Chun-Han Ko

List of Publications by Year
in descending order

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72	2,025	218662	265191
papers	citations	26	42
		h-index	g-index

72	72	72	2663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life cycle assessment of heavy metal contaminated sites: phytoremediation and soil excavation. International Journal of Phytoremediation, 2022, 24, 334-341.	3.1	3
2	Antifungal Sesquiterpenoids from Michelia formosana Leaf Essential Oil against Wood-Rotting Fungi. Molecules, 2022, 27, 2136.	3.8	11
3	Construction of a structural enzyme adsorption/kinetics model to elucidate additives associated ligninâ€“cellulase interactions in complex bioconversion system. Biotechnology and Bioengineering, 2021, 118, 4065-4075.	3.3	9
4	Impact of pretreatment methods on production of bioethanol and nanocrystalline cellulose. Journal of Cleaner Production, 2020, 254, 119914.	9.3	20
5	Dataset of biomass waste of rice paddies and forest sectors supporting the assessment of the potential for bioenergy production in Taiwan. Data in Brief, 2019, 27, 104613.	1.0	2
6	The emissions from co-firing of biomass and torrefied biomass with coal in a chain-grate steam boiler. Journal of the Air and Waste Management Association, 2019, 69, 1467-1478.	1.9	11
7	Effect of Paenibacillus cellulase pretreatment for fiber surface. Journal of Environmental Management, 2019, 241, 1-11.	7.8	8
8	Enhancement of phytoextraction by Taiwanese chenopod and Napier grass by soapnut saponin and EDDS additions. Environmental Science and Pollution Research, 2019, 26, 34311-34320.	5.3	2
9	Potential of bioenergy production from biomass wastes of rice paddies and forest sectors in Taiwan. Journal of Cleaner Production, 2019, 206, 460-476.	9.3	43
10	Agricultural waste derived fuel from oil meal and waste cooking oil. Environmental Science and Pollution Research, 2018, 25, 5223-5230.	5.3	23
11	A Pilot Plant Study on the Autoclaving of Food Wastes for Resource Recovery and Reutilization. Sustainability, 2018, 10, 3566.	3.2	8
12	Carbon sequestration potential via energy harvesting from agricultural biomass residues in Mekong River basin, Southeast Asia. Renewable and Sustainable Energy Reviews, 2017, 68, 1051-1062.	16.4	28
13	Bioethanol production from recovered napier grass with heavy metals. Journal of Environmental Management, 2017, 203, 1005-1010.	7.8	38
14	Production of a solid bio-fuel from waste bamboo chopsticks by torrefaction for cofiring with coal. Journal of Analytical and Applied Pyrolysis, 2017, 126, 315-322.	5.5	35
15	Life cycle assessment of bioethanol production from three feedstocks and two fermentation waste reutilization schemes. Journal of Cleaner Production, 2017, 143, 973-979.	9.3	28
16	Carbon sequestration and substitution potential of subtropical mountain Sugi plantation forests in central Taiwan. Journal of Cleaner Production, 2017, 167, 1099-1105.	9.3	12
17	Fabrication of Novel Hydrogel with Berberine-Enriched Carboxymethylcellulose and Hyaluronic Acid as an Anti-Inflammatory Barrier Membrane. BioMed Research International, 2016, 2016, 1-9.	1.9	28
18	Sensitivity enhancement in the fluorometric determination of aliphatic amines using naphthalene-2,3-dicarboxaldehyde derivatization followed by vortex-assisted liquidâ€“liquid microextraction. Talanta, 2016, 152, 475-481.	5.5	13

