

Wasif Farooq

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,190
citations

304368

22
h-index

329751

37
g-index

38
all docs

38
docs citations

38
times ranked

2384
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid quantification of microalgal lipids in aqueous medium by a simple colorimetric method. <i>Bioresource Technology</i> , 2014, 155, 330-333.	4.8	294
2	Bioremediation of textile wastewater and successive biodiesel production using microalgae. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3107-3126.	8.2	203
3	Two-stage cultivation of two <i>Chlorella</i> sp. strains by simultaneous treatment of brewery wastewater and maximizing lipid productivity. <i>Bioresource Technology</i> , 2013, 132, 230-238.	4.8	186
4	Water use and its recycling in microalgae cultivation for biofuel application. <i>Bioresource Technology</i> , 2015, 184, 73-81.	4.8	153
5	Pyrolysis of high-ash sewage sludge: Thermo-kinetic study using TGA and artificial neural networks. <i>Fuel</i> , 2018, 233, 529-538.	3.4	148
6	Potential of biomass for bioenergy in Pakistan based on present case and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1247-1258.	8.2	122
7	Efficient microalgae harvesting by organo-building blocks of nanoclays. <i>Green Chemistry</i> , 2013, 15, 749.	4.6	82
8	Effect of harvesting methods on the reusability of water for cultivation of <i>Chlorella vulgaris</i> , its lipid productivity and biodiesel quality. <i>Algal Research</i> , 2015, 8, 1-7.	2.4	82
9	A comparative study of machine learning methods for bio-oil yield prediction – A genetic algorithm-based features selection. <i>Bioresource Technology</i> , 2021, 335, 125292.	4.8	82
10	Harvesting of oleaginous <i>Chlorella</i> sp. by organoclays. <i>Bioresource Technology</i> , 2013, 132, 440-445.	4.8	74
11	Current status of biohydrogen production from lignocellulosic biomass, technical challenges and commercial potential through pyrolysis process. <i>Energy</i> , 2021, 226, 120433.	4.5	67
12	Lipid extractions from docosahexaenoic acid (DHA)-rich and oleaginous <i>Chlorella</i> sp. biomasses by organic-nanoclays. <i>Bioresource Technology</i> , 2013, 137, 74-81.	4.8	66
13	Recent progress in microalgae-derived biochar for the treatment of textile industry wastewater. <i>Chemosphere</i> , 2022, 306, 135565.	4.2	62
14	Aminoclay-conjugated TiO ₂ synthesis for simultaneous harvesting and wet-disruption of oleaginous <i>Chlorella</i> sp.. <i>Chemical Engineering Journal</i> , 2014, 245, 143-149.	6.6	54
15	Development of direct conversion method for microalgal biodiesel production using wet biomass of <i>Nannochloropsis salina</i> . <i>Bioresource Technology</i> , 2015, 191, 438-444.	4.8	53
16	Oil extraction by aminoparticle-based H ₂ O ₂ activation via wet microalgae harvesting. <i>RSC Advances</i> , 2013, 3, 12802.	1.7	51
17	Preparation and Evaluation of Fe-Al Binary Oxide for Arsenic Removal: Comparative Study with Single Metal Oxides. <i>Separation Science and Technology</i> , 2010, 45, 1975-1981.	1.3	46
18	Algal-bacterial process for the simultaneous detoxification of thiocyanate-containing wastewater and maximized lipid production under photoautotrophic/photoheterotrophic conditions. <i>Bioresource Technology</i> , 2014, 162, 70-79.	4.8	42

