# Yu-Hong Wei

List of Publications by Year
in descending order

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| 56 | 2,559 | 172457 | 189892 |
|---|---|---|---|
| papers | citations | 29 h-index | 50 g-index |

| 57 | 57 | 57 | 2811 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rhamnolipid production by indigenous Pseudomonas aeruginosa J4 originating from petrochemical wastewater. Biochemical Engineering Journal, 2005, 27, 146-154. | 3.6 | 238 |
| 2 | Applications of a lipopeptide biosurfactant, surfactin, produced by microorganisms. Biochemical Engineering Journal, 2015, 103, 158-169. | 3.6 | 189 |
| 3 | Enhanced Production of Surfactin from Bacillussubtilis by Addition of Solid Carriers. Biotechnology Progress, 2008, 21, 1329-1334. | 2.6 | 147 |
| 4 | Recent advances on the sustainable approaches for conversion and reutilization of food wastes to valuable bioproducts. Bioresource Technology, 2020, 302, 122889. | 9.6 | 144 |
| 5 | Bioreactor design for enhanced carrier-assisted surfactin production with Bacillus subtilis. Process Biochemistry, 2006, 41, 1799-1805. | 3.7 | 119 |
| 6 | Using Taguchi experimental design methods to optimize trace element composition for enhanced surfactin production by Bacillus subtilis ATCC 21332. Process Biochemistry, 2007, 42, 40-45. | 3.7 | 112 |
| 7 | Enhancement of surfactin production in iron-enriched media by bacillus subtilis ATCC 21332. Enzyme and Microbial Technology, 1998, 22, 724-728. | 3.2 | 104 |
| 8 | Screening and Evaluation of Polyhydroxybutyrate-Producing Strains from Indigenous Isolate Cupriavidus taiwanensis Strains. International Journal of Molecular Sciences, 2011, 12, 252-265. | 4.1 | 98 |
| 9 | Enhanced production of prodigiosin-like pigment from Serratia marcescens SMÎ”R by medium improvement and oil-supplementation strategies. Journal of Bioscience and Bioengineering, 2005, 99, 616-622. | 2.2 | 93 |
| 10 | Production of poly-Î²-hydroxybutyrate (PHB) by Vibrio spp. isolated from marine environment. Journal of Biotechnology, 2007, 132, 259-263. | 3.8 | 88 |
| 11 | Development of natural anti-tumor drugs by microorganisms. Journal of Bioscience and Bioengineering, 2011, 111, 501-511. | 2.2 | 83 |
| 12 | Mn2 + improves surfactin production by Bacillus subtilis. Biotechnology Letters, 2002, 24, 479-482. | 2.2 | 75 |
| 13 | Optimizing Iron Supplement Strategies for Enhanced Surfactin Production with Bacillus subtilis. Biotechnology Progress, 2004, 20, 979-983. | 2.6 | 69 |
| 14 | Identification of induced acidification in iron-enriched cultures of Bacillus subtilis during biosurfactant fermentation. Journal of Bioscience and Bioengineering, 2003, 96, 174-178. | 2.2 | 66 |
| 15 | Solubility of polyhydroxyalkanoates by experiment and thermodynamic correlations. AICHE Journal, 2007, 53, 2704-2714. | 3.6 | 62 |
| 16 | Enhanced undecylprodigiosin production from Serratia marcescens SS-1 by medium formulation and amino-acid supplementation. Journal of Bioscience and Bioengineering, 2005, 100, 466-471. | 2.2 | 55 |
| 17 | Enhancing production of prodigiosin from Serratia marcescens C3 by statistical experimental design and porous carrier addition strategy. Biochemical Engineering Journal, 2013, 78, 93-100. | 3.6 | 52 |
| 18 | Production and Characterization of Fengycin by Indigenous Bacillus subtilis F29-3 Originating from a Potato Farm. International Journal of Molecular Sciences, 2010, 11, 4526-4538. | 4.1 | 51 |

