Ji-Yeon Park

List of Publications by Year
in descending order

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43 papers	2,476 citations	218677 26 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	2908 citing authors

#	Article	IF	Citations
1	Blending effects of biodiesels on oxidation stability and low temperature flow properties. Bioresource Technology, 2008, 99, 1196-1203.	9.6	286
2	Cell-wall disruption and lipid/astaxanthin extraction from microalgae: Chlorella and Haematococcus. Bioresource Technology, 2016, 199, 300-310.	9.6	256
3	Advances in direct transesterification of algal oils from wet biomass. Bioresource Technology, 2015, 184, 267-275.	9.6	156
4	Esterification of free fatty acids using water-tolerable Amberlyst as a heterogeneous catalyst. Bioresource Technology, 2010, 101, S62-S65.	9.6	150
5	Effects of ionic liquid mixtures on lipid extraction from Chlorella vulgaris. Renewable Energy, 2014, 65, 169-174.	8.9	114
6	Effects of enzymatic hydrolysis on lipid extraction from Chlorella vulgaris. Renewable Energy, 2013, 54, 156-160.	8.9	106
7	Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe₃O₄ nanoparticles. Green Chemistry, 2016, 18, 3981-3989.	9.0	88
8	Effect of nitric acid on pretreatment and fermentation for enhancing ethanol production of rice straw. Carbohydrate Polymers, 2014, 99, 563-567.	10.2	81
9	Acid-catalyzed hot-water extraction of lipids from Chlorella vulgaris. Bioresource Technology, 2014, 153, 408-412.	9.6	79
10	Improved biomass and lipid production in a mixotrophic culture of Chlorella sp. KR-1 with addition of coal-fired flue-gas. Bioresource Technology, 2014, 171, 500-505.	9.6	76
11	High-efficiency cell disruption and astaxanthin recovery from Haematococcus pluvialis cyst cells using room-temperature imidazolium-based ionic liquid/water mixtures. Bioresource Technology, 2019, 274, 120-126.	9.6	76
12	Production and Characterization of Biodiesel from Tung Oil. Applied Biochemistry and Biotechnology, 2008, 148, 109-117.	2.9	66
13	Lipid extractions from docosahexaenoic acid (DHA)-rich and oleaginous Chlorella sp. biomasses by organic-nanoclays. Bioresource Technology, 2013, 137, 74-81.	9.6	66
14	Repeated use of stable magnetic flocculant for efficient harvest of oleaginous Chlorella sp.. Bioresource Technology, 2014, 167, 284-290.	9.6	64
15	Lipid extraction from Chlorella vulgaris by molten-salt/ionic-liquid mixtures. Algal Research, 2014, 3, 44-48.	4.6	60
16	Optimization of NaOH-catalyzed steam pretreatment of empty fruit bunch. Biotechnology for Biofuels, 2013, 6, 170.	6.2	55
17	Aminoclay-conjugated TiO2 synthesis for simultaneous harvesting and wet-disruption of oleaginous Chlorella sp.. Chemical Engineering Journal, 2014, 245, 143-149.	12.7	54
18	Oil extraction by aminoparticle-based H2O2 activation via wet microalgae harvesting. RSC Advances, 2013, 3, 12802.	3.6	51

