirculating aquaculture wastewater system using moving bed bioreactor. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105947.	3.3	24
33	Microwave vacuum co-pyrolysis of waste plastic and seaweeds for enhanced crude bio-oil recovery: Experimental and feasibility study towards industrialization. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111335.	8.2	53
34	Explication of structural variations in the bacterial and archaeal community of anaerobic digestion sludges: An insight through metagenomics. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105910.	3.3	39
35	Valorization of lipidic food waste for enhanced biodiesel recovery through two-step conversion: A novel microalgae-integrated approach. <i>Bioresource Technology</i> , 2021, 342, 125966.	4.8	29
36	Editorial: Technologies for Water Quality and Wastewater Management in Developing Countries. <i>Water Science and Technology</i> , 2021, 84, v-v.	1.2	2

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37	Life Cycle Assessment and Impact Correlation Analysis of Fly Ash Geopolymer Concrete. <i>Materials</i> , 2021, 14, 7375.	1.3	20
38	Co-pyrolysis of seaweeds with waste plastics: modeling and simulation of effects of co-pyrolysis parameters on yields, and optimization studies for maximum yield of enhanced biofuels. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 954-978.	1.2	24
39	Macroalgal activity against fungal urinary tract infections: in vitro screening and evaluation study. <i>Rendiconti Lincei</i> , 2020, 31, 165-175.	1.0	8
40	Reducing residual antibiotic levels in animal feces using intestinal <i>Escherichia coli</i> with surface-displayed erythromycin esterase. <i>Journal of Hazardous Materials</i> , 2020, 388, 122032.	6.5	24
41	Enhancement of biogas production by integrated solar heating system: A pilot study using tubular digester. <i>Energy</i> , 2020, 193, 116758.	4.5	43
42	Sustainable biomass production under CO ₂ conditions and effective wet microalgae lipid extraction for biodiesel production. <i>Journal of Cleaner Production</i> , 2020, 247, 119398.	4.6	128
43	Enhancement of lipid production and energy recovery from the green microalga <i>Chlorella vulgaris</i> by inoculum pretreatment with low-dose cold atmospheric pressure plasma (CAPP). <i>Energy Conversion and Management</i> , 2020, 204, 112314.	4.4	70
44	A close-loop integrated approach for microalgae cultivation and efficient utilization of agar-free seaweed residues for enhanced biofuel recovery. <i>Bioresource Technology</i> , 2020, 317, 124027.	4.8	55
45	Study on the co-operative effect of kitchen wastewater for harvest and enhanced pyrolysis of microalgae. <i>Bioresource Technology</i> , 2020, 317, 123983.	4.8	45
46	A state-of-the-art review on dual purpose seaweeds utilization for wastewater treatment and crude bio-oil production. <i>Energy Conversion and Management</i> , 2020, 222, 113253.	4.4	155
47	Enhancement of biodiesel yield from a halophilic green microalga isolated under extreme hypersaline conditions through stepwise salinity adaptation strategy. <i>Bioresource Technology</i> , 2020, 310, 123462.	4.8	48
48	Tibet plateau probiotic mitigates chromate toxicity in mice by alleviating oxidative stress in gut microbiota. <i>Communications Biology</i> , 2020, 3, 242.	2.0	28
49	Experimental study and economic feasibility analysis on the production of bio-oil by catalytic cracking of three kinds of microalgae. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 149, 104835.	2.6	24
50	Application of p-coumaric acid for extraordinary lipid production in <i>Tetrademus obliquus</i> : A sustainable approach towards enhanced biodiesel production. <i>Renewable Energy</i> , 2020, 157, 368-376.	4.3	34
51	Potential of fat, oil and grease (FOG) for biodiesel production: A critical review on the recent progress and future perspectives. <i>Progress in Energy and Combustion Science</i> , 2020, 81, 100868.	15.8	202