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|---|---|---|---|
| 19 | Evaluating osteochondral defect repair potential of autologous rabbit bone marrow cells on type II collagen scaffold. Cytotechnology, 2011, 63, 13-23. | 1.6 | 50 |
| 20 | Undecylprodigiosin selectively induces apoptosis in human breast carcinoma cells independent of p53. Toxicology and Applied Pharmacology, 2007, 225, 318-328. | 2.8 | 42 |
| 21 | Enhanced di-rhamnolipid production with an indigenous isolate Pseudomonas aeruginosa J16. Process Biochemistry, 2008, 43, 769-774. | 3.7 | 39 |
| 22 | Brachybacterium phenoliresistens sp. nov., isolated from oil-contaminated coastal sand. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2674-2679. | 1.7 | 38 |
| 23 | Effect of chondroitin sulphate C on thein vitroandin vivochondrogenesis of mesenchymal stem cells in crosslinked type II collagen scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 665-672. | 2.7 | 38 |
| 24 | Characterization of floating activity of indigenous diesel-assimilating bacterial isolates. Journal of Bioscience and Bioengineering, 2005, 99, 466-472. | 2.2 | 37 |
| 25 | Compare the effects of chondrogenesis by culture of human mesenchymal stem cells with various type of the chondroitin sulfate C. Journal of Bioscience and Bioengineering, 2011, 111, 226-231. | 2.2 | 36 |
| 26 | Biodegradable and Biocompatible Biomaterial, Polyhydroxybutyrate, Produced by an Indigenous Vibrio sp. BM-1 Isolated from Marine Environment. Marine Drugs, 2011, 9, 615-624. | 4.6 | 34 |
| 27 | Production and characterization of ectoine using a moderately halophilic strain Halomonas salina BCRC17875. Journal of Bioscience and Bioengineering, 2018, 125, 578-584. | 2.2 | 34 |
| 28 | Biosurfactant production by Serratia marcescens SS-1 and its isogenic strain SMÎ”R defective in SpnR, a quorum-sensing LuxR family protein. Biotechnology Letters, 2004, 26, 799-802. | 2.2 | 33 |
| 29 | Enhancing production of lutein by a mixotrophic cultivation system using microalga Scenedesmus obliquus CWL-1. Bioresource Technology, 2019, 291, 121891. | 9.6 | 32 |
| 30 | Inactivation of dhaD and dhaK abolishes by-product accumulation during 1,3-propanediol production in Klebsiella pneumoniae. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 707-716. | 3.0 | 31 |
| 31 | Production and characterization of ectoine by Marinococcus sp. ECT1 isolated from a high-salinity environment. Journal of Bioscience and Bioengineering, 2011, 111, 336-342. | 2.2 | 25 |
| 32 | Producing bioethanol from pretreated-wood dust by simultaneous saccharification and co-fermentation process. Journal of the Taiwan Institute of Chemical Engineers, 2017, 79, 43-48. | 5.3 | 24 |
| 33 | Feasibility of enhancing production of 5-hydroxymethylfurfural using deep eutectic solvents as reaction media in a high-pressure reactor. Biochemical Engineering Journal, 2020, 154, 107440. | 3.6 | 19 |
| 34 | Optimizing acidic methanolysis of poly(3â€hydroxyalkanoates) in gas chromatography analysis. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 487-494. | 1.5 | 18 |
| 35 | Surface display of synthetic phytochelatins on Saccharomyces cerevisiae for enhanced ethanol production in heavy metal-contaminated substrates. Bioresource Technology, 2017, 245, 1455-1460. | 9.6 | 16 |
| 36 | Production of bioethanol from Napier grass via simultaneous saccharification and co-fermentation in a modified bioreactor. Journal of Bioscience and Bioengineering, 2017, 124, 184-188. | 2.2 | 16 |

