Chieh-Chen Huang

List of Publications by Year
in descending order

107	3,374	109137 35	161609 54
papers	citations	h-index	g-index

112	112	112	4463
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Second-generation bioethanol production from phytomass after phytoremediation using recombinant bacteria-yeast co-culture. Fuel, 2022, 326, 124975.	3.4	6
2	Biodegradation of dioxins by Burkholderia cenocepacia strain 869T2: Role of 2-haloacid dehalogenase. Journal of Hazardous Materials, 2021, 401, 123347.	6.5	23
3	Roles of Plant Growth-Promoting Rhizobacteria (PGPR) in Stimulating Salinity Stress Defense in Plants: A Review. International Journal of Molecular Sciences, 2021, 22, 3154.	1.8	101
4	Construction of engineered RuBisCO Kluyveromyces marxianus for a dual microbial bioethanol production system. PLoS ONE, 2021, 16, e0247135.	1.1	10
5	Growth Enhancement Facilitated by Gaseous CO2 through Heterologous Expression of Reductive Tricarboxylic Acid Cycle Genes in Escherichia coli. Fermentation, 2021, 7, 98.	1.4	3
6	Utilization of Monosaccharides by Hungateiclostridium thermocellum ATCC 27405 through Adaptive Evolution. Microorganisms, 2021, 9, 1445.	1.6	1
7	Growth and autolysis of the kefir yeast Kluyveromyces marxianus in lactate culture. Scientific Reports, 2021, 11, 14552.	1.6	5
8	Clostridium thermocellum as a Promising Source of Genetic Material for Designer Cellulosomes: An Overview. Catalysts, 2021, 11, 996.	1.6	5
9	A Plant Endophytic Bacterium, Burkholderia seminalis Strain 869T2, Promotes Plant Growth in Arabidopsis, Pak Choi, Chinese Amaranth, Lettuces, and Other Vegetables. Microorganisms, 2021, 9, 1703.	1.6	20
10	Basic oxygen furnace slag as a support material for the cultivation of indigenous marine microalgae. Bioresource Technology, 2021, 342, 125968.	4.8	3
11	Electroacupuncture at Bilateral ST36 Acupoints: Inducing the Hypoglycemic Effect through Enhancing Insulin Signal Proteins in a Streptozotocin-Induced Rat Model during Isoflurane Anesthesia. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-8.	0.5	3
12	Tryptophan plays an important role in yeastâ€™s tolerance to isobutanol. Biotechnology for Biofuels, 2021, 14, 200.	6.2	3
13	First report of dragon fruit (Hylocereus undatus) stem rot caused by Diaporthe ueckerae in Taiwan. Plant Disease, 2021, , .	0.7	1
14	Differentiation of qacA and qacB using high-resolution melt curve analysis, and both qacA and qacB but not qacC or norA types increase chlorhexidine minimal inhibitory concentrations in Staphylococcus aureus isolates. Journal of Microbiology, Immunology and Infection, 2020, 53, 900-908.	1.5	4
15	Sustainable and eco-friendly strategies for shrimp shell valorization. Environmental Pollution, 2020, 267, 115656.	3.7	70
16	Kluyveromyces marxianus: Current State of Omics Studies, Strain Improvement Strategy and Potential Industrial Implementation. Fermentation, 2020, 6, 124.	1.4	17
17	Potential novel proteomic biomarkers for diagnosis of vertebral osteomyelitis identified using an immunomics protein array technique. Medicine (United States), 2020, 99, e22852.	0.4	1
18	Dynamics of the lung microbiome in intensive care patients with chronic obstructive pulmonary disease and community-acquired pneumonia. Scientific Reports, 2020, 10, 11046.	1.6	11

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19	Manipulating ATP supply improves in situ CO2 recycling by reductive TCA cycle in engineered Escherichia coli. 3 Biotech, 2020, 10, 125.	1.1	8
20	Constructing a yeast to express the largest cellulosome complex on the cell surface. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2385-2394.	3.3	44
21	Exploring Potential Proteomic Biomarkers for Prognosis of Infective Endocarditis through Profiled Autoantibodies by an Immunomics Protein Array Technique. Heart Surgery Forum, 2020, 23, E555-E573.	0.2	4
