

Kyung-Won Jung

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,393
citations

361413

20
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of granular activated carbons derived from spent coffee grounds by entrapment in calcium alginate beads for adsorption of acid orange 7 and methylene blue. <i>Bioresource Technology</i> , 2016, 219, 185-195.	9.6	179
2	Bioreactor design for continuous dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2011, 102, 8612-8620.	9.6	172
3	Fermentative hydrogen production from <i>Laminaria japonica</i> and optimization of thermal pretreatment conditions. <i>Bioresource Technology</i> , 2011, 102, 2745-2750.	9.6	144
4	Phosphate adsorption ability of biochar/Mg-Al assembled nanocomposites prepared by aluminum-electrode based electro-assisted modification method with MgCl ₂ as electrolyte. <i>Bioresource Technology</i> , 2015, 198, 603-610.	9.6	132
5	Continuous fermentative hydrogen production from coffee drink manufacturing wastewater by applying UASB reactor. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 13370-13378.	7.1	102
6	Optimization of combined (acid+thermal) pretreatment for fermentative hydrogen production from <i>Laminaria japonica</i> using response surface methodology (RSM). <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9626-9631.	7.1	99
7	Direct fermentation of <i>Laminaria japonica</i> for biohydrogen production by anaerobic mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5857-5864.	7.1	92
8	Microalgal biomass as a feedstock for bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15533-15539.	7.1	50
9	Optimization of dark fermentative H ₂ production from microalgal biomass by combined (acid+ultrasonic) pretreatment. <i>Bioresource Technology</i> , 2013, 141, 220-226.	9.6	46
10	Continuous fermentative hydrogen and methane production from <i>Laminaria japonica</i> using a two-stage fermentation system with recycling of methane fermented effluent. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15648-15657.	7.1	42
11	Effect of temperature on continuous fermentative hydrogen production from <i>Laminaria japonica</i> by anaerobic mixed cultures. <i>Bioresource Technology</i> , 2013, 144, 225-231.	9.6	37
12	Application of an electric field for pretreatment of a seeding source for dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2013, 139, 393-396.	9.6	37
13	Application of a novel enzymatic pretreatment using crude hydrolytic extracellular enzyme solution to microalgal biomass for dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2014, 159, 365-372.	9.6	37
14	Combining fluidized metal-impregnated granular activated carbon in three-dimensional electrocoagulation system: Feasibility and optimization test of color and COD removal from real cotton textile wastewater. <i>Separation and Purification Technology</i> , 2015, 146, 154-167.	7.9	37
15	Conversion of organic solid waste to hydrogen and methane by two-stage fermentation system with reuse of methane fermenter effluent as diluting water in hydrogen fermentation. <i>Bioresource Technology</i> , 2013, 139, 120-127.	9.6	34
16	Performance evaluation and optimization of a fluidized three-dimensional electrode reactor combining pre-exposed granular activated carbon as a moving particle electrode for greywater treatment. <i>Separation and Purification Technology</i> , 2015, 156, 414-423.	7.9	28
17	Decolorization of Acid Orange 7 by an electric field-assisted modified orifice plate hydrodynamic cavitation system: Optimization of operational parameters. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 22-29.	8.2	23
18	Development of a novel electric field-assisted modified hydrodynamic cavitation system for disintegration of waste activated sludge. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1635-1640.	8.2	22

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19	Application of an electric field for pretreatment of a feedstock (<i>Laminaria japonica</i>) for dark fermentative hydrogen production. <i>Biomass and Bioenergy</i> , 2015, 72, 184-188.	5.7	21
20	Entrapment of powdered drinking water treatment residues in calcium-alginate beads for fluoride removal from actual industrial wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 101-111.	5.8	20
21	Application and optimization of electric field-assisted ultrasonication for disintegration of waste activated sludge using response surface methodology with a Box-Behnken design. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 437-445.	8.2	19
22	A novel approach for improvement of purity and porosity in diatomite (diatomaceous earth) by applying an electric field. <i>International Journal of Mineral Processing</i> , 2014, 131, 7-11.	2.6	14
23	Statistical optimization of mixture ratio and particle size for dry co-digestion of food waste and manure by response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1493-1496.	2.7	3
24	Inoculum preparation of anaerobic mixed cultures by electric field for dark fermentative hydrogen production. <i>International Journal of Energy Research</i> , 2014, 38, 2052-2056.	4.5	2
25	Enhanced decolorization efficiency of acid orange 7 by electric field granular-activated carbon combined system and its statistical optimization by response surface methodology. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1674-1682.	2.3	1