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| 37 | The Role of Yeast-Surface-Display Techniques in Creating Biocatalysts for Consolidated BioProcessing. Catalysts, 2018, 8, 94. | 3.5 | 16 |
| 38 | Feasibility study on polyhydroxybutyrate production of dye-decolorizing bacteria using dye and amine-bearing cultures. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 241-245. | 5.3 | 12 |
| 39 | Producing bioethanol from cellulosic hydrolyzate via co-immobilized cultivation strategy. Journal of Bioscience and Bioengineering, 2012, 114, 198-203. | 2.2 | 12 |
| 40 | Fermentation strategy for the production of poly(3-hydroxyhexanoate) by Aeromonas sp. KC014. Korean Journal of Chemical Engineering, 2008, 25, 1422-1426. | 2.7 | 11 |
| 41 | Feasibility study of polyhydroxyalkanote production for materials recycling using naturally occurring pollutant degraders. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 455-458. | 5.3 | 11 |
| 42 | Exploring useful fermentation strategies for the production of hydroxyectoine with a halophilic strain, Halomonas salina BCRC 17875. Journal of Bioscience and Bioengineering, 2019, 128, 332-336. | 2.2 | 11 |
| 43 | Exploring Dual-Substrate Cultivation Strategy of 1,3-Propanediol Production Using Klebsiella pneumoniae. Applied Biochemistry and Biotechnology, 2020, 191, 346-359. | 2.9 | 10 |
| 44 | Exploring Kinetics of Phenol Biodegradation by Cupriavidus taiwanesis 187. International Journal of Molecular Sciences, 2010, 11, 5065-5076. | 4.1 | 9 |
| 45 | A Novel Biodegradable and Thermosensitive Poly(Ester-Amide) Hydrogel for Cartilage Tissue Engineering. BioMed Research International, 2018, 2018, 1-12. | 1.9 | 9 |
| 46 | Ectoine production with indigenous Marinococcus sp. MAR2 isolated from the marine environment. Preparative Biochemistry and Biotechnology, 2020, 50, 74-81. | 1.9 | 9 |
| 47 | High throughput study of separation of poly(3-hydroxybutyrate) from recombinant Escherichia coli XL1 blue. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 240-246. | 5.3 | 7 |
| 48 | Adsorption and Desorption Behavior of Ectoine Using DowexÂ® HCR-S Ion-Exchange Resin. Processes, 2021, 9, 2068. | 2.8 | 7 |
| 49 | Construction and co-cultivation of two mutant strains harboring key precursor genes to produce prodigiosin. Journal of Bioscience and Bioengineering, 2018, 126, 783-789. | 2.2 | 6 |
| 50 | A protein containing the DUF1471 domain regulates biofilm formation and capsule production in Klebsiella pneumoniae. Journal of Microbiology, Immunology and Infection, 2022, 55, 1246-1254. | 3.1 | 6 |
| 51 | A process for simultaneously achieving phenol biodegradation and polyhydroxybutyrate accumulation using Cupriavidus taiwanesis 187. Journal of Polymer Research, 2018, 25, 1. | 2.4 | 5 |
| 52 | BIOLOGICAL EFFECTS OF OLIGOSACCHARIDE CHONDROITIN SULFATE C ON HUMAN ARTICULAR CHONDROCYTES. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 245-252. | 0.6 | 3 |
| 53 | Using the Juice of Water Lettuce (Pistia stratiotes) as Culture Medium to Increase the Cell Density and the Production of Microbial Lipid. Biotechnology and Bioprocess Engineering, 2019, 24, 395-400. | 2.6 | 3 |
| 54 | Feasibility study on production of biodegradable polymer and wastewater treatment using Aeromonas strains for materials recycling. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 648-652. | 5.3 | 2 |

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| 55 | Biodegradation of tetramethylammonium chloride wastewater and inorganic nitrogen removal by a mixed culture. Journal of Environmental Chemical Engineering, 2022, 10, 106931. | 6.7 | 2 |
| 56 | Enhanced production and characterization of coenzyme Q10 from Rhodobacter sphaeroides using a potential fermentation strategy. Journal of the Taiwan Institute of Chemical Engineers, 2022, , 104201. | 5.3 | 0 |