22	Detailed profiling of carbon fixation of in silico synthetic autotrophy with reductive tricarboxylic acid cycle and Calvin-Benson-Bassham cycle in Esherichia coli using hydrogen as an energy source. Synthetic and Systems Biotechnology, 2019, 4, 165-172.	1.8	4
23	Characterizing an engineered carotenoid-producing yeast as an anti-stress chassis for building cell factories. Microbial Cell Factories, 2019, 18, 155.	1.9	5
24	Identification of A Novel Arsenic Resistance Transposon Nested in A Mercury Resistance Transposon of Bacillus sp. MB24. Microorganisms, 2019, 7, 566.	1.6	3
25	Genetically engineered hydrogenases promote biophotocatalysis-mediated H2 production in the green alga Chlorella sp. DT. International Journal of Hydrogen Energy, 2019, 44, 2533-2545.	3.8	35
26	Constructing a cellulosic yeast host with an efficient cellulase cocktail. Biotechnology and Bioengineering, 2018, 115, 751-761.	1.7	13
27	Clinical features, bacteriology of endotracheal aspirates and treatment outcomes of patients with chronic obstructive pulmonary disease and community-acquired pneumonia in an intensive care unit in Taiwan with an emphasis on eosinophilia versus non-eosinophilia: a retrospective caseâ€“control study. BMJ Open, 2018, 8, e020341.	0.8	7
28	Biomimetic strategy for constructing Clostridium thermocellum cellulosomal operons in Bacillus subtilis. Biotechnology for Biofuels, 2018, 11, 157.	6.2	13
29	Metabolic engineering a yeast to produce astaxanthin. Bioresource Technology, 2017, 245, 899-905.	4.8	56
30	Improved n-butanol production via co-expression of membrane-targeted tilapia metallothionein and the clostridial metabolic pathway in Escherichia coli. BMC Biotechnology, 2017, 17, 36.	1.7	19
31	Deciphering characteristics of the designer cellulosome from Bacillus subtilis WB800N via enzymatic analysis. Biochemical Engineering Journal, 2017, 117, 147-155.	1.8	3
32	A termite symbiotic mushroom maximizing sexual activity at growing tips of vegetative hyphae. , 2017, 58, 39.		5
33	Genomic sequence analysis of a plant-associated Photobacterium halotolerans MELD1: from marine to terrestrial environment?. Standards in Genomic Sciences, 2016, 11, 56.	1.5	4
34	Cancer RNA-Seq Nexus: a database of phenotype-specific transcriptome profiling in cancer cells. Nucleic Acids Research, 2016, 44, D944-D951.	6.5	111
35	CircNet: a database of circular RNAs derived from transcriptome sequencing data. Nucleic Acids Research, 2016, 44, D209-D215.	6.5	304
36	Improving protein production of indigenous microalga Chlorella vulgaris FSPâ€Ł by photobioreactor design and cultivation strategies. Biotechnology Journal, 2015, 10, 905-914.	1.8	33

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37	Infection Control Programs and Antibiotic Control Programs to Limit Transmission of Multi-Drug Resistant Acinetobacter baumannii Infections: Evolution of Old Problems and New Challenges for Institutes. International Journal of Environmental Research and Public Health, 2015, 12, 8871-8882.	1.2	42
38	A Rhizosphere-Associated Symbiont, Photobacterium spp. Strain MELD1, and Its Targeted Synergistic Activity for Phytoprotection against Mercury. PLoS ONE, 2015, 10, e0121178.	1.1	43
39	Genome Sequence of Photobacterium halotolerans MELD1, with Mercury Reductase (merA), Isolated from Phragmites australis. Genome Announcements, 2015, 3, .	0.8	3
40	Draft Genome Sequence of Burkholderia cenocepacia Strain 869T2, a Plant-Beneficial Endophytic Bacterium. Genome Announcements, 2015, 3, .	0.8	18
41	In planta biocontrol of soilborne Fusarium wilt of banana through a plant endophytic bacterium, Burkholderia cenocepacia 869T2. Plant and Soil, 2015, 387, 295-306.	1.8	57
42	Effects of nitrogen source availability and bioreactor operating strategies on lutein production with Scenedesmus obliquus FSP-3. Bioresource Technology, 2015, 184, 131-138.	4.8	50
43	Role of voltage-gated K+ channels in regulating Ca2+ entry in rat cortical astrocytes. Journal of Physiological Sciences, 2015, 65, 171-177.	0.9	12