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19	Utilization of lipid extracted algal biomass and sugar factory wastewater for algal growth and lipid enhancement of <i>Ettlia</i> sp.. <i>Bioresource Technology</i> , 2014, 163, 180-185.	4.8	32
20	Ru-embedded 3D g-C ₃ N ₄ hollow nanosheets (3D CNHNS) with proficient charge transfer for stimulating photocatalytic H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27997-28010.	3.8	28
21	Synthesis and characterization of zinc-coated urea fertilizer. <i>Journal of Plant Nutrition</i> , 2018, 41, 1625-1635.	0.9	26
22	<i>Chlorella vulgaris</i> cultivation with an additive of magnesium-aminoclay. <i>Algal Research</i> , 2016, 17, 211-216.	2.4	24
23	Characterization of newly isolated oleaginous microalga <i>Monoraphidium</i> sp. for lipid production under different conditions. <i>Algal Research</i> , 2015, 12, 289-294.	2.4	21
24	Direct transesterification of wet microalgal biomass for preparation of biodiesel. <i>Algal Research</i> , 2015, 12, 405-411.	2.4	21
25	Effect of ultra-violet cross-linking on the properties of boric acid and glycerol co-plasticized thermoplastic starch films. <i>Food Packaging and Shelf Life</i> , 2019, 19, 184-192.	3.3	21
26	Monitoring lipids profile, CO ₂ fixation, and water recyclability for the economic viability of microalgae <i>Chlorella vulgaris</i> cultivation at different initial nitrogen. <i>Journal of Biotechnology</i> , 2022, 345, 30-39.	1.9	20
27	An integrated framework of data-driven, metaheuristic, and mechanistic modeling approach for biomass pyrolysis. <i>Chemical Engineering Research and Design</i> , 2022, 162, 337-345.	2.7	20
28	In situ Transesterification of Microalgae <i>Parachlorella kessleri</i> Biomass Using Sulfonated Rice Husk Solid Catalyst at Room Temperature. <i>Bioenergy Research</i> , 2020, 13, 530-541.	2.2	18
29	Removal of Bromate (BrO ⁻) from Water using Cationic Surfactant-Modified Powdered Activated Carbon (SM-PAC). <i>Separation Science and Technology</i> , 2012, 47, 1906-1912.	1.3	16
30	Energy efficient process for microalgae cell disruption for oil recovery using triiodide resin. <i>Algal Research</i> , 2016, 13, 102-108.	2.4	15
31	Sustainable production of microalgae biomass for biofuel and chemicals through recycling of water and nutrient within the biorefinery context: A review. <i>GCB Bioenergy</i> , 2021, 13, 914-940.	2.5	15
32	Evolved Gas Analysis and Kinetics of Catalytic and Non-Catalytic Pyrolysis of Microalgae <i>Chlorella</i> sp. Biomass With Ni ₁ -Al ₂ O ₃ Catalyst via Thermogravimetric Analysis. <i>Frontiers in Energy Research</i> , 0, 9, .	1.2	12
33	Valorization of Wet Oily Petrochemical Sludge via Slow Pyrolysis: Thermo-Kinetics Assessment and Artificial Neural Network Modeling. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	10
34	Magnesium Aminoclay-Fe ₃ O ₄ (MgAC-Fe ₃ O ₄) Hybrid Composites for Harvesting of Mixed Microalgae. <i>Energies</i> , 2018, 11, 1359.	1.6	8
35	Influence of Plasticizers on Mechanical and Thermal Properties of Methyl Cellulose-Based Edible Films. <i>Journal of Polymers and the Environment</i> , 2018, 26, 291-300.	2.4	7
36	Cobalt Boride/g-C ₃ N ₄ Nanosheets-Assisted Electrocatalytic Oxidation of 5-Hydroxymethylfurfural into 2,5-Furandicarboxylic Acid. <i>Catalysts</i> , 2021, 11, 1241.	1.6	4

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37	Isolation of indigenous microalgae: nitrogen/phosphorous removal and biofuel production. <i>Biofuels</i> , 2020, 11, 269-276.	1.4	3
38	Maximizing Energy Content and CO ₂ Bio-fixation Efficiency of an Indigenous Isolated Microalga <i>Parachlorella kessleri</i> HY-6 Through Nutrient Optimization and Water Recycling During Cultivation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 804608.	2.0	2