52	Screening of seaweeds for sustainable biofuel recovery through sequential biodiesel and bioethanol production. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32481-32493.	2.7	56
53	Biocomponent-based microalgal transformations into biofuels during the pretreatment and fermentation process. <i>Bioresource Technology</i> , 2020, 302, 122809.	4.8	33
54	Enhancement of biogas production from rape straw using different co-pretreatment techniques and anaerobic co-digestion with cattle manure. <i>Bioresource Technology</i> , 2020, 309, 123311.	4.8	39

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55	Digestate recirculation through co-digestion with rice straw: Towards high biogas production and efficient waste recycling. <i>Journal of Cleaner Production</i> , 2020, 263, 121441.	4.6	19
56	Innovative integrated approach of biofuel production from agricultural wastes by anaerobic digestion and black soldier fly larvae. <i>Journal of Cleaner Production</i> , 2020, 263, 121495.	4.6	68
57	Evaluation of animal- and plant-based lipidic waste in anaerobic digestion: kinetics of long-chain fatty acids degradation. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 733-749.	5.1	22
58	The Therapeutic Potential of Spirulina to Combat COVID 19 Infection. <i>Egyptian Journal of Botany</i> , 2020, .	0.1	5
59	Study on co-pyrolysis synergistic mechanism of seaweed and rice husk by investigation of the characteristics of char/coke. <i>Renewable Energy</i> , 2019, 132, 527-542.	4.3	29
60	Co-pyrolysis and catalytic co-pyrolysis of <i>Enteromorpha clathrata</i> and rice husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2613-2623.	2.0	33
61	Evaluation of bioethanol and biodiesel production from <i>Scenedesmus obliquus</i> grown in biodiesel waste glycerol: A sequential integrated route for enhanced energy recovery. <i>Energy Conversion and Management</i> , 2019, 197, 111907.	4.4	77
62	Recent trends in hyperthermophilic enzymes production and future perspectives for biofuel industry: A critical review. <i>Journal of Cleaner Production</i> , 2019, 238, 117925.	4.6	64
63	Influence of torrefaction pretreatment on the pyrolysis characteristics of seaweed biomass. <i>Cellulose</i> , 2019, 26, 8475-8487.	2.4	12
64	One-step conversion of microalgae to alcohols and esters through co-pyrolysis with biodiesel-derived glycerol. <i>Energy Conversion and Management</i> , 2019, 198, 111792.	4.4	36
65	Biomass briquetting reduces the energy loss during long-term ensiling and enhances anaerobic digestion: A case study on rice straw. <i>Bioresource Technology</i> , 2019, 292, 121912.	4.8	17
66	Evaluation of Infrared Radiation Combined with Hot Air Convection for Energy-Efficient Drying of Biomass. <i>Energies</i> , 2019, 12, 2818.	1.6	35
67	Assessing the performance of modified waste cotton cloth (MWCC) installed in a biological contact reactor as a biofilm carrier used for domestic wastewater treatment. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	2
68	Influence of nutrient supplementation and starvation conditions on the biomass and lipid productivities of <i>Micractinium reisseri</i> grown in wastewater for biodiesel production. <i>Journal of Environmental Management</i> , 2019, 250, 109529.	3.8	42
69	Effect of cosolvent and addition of catalyst (HZSM-5) on hydrothermal liquefaction of macroalgae. <i>International Journal of Energy Research</i> , 2019, 43, 8841.	2.2	12
70	Mechanism research on catalytic pyrolysis of sulfated polysaccharide using ZSM-5 catalysts by Py-GC/MS and density functional theory studies. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 143, 104680.	2.6	28
71	Municipal Wastewater Enriched with Trace Metals for Enhanced Lipid Production of the Biodiesel-Promising Microalga <i>Scenedesmus obliquus</i> . <i>Bioenergy Research</i> , 2019, 12, 1127-1133.	2.2	20