44	Structural basis of the mercury(II)-mediated conformational switching of the dual-function transcriptional regulator MerR. Nucleic Acids Research, 2015, 43, 7612-7623.	6.5	61
45	Bio-butanol production from glycerol with Clostridium pasteurianum CH4: the effects of butyrate addition and in situ butanol removal via membrane distillation. Biotechnology for Biofuels, 2015, 8, 168.	6.2	37
46	Integrating an algal Î²-carotene hydroxylase gene into a designed carotenoid-biosynthesis pathway increases carotenoid production in yeast. Bioresource Technology, 2015, 184, 2-8.	4.8	50
47	Tracing the emergence of multidrug-resistant Acinetobacter baumannii in a Taiwanese hospital by evaluating the presence of integron gene intI1. Journal of Negative Results in BioMedicine, 2014, 13, 15.	1.4	1
48	Protection of differentiated neuronal NG108-15 cells from P2X7 receptor-mediated toxicity by taurine. Pharmacological Reports, 2014, 66, 576-584.	1.5	7
49	Fixed-bed biosorption of cadmium using immobilized Scenedesmus obliquus CNW-N cells on loofa (Luffa cylindrica) sponge. Bioresource Technology, 2014, 160, 175-181.	4.8	44
50	A thermo- and toxin-tolerant kefir yeast for biorefinery and biofuel production. Applied Energy, 2014, 132, 465-474.	5.1	18
51	Assembling a cellulase cocktail and a cellodextrin transporter into a yeast host for CBP ethanol production. Biotechnology for Biofuels, 2013, 6, 19.	6.2	72
52	Synergistic collaboration of gut symbionts in Odontotermes formosanus for lignocellulosic degradation and bio-hydrogen production. Bioresource Technology, 2013, 145, 337-344.	4.8	28
53	Fermentation approach for enhancing 1-butanol production using engineered butanologenic Escherichia coli. Bioresource Technology, 2013, 145, 204-209.	4.8	32
54	Molecular epidemiological study of clinical Acinetobacter baumannii isolates: phenotype switching of antibiotic resistance. Annals of Clinical Microbiology and Antimicrobials, 2013, 12, 21.	1.7	5

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55	Improvement of n-butanol tolerance in Escherichia coli by membrane-targeted tilapia metallothionein. Biotechnology for Biofuels, 2013, 6, 130.	6.2	24
56	Risk factor analysis for extended-spectrum Î²-lactamase-producing Enterobacter cloacaebloodstream infections in central Taiwan. BMC Infectious Diseases, 2013, 13, 417.	1.3	24
57	Engineering strategies for enhancing the production of eicosapentaenoic acid (EPA) from an isolated microalga Nannochloropsis oceanica CY2. Bioresource Technology, 2013, 147, 160-167.	4.8	75
58	Characterization, extraction and purification of lutein produced by an indigenous microalga Scenedesmus obliquus CNW-N. Biochemical Engineering Journal, 2013, 78, 24-31.	1.8	92
59	Special issue on International Conference on Industrial Bioprocesses, IFIB-2012: October 7â€“10, 2012, Taipei, Taiwan. Bioresource Technology, 2013, 145, 133.	4.8	0
60	Construction of a plantâ€“microbe phytoremediation system: Combination of vetiver grass with a functional endophytic bacterium, Achromobacter xylosoxidans F3B, for aromatic pollutants removal. Bioresource Technology, 2013, 145, 43-47.	4.8	72
61	Knockdown of PsbO leads to induction of HydA and production of photobiological H2 in the green alga Chlorella sp. DT. Bioresource Technology, 2013, 143, 154-162.	4.8	39
62	Two case reports of gastroendoscopy-associatedAcinetobacter baumanniibacteremia. World Journal of Gastroenterology, 2013, 19, 2835.	1.4	4
63	PGASO: A synthetic biology tool for engineering a cellulolytic yeast. Biotechnology for Biofuels, 2012, 5, 53.	6.2	41
64	Enhancement of photoheterotrophic biohydrogen production at elevated temperatures by the expression of a thermophilic clostridial hydrogenase. Applied Microbiology and Biotechnology, 2012, 95, 969-977.	1.7	6
65	Solar-to-bioH2 production enhanced by homologous overexpression of hydrogenase in green alga Chlorella sp. DT. International Journal of Hydrogen Energy, 2012, 37, 17738-17748.	3.8	33