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19	Acidified-flocculation process for harvesting of microalgae: Coagulant reutilization and metal-free-microalgae recovery. Bioresource Technology, 2017, 239, 190-196.	9.6	48
20	Sonication-assisted homogenization system for improved lipid extraction from Chlorella vulgaris. Renewable Energy, 2015, 79, 3-8.	8.9	46
21	Enhancement of enzymatic digestibility of Eucalyptus grandis pretreated by NaOH catalyzed steam explosion. Bioresource Technology, 2012, 123, 707-712.	9.6	39
22	Magnetic-Nanoflocculant-Assisted Waterâ€“Nonpolar Solvent Interface Sieve for Microalgae Harvesting. ACS Applied Materials & Interfaces, 2015, 7, 18336-18343.	8.0	39
23	An integrated process for microalgae harvesting and cell disruption by the use of ferric ions. Bioresource Technology, 2015, 191, 469-474.	9.6	37
24	Efficient upgrading of pyrolysis bio-oil over Ni-based catalysts in supercritical ethanol. Fuel, 2019, 241, 207-217.	6.4	36
25	Hydrothermal nitric acid treatment for effectual lipid extraction from wet microalgae biomass. Bioresource Technology, 2014, 172, 138-142.	9.6	30
26	Aminoclay-induced humic acid flocculation for efficient harvesting of oleaginous Chlorella sp.. Bioresource Technology, 2014, 153, 365-369.	9.6	28
27	Enhancement of enzymatic digestibility of oil palm empty fruit bunch by ionic-liquid pretreatment. Energy, 2012, 47, 11-16.	8.8	27
28	Effects of anionic surfactant on extraction of free fatty acid from Chlorella vulgaris. Bioresource Technology, 2014, 166, 620-624.	9.6	25
29	Acid-catalyzed hot-water extraction of docosahexaenoic acid (DHA)-rich lipids from Aurantiochytrium sp. KRS101. Bioresource Technology, 2014, 161, 469-472.	9.6	25
30	Changes in fatty acid composition of Chlorella vulgaris by hypochlorous acid. Bioresource Technology, 2014, 162, 379-383.	9.6	25
31	Hydrothermal acid treatment for sugar extraction from Golenkinia sp.. Bioresource Technology, 2015, 190, 408-411.	9.6	22
32	Creep and creep-rupture of Alloy 617. Nuclear Engineering and Design, 2018, 329, 142-146.	1.7	22
33	In-situ upgrading of bio-tar over Mg-Ni-Mo catalyst supported by KOH treated activated charcoal in supercritical ethanol. Fuel, 2019, 247, 334-343.	6.4	22
34	Production of biodiesel from soapstock using an ion-exchange resin catalyst. Korean Journal of Chemical Engineering, 2008, 25, 1350-1354.	2.7	19
35	Critical Point Drying: An Effective Drying Method for Direct Measurement of the Surface Area of a Pretreated Cellulosic Biomass. Polymers, 2018, 10, 676.	4.5	18
36	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

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37	Switchable solvent N, N, Nâ€², Nâ€²-tetraethyl-1, 3-propanediamine was dissociated into cationic surfactant to promote cell disruption and lipid extraction from wet microalgae for biodiesel production. Bioresource Technology, 2020, 312, 123607.	9.6	17
38	Effects of supercritical fluids in catalytic upgrading of biomass pyrolysis oil. Chemical Engineering Journal, 2019, 377, 120312.	12.7	15
39	Recovery of Astaxanthin-Containing Oil from Haematococcus pluvialis by Nano-dispersion and Oil Partitioning. Applied Biochemistry and Biotechnology, 2020, 190, 1304-1318.	2.9	11
40	Extraction of microalgal oil from Nannochloropsis oceanica by potassium hydroxide-assisted solvent extraction for heterogeneous transesterification. Renewable Energy, 2020, 162, 2056-2065.	8.9	11
41	Behavior of Surfactants in Oil Extraction by Surfactant-Assisted Acidic Hydrothermal Process from Chlorella vulgaris. Applied Biochemistry and Biotechnology, 2021, 193, 319-334.	2.9	5
42	Feasibility tests of â€“SO₃H/â€“SO₃^{â^’}-functionalized magnesium phyllosilicate [â€“SO₃H/â€“SO₃^{â^’} MP] for environmental and bioenergy applications. RSC Advances, 2015, 5, 63271-63277.	3.6	4
43	Dual-end-functionalized tin (Sn)-phyllosilicates for the esterification of oleic acid. Journal of Industrial and Engineering Chemistry, 2016, 41, 50-61.	5.8	4