72	A sustainable approach for efficient conversion of lignin into biodiesel accompanied by biological pretreatment of corn straw. <i>Energy Conversion and Management</i> , 2019, 199, 111928.	4.4	44

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73	Optimization of biomass and fatty acid productivity of <i>Desmodesmus intermedius</i> as a promising microalga for biodiesel production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-14.	1.2	6
74	Effect of washing with diluted acids on <i>Enteromorpha clathrata</i> pyrolysis products: Towards enhanced bio-oil from seaweeds. <i>Renewable Energy</i> , 2019, 138, 29-38.	4.3	54
75	Dual Role of Microalgae in Wastewater Treatment and Biodiesel Production. , 2019, , 85-121.		3
76	Catalytic pyrolysis of waste clay oil to produce high quality biofuel. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 141, 104633.	2.6	31
77	Sonochemical assisted fabrication of 3D hierarchical porous carbon for high-performance symmetric supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104617.	3.8	24
78	Night illumination using monochromatic light-emitting diodes for enhanced microalgal growth and biodiesel production. <i>Bioresource Technology</i> , 2019, 288, 121514.	4.8	59
79	Compositional changes of rice straw fibers after pretreatment with diluted acetic acid: Towards enhanced biomethane production. <i>Journal of Cleaner Production</i> , 2019, 230, 775-782.	4.6	63
80	Acetogenesis and methanogenesis liquid digestates for pretreatment of rice straw: A holistic approach for efficient biomethane production and nutrient recycling. <i>Energy Conversion and Management</i> , 2019, 195, 447-456.	4.4	64
81	Biodiesel, Bioethanol, and Biobutanol Production from Microalgae. , 2019, , 293-321.		17
82	Microalgae harvest influences the energy recovery: A case study on chemical flocculation of <i>Scenedesmus obliquus</i> for biodiesel and crude bio-oil production. <i>Bioresource Technology</i> , 2019, 286, 121371.	4.8	92
83	Simultaneous induction of biomass and lipid production in <i>Tetradesmus obliquus</i> BPL16 through polysorbate supplementation. <i>Renewable Energy</i> , 2019, 140, 807-815.	4.3	20
84	Synergistic effects of co-pyrolysis of macroalgae and polyvinyl chloride on bio-oil/bio-char properties and transferring regularity of chlorine. <i>Fuel</i> , 2019, 246, 319-329.	3.4	109
85	Applications of Non-destructive Technologies for Agricultural and Food Products Quality Inspection. <i>Sensors</i> , 2019, 19, 846.	2.1	98
86	Optimization of hydrothermal co-liquefaction of seaweeds with lignocellulosic biomass: Merging 2nd and 3rd generation feedstocks for enhanced bio-oil production. <i>Energy</i> , 2019, 173, 413-422.	4.5	111
87	Evaluation of a native oleaginous marine microalga <i>Nannochloropsis oceanica</i> for dual use in biodiesel production and aquaculture feed. <i>Biomass and Bioenergy</i> , 2019, 120, 439-447.	2.9	111
88	Evaluation of <i>Chlorella sorokiniana</i> isolated from local municipal wastewater for dual application in nutrient removal and biodiesel production. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 425-433.	1.7	40
89	Co-pyrolysis of macroalgae and lignocellulosic biomass. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2001-2016.	2.0	43
90	Application of pulse electric field pretreatment for enhancing lipid extraction from <i>Chlorella pyrenoidosa</i> grown in wastewater. <i>Renewable Energy</i> , 2019, 133, 233-239.	4.3	64

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91	Enhancement of Lipid Production of <i>Scenedesmus obliquus</i> Cultivated in Municipal Wastewater by Plant Growth Regulator Treatment. <i>Waste and Biomass Valorization</i> , 2019, 10, 2479-2485.	1.8	12
92	Pharmaceutical applications and consequent environmental impacts of <i>Spirulina</i> (<i>Arthrospira</i>): An overview. <i>Grasas Y Aceites</i> , 2019, 70, 292.	0.3	55