66	Development of cellulosic ethanol production process via co-culturing of artificial cellulosomal Bacillus and kefir yeast. Applied Energy, 2012, 100, 27-32.	5.1	23
67	Microbial community analysis in the termite gut and fungus comb of Odontotermes formosanus: the implication of Bacillus as mutualists. FEMS Microbiology Ecology, 2012, 79, 504-517.	1.3	82
68	Characterization of Gordonia sp. strain CC-NAPH129-6 capable of naphthalene degradation. Microbiological Research, 2012, 167, 395-404.	2.5	27
69	Selection and application of endophytic bacterium Achromobacter xylosoxidans strain F3B for improving phytoremediation of phenolic pollutants. Journal of Hazardous Materials, 2012, 219-220, 43-49.	6.5	78
70	Ca²⁺ store depletion and endoplasmic reticulum stress are involved in P2X7 receptorâ€mediated neurotoxicity in differentiated NG108â€15 cells. Journal of Cellular Biochemistry, 2012, 113, 1377-1385.	1.2	34
71	Novel Nanohybrids of Silver Particles on Clay Platelets for Inhibiting Silver-Resistant Bacteria. PLoS ONE, 2011, 6, e21125.	1.1	61
72	The flexibility of UV-inducible mutation in Deinococcus ficus as evidenced by the existence of the imuBâ€“dnaE2 gene cassette and generation of superior feather degrading bacteria. Microbiological Research, 2011, 167, 40-47.	2.5	20

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73	Establishment of functional rumen bacterial consortia (FRBC) for simultaneous biohydrogen and bioethanol production from lignocellulose. International Journal of Hydrogen Energy, 2011, 36, 12168-12176.	3.8	27
74	Genetic improvement of butanol tolerance inEscherichia coliby cell surface expression of fish metallothionein. Bioengineered Bugs, 2011, 2, 55-57.	2.0	2
75	Mercury resistance and accumulation in Escherichia coli with cell surface expression of fish metallothionein. Applied Microbiology and Biotechnology, 2010, 87, 561-569.	1.7	26
76	Control of ionic selectivity by a pore helix residue in the Kv1.2 channel. Journal of Physiological Sciences, 2010, 60, 441-446.	0.9	4
77	Organomercurials removal by heterogeneous merB genes harboring bacterial strains. Journal of Bioscience and Bioengineering, 2010, 110, 94-98.	1.1	44
78	Establishment of rumen-mimic bacterial consortia: A functional union for bio-hydrogen production from cellulosic bioresource. International Journal of Hydrogen Energy, 2010, 35, 13399-13406.	3.8	28
79	Molecular detection and phylogenetic analysis of the catechol 1,2-dioxygenase gene from Gordonia spp.. Systematic and Applied Microbiology, 2009, 32, 291-300.	1.2	29
80	A novel endophytic bacterium, Achromobacter xylosoxidans, helps plants against pollutant stress and improves phytoremediation. Journal of Bioscience and Bioengineering, 2009, 108, S94.	1.1	14
81	Clostridium strain co-cultures for biohydrogen production enhancement from condensed molasses fermentation solubles. International Journal of Hydrogen Energy, 2009, 34, 7173-7181.	3.8	57
82	Expressing a bacterial mercuric ion binding protein in plant for phytoremediation of heavy metals. Journal of Hazardous Materials, 2009, 161, 920-925.	6.5	78
83	Splicing of a Bacterial Group II Intron from Bacillus megaterium Is Independent of Intron-Encoded Protein. Microbes and Environments, 2009, 24, 28-32.	0.7	2
84	Biosorption of nickel, chromium and zinc by MerP-expressing recombinant Escherichia coli. Journal of Hazardous Materials, 2008, 158, 100-106.	6.5	62
85	Syntrophic co-culture of aerobic Bacillus and anaerobic Clostridium for bio-fuels and bio-hydrogen production. International Journal of Hydrogen Energy, 2008, 33, 5137-5146.	3.8	99
86	Facilities for transcription and mobilization of an exon-less bacterial group II intron nested in transposon TnMERI1. Gene, 2008, 408, 164-171.	1.0	4
87	Interactions between Two MerR Regulators and Three Operator/Promoter Regions in the Mercury Resistance Module ofBacillus megaterium. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2403-2410.	0.6	3