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19	Properties of Enzyme Pretreated Wikstroemia sikokiana and Broussonetia papyrifera Bast Fiber Pulps. BioResources, 2015, 10, .	1.0	6
20	Selective leaching process for the recovery of copper and zinc oxide from copper-containing dust. Environmental Technology (United Kingdom), 2015, 36, 2952-2958.	2.2	17
21	Combining Cellulosic Ethanol Fermentation Waste and Municipal Solid Waste-derived Fiber with a Kraft Black Liquor-derived Binder for Recycled Paper Making. BioResources, 2015, 10, .	1.0	0
22	Extraction of heavy metals from contaminated soil by Cinnamomum camphora. Ecotoxicology, 2014, 23, 1987-1995.	2.4	7
23	Potential bioethanol production from Taiwanese chenopods (Chenopodium formosanum). Energy, 2014, 76, 59-65.	8.8	18
24	1H, 13C and 15N backbone and side-chain resonance assignments of a family 36 carbohydrate binding module of xylanase from Paenibacillus campinasensis. Biomolecular NMR Assignments, 2014, 8, 303-306.	0.8	0
25	Extraction of Heavy Metals from Contaminated Soil by Two Amaranthus spp.. Clean - Soil, Air, Water, 2014, 42, 635-640.	1.1	10
26	Phytoremediation of heavy metal contaminated soil by Jatropha curcas. Ecotoxicology, 2014, 23, 1969-1978.	2.4	49
27	Resource recovery of organic sludge as refuse derived fuel by fry-drying process. Bioresource Technology, 2013, 141, 240-244.	9.6	15
28	Autoclaving treatment of wasted disposable bamboo chopsticks. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 1010-1015.	5.3	11
29	Factors affecting chelating extraction of Cr, Cu, and As from CCA-treated wood. Journal of Environmental Management, 2013, 122, 42-46.	7.8	11
30	Economic and environmental analysis of using constructed riparian wetlands to support urbanized municipal wastewater treatment. Ecological Engineering, 2012, 44, 249-258.	3.6	14
31	Potentials of lignocellulosic bioethanols produced from hardwood in Taiwan. Energy, 2012, 44, 329-334.	8.8	33
32	Impact of methanol addition strategy on enzymatic transesterification of jatropha oil for biodiesel processing. Energy, 2012, 48, 375-379.	8.8	22
33	Removal of chloride from MSWI fly ash. Journal of Hazardous Materials, 2012, 237-238, 116-120.	12.4	86
34	Production of Xylooligosaccharides from Forest Waste by Membrane Separation and Paenibacillus Xylanase Hydrolysis. BioResources, 2012, 8, .	1.0	5
35	Effects of adding organo-clays for acrylic-based intumescent coating on fire-retardancy of painted thin plywood. Applied Clay Science, 2011, 53, 709-715.	5.2	22
36	Expression and thermostability of Paenibacillus campinasensis BL11 pectate lyase and its applications in bast fibre processing. Annals of Applied Biology, 2011, 158, 218-225.	2.5	11

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37	Effects of fiber physical and chemical characteristics on the interaction between endoglucanase and eucalypt fibers. Cellulose, 2011, 18, 1043-1054.	4.9	13
38	The correlations between system treatment efficiencies and aboveground emergent macrophyte nutrient removal for the Hsin-Hai Bridge phase II constructed wetland. Bioresource Technology, 2011, 102, 5431-5437.	9.6	27
39	Associations Between Water Quality Parameters and Planktonic Communities in Three Constructed Wetlands, Taipei. Wetlands, 2011, 31, 1241-1248.	1.5	8
40	Ozonation of guaiacol solution in a rotating packed bed. Chemical Engineering Journal, 2011, 171, 1045-1052.	12.7	19
41	Bioenergy production potential for aboveground biomass from a subtropical constructed wetland. Biomass and Bioenergy, 2011, 35, 50-58.	5.7	32
42	Identification of Paenibacillus sp. 2S-6 and application of its xylanase on biobleaching. International Biodeterioration and Biodegradation, 2011, 65, 334-339.	3.9	24
43	Evaluation of Bamboo as A Feedstock for Bioethanols in Taiwan. , 2011, , .		3
44	Impact of wetting and drying cycle treatment of intumescent coatings on the fire performance of thin painted red lauan (Parashorea sp.) plywood. Journal of Wood Science, 2010, 56, 208-215.	1.9	7
45	Impact of flood damage on pollutant removal efficiencies of a subtropical urban constructed wetland. Science of the Total Environment, 2010, 408, 4328-4333.	8.0	14
46	Molecular cloning and characterization of a novel thermostable xylanase from Paenibacillus campinasensis BL11. Process Biochemistry, 2010, 45, 1638-1644.	3.7	31
47	Enhanced chemical oxygen demand removal and flux reduction in pulp and paper wastewater treatment using laccase-polymerized membrane filtration. Journal of Hazardous Materials, 2010, 181, 763-770.	12.4	20
48	Xylanase production by Paenibacillus campinasensis BL11 and its pretreatment of hardwood kraft pulp bleaching. International Biodeterioration and Biodegradation, 2010, 64, 13-19.	3.9	56
49	Characterization and pulp refining activity of a Paenibacillus campinasensis cellulase expressed in Escherichia coli. Bioresource Technology, 2010, 101, 7882-7888.	9.6	35
50	Extraction of chromium, copper, and arsenic from CCA-treated wood using biodegradable chelating agents. Bioresource Technology, 2010, 101, 1528-1531.	9.6	28
51	Versatile Phosphoramidation Reactions for Nucleic Acid Conjugations with Peptides, Proteins, Chromophores, and Biotin Derivatives. Bioconjugate Chemistry, 2010, 21, 1642-1655.	3.6	19
52	Risk assessment of exposure to volatile organic compounds in groundwater in Taiwan. Science of the Total Environment, 2009, 407, 2165-2174.	8.0	49
53	Impact of the intumescent formulation of styrene acrylic-based coatings on the fire performance of thin painted red lauan (Parashorea spp.) plywood. European Journal of Wood and Wood Products, 2009, 67, 407.	2.9	11
54	Impact of disinfectant and nutrient concentration on growth and biofilm formation for a Pseudomonas strain and the mixed cultures from a fine papermachine system. International Biodeterioration and Biodegradation, 2009, 63, 998-1007.	3.9	25

