

Emily T Kostas

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

935
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	The application of microwave heating in bioenergy: A review on the microwave pre-treatment and upgrading technologies for biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 12-27.	16.4	209
2	Microwave pyrolysis of biomass for bio-oil production: Scalable processing concepts. <i>Chemical Engineering Journal</i> , 2017, 316, 481-498.	12.7	155
3	Selection of yeast strains for bioethanol production from UK seaweeds. <i>Journal of Applied Phycology</i> , 2016, 28, 1427-1441.	2.8	73
4	Microwave pyrolysis of olive pomace for bio-oil and bio-char production. <i>Chemical Engineering Journal</i> , 2020, 387, 123404.	12.7	64
5	High-pressure technology for <i>Sargassum</i> spp biomass pretreatment and fractionation in the third generation of bioethanol production. <i>Bioresource Technology</i> , 2021, 329, 124935.	9.6	60
6	Development of a bio-refinery process for the production of speciality chemical, biofuel and bioactive compounds from <i>Laminaria digitata</i> . <i>Algal Research</i> , 2017, 28, 211-219.	4.6	59
7	Macroalgal biorefinery concepts for the circular bioeconomy: A review on biotechnological developments and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111553.	16.4	58
8	Hydrothermal conversion of different lignocellulosic biomass feedstocks – Effect of the process conditions on hydrochar structures. <i>Fuel</i> , 2021, 302, 121166.	6.4	50
9	Rapid, simple and sustainable synthesis of ultra-microporous carbons with high performance for CO ₂ uptake, via microwave heating. <i>Chemical Engineering Journal</i> , 2020, 388, 124309.	12.7	38
10	Ignition and Kinetic Studies: The Influence of Lignin on Biomass Combustion. <i>Energy & Fuels</i> , 2019, 33, 6463-6472.	5.1	34
11	Microwave pyrolysis of <i>Laminaria digitata</i> to produce unique seaweed-derived bio-oils. <i>Biomass and Bioenergy</i> , 2019, 125, 41-49.	5.7	32
12	Bioethanol Production from UK Seaweeds: Investigating Variable Pre-treatment and Enzyme Hydrolysis Parameters. <i>Bioenergy Research</i> , 2020, 13, 271-285.	3.9	31
13	Green and simple approach for low-cost bioproducts preparation and CO ₂ capture. <i>Chemosphere</i> , 2021, 279, 130512.	8.2	19
14	Macroalgal biomass in terms of third-generation biorefinery concept: Current status and techno-economic analysis – A review. <i>Bioresource Technology Reports</i> , 2021, 16, 100863.	2.7	15
15	2,3-Dihydroxyisovalerate production by <i>Klebsiella pneumoniae</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6601-6613.	3.6	11
16	Microwave pyrolysis of biomass within a liquid medium. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 134, 381-388.	5.5	10
17	Identification of Bio-oil Compound Utilizing Yeasts Through Phenotypic Microarray Screening. <i>Waste and Biomass Valorization</i> , 2020, 11, 2507-2519.	3.4	10
18	Simultaneous conventional and microwave heating for the synthesis of adsorbents for CO ₂ capture: Comparative study to pristine technologies. <i>Chemical Engineering Journal</i> , 2022, 438, 135549.	12.7	7

#	ARTICLE	IF	CITATIONS
19	Complete Acid-Based Hydrolysis Assay for Carbohydrate Quantification in Seaweed: A Species-Specific Optimized Approach. <i>Methods in Molecular Biology</i> , 2017, 1980, 181-190.	0.9	0