88	Overexpression of a Single Membrane Component from theBacillus merOperon Enhanced Mercury Resistance in anEscherichia coliHost. Bioscience, Biotechnology and Biochemistry, 2007, 71, 1494-1499.	0.6	6
89	Flow-FISH analysis and isolation of clostridial strains in an anaerobic semi-solid bio-hydrogen producing system by hydrogenase gene target. Applied Microbiology and Biotechnology, 2007, 74, 1126-1134.	1.7	44
90	Clinical evaluation of the Chinese herbal medicine formula STA-1 in the treatment of allergic asthma. Phytotherapy Research, 2006, 20, 342-347.	2.8	65

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91	Molecular detection of the clostridia in an anaerobic biohydrogen fermentation system by hydrogenase mRNA-targeted reverse transcription-PCR. Applied Microbiology and Biotechnology, 2006, 70, 598-604.	1.7	59
92	Expression of mercuric reductase from Bacillus megaterium MB1 in eukaryotic microalga Chlorella sp. DT: an approach for mercury phytoremediation. Applied Microbiology and Biotechnology, 2006, 72, 197-205.	1.7	70
93	Inhibition of Mite-Induced Immunoglobulin E Synthesis, Airway Inflammation, and Hyperreactivity by Herbal Medicine STA-1. Immunopharmacology and Immunotoxicology, 2006, 28, 683-695.	1.1	11
94	Predictive biomarkers for drug-resistant Acinetobacter baumannii isolates with bla(TEM-1), AmpC-type bla and integrase 1 genotypes. Journal of Microbiology, Immunology and Infection, 2006, 39, 372-9.	1.5	9
95	Dissemination of TnMERI1-like mercury resistance transposons among Bacillus isolated from worldwide environmental samples. FEMS Microbiology Ecology, 2004, 48, 47-55.	1.3	19
96	Polypeptides for heavy-metal biosorption: capacity and specificity of two heterogeneous MerP proteins. Enzyme and Microbial Technology, 2003, 33, 379-385.	1.6	31
97	Diversity of mercury resistance determinants amongBacillusstrains isolated from sediment of Minamata Bay. FEMS Microbiology Letters, 2003, 223, 73-82.	0.7	50
98	Characterization of two regulatory genes of the mercury resistance determinants from Tn MERI1 by luciferase-based examination. Gene, 2002, 301, 13-20.	1.0	17
99	Study on the Organomercury Detection Method Using a New Organomercury Lyase Gene, merB3, and a Regulation System of the Gene Expression.. Journal of Japan Society on Water Environment, 2001, 24, 219-224.	0.1	0
100	Structure analysis of a class II transposon encoding the mercury resistance of the Gram-positive bacterium Bacillus megaterium MB1, a strain isolated from Minamata Bay, Japan. Gene, 1999, 234, 361-369.	1.0	69
101	Identification of three merB genes and characterization of a broad-spectrum mercury resistance module encoded by a class II transposon of Bacillus megaterium strain MB1. Gene, 1999, 239, 361-366.	1.0	50
102	Molecular Analysis of merA Gene Possessed by Anaerobic Mercury-Resistant Bacteria Isolated from Sediment of Minamata Bay.. Microbes and Environments, 1999, 14, 77-84.	0.7	7
103	lpa-14, a gene, involved in the production of lipopeptide antibiotics, regulates the production of a siderophore, 2,3-dihydroxybenzoylglycine, in Bacillus subtilis RB14. Journal of Bioscience and Bioengineering, 1998, 86, 605-607.	0.9	2
104	A Plasmid Isolated from Phytopathogenic Onion Yellows Phytoplasma and Its Heterogeneity in the Pathogenic Phytoplasma Mutant. Molecular Plant-Microbe Interactions, 1998, 11, 1031-1037.	1.4	38
105	Nucleotide sequence and characteristics of the gene, lpa-14, responsible for biosynthesis of the lipopeptide antibiotics iturin A and surfactin from Bacillus subtilis RB14. Journal of Bioscience and Bioengineering, 1993, 76, 445-450.	0.9	53
106	Plant-Microbe Ecology: Interactions of Plants and Symbiotic Microbial Communities. , 0, , .		15
107	Complete Genome Sequence of Curtobacterium sp. C1, a Beneficial Endophyte with the Potential for In-Plant Salinity Stress Alleviation. Molecular Plant-Microbe Interactions, 0, , .	1.4	3