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55	An innovative modeling approach using Qual2K and HEC-RAS integration to assess the impact of tidal effect on River Water quality simulation. Journal of Environmental Management, 2009, 90, 1824-1832.	7.8	93
56	Kinetics of pulp mill effluent treatment by ozone-based processes. Journal of Hazardous Materials, 2009, 168, 875-881.	12.4	27
57	Urban pollutant removal by a constructed riparian wetland before typhoon damage and after reconstruction. Ecological Engineering, 2009, 35, 424-435.	3.6	10
58	Effects of intumescent formulation for acrylic-based coating on flame-retardancy of painted red lauan (Parashorea spp.) thin plywood. Wood Science and Technology, 2008, 42, 593-607.	3.2	30
59	Integrated xylitol production by fermentation of hardwood wastes. Journal of Chemical Technology and Biotechnology, 2008, 83, 534-540.	3.2	34
60	Recovery of chromate from spent plating solutions by two-stage nanofiltration processes. Desalination, 2008, 229, 147-155.	8.2	19
61	Removal of benzene and toluene by carbonized bamboo materials modified with TiO2. Bioresource Technology, 2008, 99, 954-958.	9.6	33
62	Enhanced removal of three phenols by laccase polymerization with MF/UF membranes. Bioresource Technology, 2008, 99, 2293-2298.	9.6	35
63	Artificial stone slab production using waste glass, stone fragments and vacuum vibratory compaction. Cement and Concrete Composites, 2008, 30, 583-587.	10.7	77
64	A Copper Removal Process for Printed Circuit Board Wastewater Sludge Applying Extraction and Cementation with Chelating Agents Recovery. Environmental Engineering Science, 2007, 24, 1006-1016.	1.6	13
65	Paenibacillus campinasensis BL11: A wood material-utilizing bacterial strain isolated from black liquor. Bioresource Technology, 2007, 98, 2727-2733.	9.6	67
66	Characterization of two quaternary ammonium chloride-resistant bacteria isolated from papermaking processing water and the biocidal effect on their biofilm formation. International Biodeterioration and Biodegradation, 2007, 60, 250-257.	3.9	8
67	Leachability of metals from sludge-based artificial lightweight aggregate. Journal of Hazardous Materials, 2007, 146, 98-105.	12.4	45
68	Xylitol conversion by fermentation using five yeast strains and polyelectrolyte-assisted ultrafiltration. Biotechnology Letters, 2007, 30, 81-86.	2.2	9
69	Recovery of copper and chelating agents from sludge extracting solutions. Separation and Purification Technology, 2007, 53, 49-56.	7.9	46
70	IMPACTS OF ARYL-ETHER CLEAVAGES IN ALKALINE DELIGNIFICATION OF SOFTWOOD. Journal of Wood Chemistry and Technology, 2001, 21, 53-66.	1.7	1
71	The â€œShadow Effectâ€•in Colloid Transport and Deposition Dynamics in Granular Porous Media:Â Measurements and Mechanisms. Environmental Science & Technology, 2000, 34, 3681-3689.	10.0	153
72	Relative Insignificance of Mineral Grain Zeta Potential to Colloid Transport in Geochemically Heterogeneous Porous Media. Environmental Science & Technology, 2000, 34, 2143-2148.	10.0	245