93	Comparative Study of Combustion Properties of Two Seaweeds in a Batch Fluidized Bed. <i>Combustion Science and Technology</i> , 2018, 190, 755-769.	1.2	5
94	A comparative study on the quality of bio-oil derived from green macroalga <i>Enteromorpha clathrata</i> over metal modified ZSM-5 catalysts. <i>Bioresource Technology</i> , 2018, 256, 446-455.	4.8	49
95	Co-pyrolysis of biomass and waste plastics as a thermochemical conversion technology for high-grade biofuel production: Recent progress and future directions elsewhere worldwide. <i>Energy Conversion and Management</i> , 2018, 163, 468-492.	4.4	417
96	Study on the interaction effect of seaweed bio-coke and rice husk volatiles during co-pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 132, 111-122.	2.6	44
97	Potential of macroalgae for biodiesel production: Screening and evaluation studies. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 231-237.	1.1	89
98	Optimization of chemical flocculation of <i>Scenedesmus obliquus</i> grown on municipal wastewater for improved biodiesel recovery. <i>Renewable Energy</i> , 2018, 115, 880-886.	4.3	48
99	Effect of lipid-free microalgal biomass and waste glycerol on growth and lipid production of <i>Scenedesmus obliquus</i> : Innovative waste recycling for extraordinary lipid production. <i>Bioresource Technology</i> , 2018, 249, 992-999.	4.8	98
100	Co-pyrolysis and co-hydrothermal liquefaction of seaweeds and rice husk: Comparative study towards enhanced biofuel production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 129, 162-170.	2.6	67
101	Bio-char and bio-oil characteristics produced from the interaction of <i>Enteromorpha clathrate</i> volatiles and rice husk bio-char during co-pyrolysis in a sectional pyrolysis furnace: A complementary study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 219-230.	2.6	33
102	Characterization and pyrolysis behavior of the green microalga <i>Micractinium conductrix</i> grown in lab-scale tubular photobioreactor using Py-GC/MS and TGA/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 340-349.	2.6	43
103	Biorefining of rice straw by sequential fermentation and anaerobic digestion for bioethanol and/or biomethane production: Comparison of structural properties and energy output. <i>Bioresource Technology</i> , 2018, 268, 183-189.	4.8	75
104	A study on catalytic co-pyrolysis of cellulose with seaweeds polysaccharides over ZSM-5: Towards high-quality biofuel production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 134, 526-535.	2.6	38
105	Cloning and Functional Analysis of Phosphoethanolamine Methyltransferase Promoter from Maize (<i>Zea mays</i> L.). <i>International Journal of Molecular Sciences</i> , 2018, 19, 191.	1.8	19
106	Analysis of the Genetic Diversity and Population Structure of Austrian and Belgian Wheat Germplasm within a Regional Context Based on DArT Markers. <i>Genes</i> , 2018, 9, 47.	1.0	26
107	Screening of different species of <i>Scenedesmus</i> isolated from Egyptian freshwater habitats for biodiesel production. <i>Renewable Energy</i> , 2018, 129, 114-120.	4.3	32
108	Enhancement of <i>Spirulina</i> biomass production and cadmium biosorption using combined static magnetic field. <i>Bioresource Technology</i> , 2018, 265, 163-169.	4.8	58

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109	Potential cultivation of halophilic oleaginous microalgae on industrial wastewater. Egyptian Journal of Botany, 2018, .	0.1	5
110	Effective bio-pretreatment of sawdust waste with a novel microbial consortium for enhanced biomethanation. Bioresource Technology, 2017, 238, 425-432.	4.8	103
111	Protective effect of <i>Arthrospira platensis</i> against liver injury induced by copper nanoparticles. Oriental Pharmacy and Experimental Medicine, 2017, 17, 203-210.	1.2	9
112	Abundance and diversity of ammonia-oxidizing archaea in a biological aerated filter process. Annals of Microbiology, 2017, 67, 405-416.	1.1	18
