Kyochan Kim

List of Publications by Year
in descending order

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27	1,178	471509 17	526287 27
papers	citations	h-index	g-index

27	27	27	1620
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methods of downstream processing for the production of biodiesel from microalgae. Biotechnology Advances, 2013, 31, 862-876.	11.7	454
2	Use of organic waste from the brewery industry for high-density cultivation of the docosahexaenoic acid-rich microalga, Aurantiochytrium sp. KRS101. Bioresource Technology, 2013, 129, 351-359.	9.6	98
3	High-cell-density cultivation of oleaginous yeast Cryptococcus curvatus for biodiesel production using organic waste from the brewery industry. Bioresource Technology, 2013, 135, 357-364.	9.6	88
4	Continuous microalgae recovery using electrolysis: Effect of different electrode pairs and timing of polarity exchange. Bioresource Technology, 2012, 123, 164-170.	9.6	56
5	A novel fed-batch process based on the biology of Aurantiochytrium sp. KRS101 for the production of biodiesel and docosahexaenoic acid. Bioresource Technology, 2013, 135, 269-274.	9.6	54
6	Evaluation of various harvesting methods for high-density microalgae, Aurantiochytrium sp. KRS101. Bioresource Technology, 2015, 198, 828-835.	9.6	42
7	Dynamic microfiltration with a perforated disk for effective harvesting of microalgae. Journal of Membrane Science, 2015, 475, 252-258.	8.2	42
8	Autotrophic biofloc technology system (ABFT) using Chlorella vulgaris and Scenedesmus obliquus positively affects performance of Nile tilapia (Oreochromis niloticus). Algal Research, 2017, 27, 259-264.	4.6	40
9	Selective removal of rotifers in microalgae cultivation using hydrodynamic cavitation. Algal Research, 2017, 28, 24-29.	4.6	29
10	Biological wastewater treatment: Comparison of heterotrophs (BFT) with autotrophs (ABFT) in aquaculture systems. Bioresource Technology, 2020, 296, 122293.	9.6	27
11	Acid-catalyzed hot-water extraction of docosahexaenoic acid (DHA)-rich lipids from Aurantiochytrium sp. KRS101. Bioresource Technology, 2014, 161, 469-472.	9.6	25
12	Tuna byproducts as a fish-meal in tilapia aquaculture. Ecotoxicology and Environmental Safety, 2019, 172, 364-372.	6.0	25
13	Utilization of Microalgae in Aquaculture System: Biological Wastewater Treatment. Emerging Science Journal, 2019, 3, 209-221.	3.7	24
14	Nutrient-driven forward osmosis coupled with microalgae cultivation for energy efficient dewatering of microalgae. Algal Research, 2020, 48, 101880.	4.6	23
15	Evaluation of an electro-flotation-oxidation process for harvesting bio-flocculated algal biomass and simultaneous treatment of residual pollutants in coke wastewater following an algal-bacterial process. Algal Research, 2018, 31, 497-505.	4.6	20
16	Turbulent jet-assisted microfiltration for energy efficient harvesting of microalgae. Journal of Membrane Science, 2019, 575, 170-178.	8.2	18
17	Effects of molten-salt/ionic-liquid mixture on extraction of docosahexaenoic acid (DHA)-rich lipids from Aurantiochytrium sp. KRS101. Bioprocess and Biosystems Engineering, 2014, 37, 2199-2204.	3.4	17
18	Harvesting of Scenedesmus obliquus cultivated in seawater using electro-flotation. Korean Journal of Chemical Engineering, 2017, 34, 62-65.	2.7	15

#	Article	IF	Citations
19	Dynamical Modeling of Water Flux in Forward Osmosis with Multistage Operation and Sensitivity Analysis of Model Parameters. Water (Switzerland), 2020, 12, 31.	2.7	15
20	Organic solvent-free lipid extraction from wet Aurantiochytrium sp. biomass for co-production of biodiesel and value-added products. Applied Biological Chemistry, 2017, 60, 101-108.	1.9	13
21	Harvesting of Scenedesmus obliquus using dynamic filtration with a perforated disk. Journal of Membrane Science, 2016, 517, 14-20.	8.2	12
22	Evaluation of floc-harvesting technologies in biofloc technology (BFT) system for aquaculture. Bioresource Technology, 2020, 314, 123719.	9.6	12
23	Feed and Disease at Olive Flounder (Paralichthys olivaceus) Farms in Korea. Fishes, 2020, 5, 21.	1.7	11
24	Use of extracts from oyster shell and soil for cultivation of Spirulina maxima. Bioprocess and Biosystems Engineering, 2014, 37, 2395-2400.	3.4	6
25	Cost-efficient cultivation of Spirulina platensis by chemical absorption of CO2 into medium containing NaOH. Korean Journal of Chemical Engineering, 2015, 32, 2285-2289.	2.7	5
26	Dynamic filtration with a perforated disk for dewatering of Tetraselmis suecica. Environmental Technology (United Kingdom), 2017, 38, 3102-3108.	2.2	4
27	Potential of Bacterial Strains Isolated from Coastal Water for Wastewater Treatment and as Aqua-Feed Additives. Microorganisms, 2021, 9, 2441.	3.6	3