113	Screening of marine microalgae isolated from the hypersaline Bardawil lagoon for biodiesel feedstock. Renewable Energy, 2017, 101, 1266-1272.	4.3	83
114	Effect of Gamma Radiation on Growth and Metabolic Activities of <i>Arthrospira platensis</i> . Brazilian Archives of Biology and Technology, 2016, 59, .	0.5	24
115	Microalgal biomass production as a sustainable feedstock for biodiesel: Current status and perspectives. Renewable and Sustainable Energy Reviews, 2016, 64, 596-606.	8.2	158
116	Optimization of aeration for biodiesel production by <i>Scenedesmus obliquus</i> grown in municipal wastewater. Bioprocess and Biosystems Engineering, 2016, 39, 1073-1079.	1.7	46
117	Macroalgal activity against multiple drug resistant <i>Aeromonas hydrophila</i> : A novel treatment study towards enhancement of fish growth performance. Microbial Pathogenesis, 2016, 101, 89-95.	1.3	31
118	Enhancement of Lipid Production of <i>Chlorella Pyrenoidosa</i> Cultivated in Municipal Wastewater by Magnetic Treatment. Applied Biochemistry and Biotechnology, 2016, 180, 1043-1055.	1.4	51
119	Improving of lipid productivity of the biodiesel promising green microalga <i>Chlorella pyrenoidosa</i> via low-energy ion implantation. Journal of Applied Phycology, 2016, 28, 2159-2166.	1.5	37
120	Enhancement of lipid extraction for improved biodiesel recovery from the biodiesel promising microalga <i>Scenedesmus obliquus</i> . Energy Conversion and Management, 2016, 108, 23-29.	4.4	80
121	Protoplast fusion and genetic recombination between <i>Ochromonas danica</i> (Chrysophyta) and <i>Haematococcus pluvialis</i> (Chlorophyta). Phycologia, 2016, 55, 65-71.	0.6	16
122	Effect of static magnetic field on the oxygen production of <i>Scenedesmus obliquus</i> cultivated in municipal wastewater. Water Research, 2015, 86, 132-138.	5.3	73
123	Influence of alum on cyanobacterial blooms and water quality of earthen fish ponds. Environmental Science and Pollution Research, 2015, 22, 16502-16513.	2.7	6
124	Effect of Mn ²⁺ , Co ²⁺ and H ₂ O ₂ on biomass and lipids of the green microalga <i>Chlorella vulgaris</i> as a potential candidate for biodiesel production. Annals of Microbiology, 2015, 65, 155-162.	1.1	62
125	Extracellular secretion of free fatty acids by the chrysophyte <i>Ochromonas danica</i> under photoautotrophic and mixotrophic growth. World Journal of Microbiology and Biotechnology, 2014, 30, 3111-3119.	1.7	17
126	Pilot cultivation of the chlorophyte microalga <i>Scenedesmus obliquus</i> as a promising feedstock for biofuel. Biomass and Bioenergy, 2014, 64, 237-244.	2.9	85

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127	Optimization of biomass and fatty acid productivity of <i>Scenedesmus obliquus</i> as a promising microalga for biodiesel production. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 915-922.	1.7	104
128	Lipid and total fatty acid productivity in photoautotrophic fresh water microalgae: screening studies towards biodiesel production. <i>Journal of Applied Phycology</i> , 2013, 25, 931-936.	1.5	115
129	Impact of UV-B radiation on antioxidant enzymes and protein electrophoretic pattern of the green alga <i>Chlorococcum</i> sp.. <i>Annals of Microbiology</i> , 2008, 58, 195-201.	1.1	11
130	Effect of UV-B radiation on growth, photosynthetic activity and metabolic activities of <i>Chlorococcum</i> sp.. <i>Annals of Microbiology</i> , 2008, 58, 21-27.	1.1	10
131	Enhanced Methane Production Coupled with Livestock Wastewater Treatment Using Anaerobic Membrane Bioreactor: Performance and Membrane Filtration Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
132	Constitutive expression of codon optimized <i>Trichoderma reesei</i> TrCel5A in <i>Pichia pastoris</i> using GAP promoter. <i>Systems Microbiology and Biomanufacturing</i> , 0, , .	1.5	1
133	Introductory Chapter: From Biogas Lab-Scale towards Industrialization. , 0, , .		0