Tian-Shun Song

List of Publications by Year
in descending order

53 papers	1,654 citations	257450 24 h-index	302126 39 g-index
54 all docs	54 docs citations	54 times ranked	1895 citing authors

#	Article	IF	Citations
1	Phase Separation of Disease-Associated SHP2 Mutants Underlies MAPK Hyperactivation. Cell, 2020, 183, 490-502.e18.	28.9	123
2	Effect of acclimatization on hexavalent chromium reduction in a biocathode microbial fuel cell. Bioresource Technology, 2015, 180, 185-191.	9.6	96
3	Graphene/biofilm composites for enhancement of hexavalent chromium reduction and electricity production in a biocathode microbial fuel cell. Journal of Hazardous Materials, 2016, 317, 73-80.	12.4	91
4	Allosteric Inhibitors of SHP2 with Therapeutic Potential for Cancer Treatment. Journal of Medicinal Chemistry, 2017, 60, 10205-10219.	6.4	85
5	High efficiency microbial electrosynthesis of acetate from carbon dioxide by a self-assembled electroactive biofilm. Bioresource Technology, 2017, 243, 573-582.	9.6	70
6	Fluidized granular activated carbon electrode for efficient microbial electrosynthesis of acetate from carbon dioxide. Bioresource Technology, 2018, 269, 203-209.	9.6	66
7	Effect of different acclimation methods on the performance of microbial fuel cells using phenol as substrate. Bioprocess and Biosystems Engineering, 2014, 37, 133-138.	3.4	56
8	Effect of graphite felt and activated carbon fiber felt on performance of freshwater sediment microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2012, 87, 1436-1440.	3.2	54
9	High efficiency microbial electrosynthesis of acetate from carbon dioxide using a novel grapheneâ€“nickel foam as cathode. Journal of Chemical Technology and Biotechnology, 2018, 93, 457-466.	3.2	54
10	Enhancement of n-butanol production by in situ butanol removal using permeatingâ€“heatingâ€“gas stripping in acetoneâ€“butanolâ€–ethanol fermentation. Bioresource Technology, 2014, 164, 276-284.	9.6	53
11	Effects of sediment pretreatment on the performance of sediment microbial fuel cells. Bioresource Technology, 2011, 102, 10465-10470.	9.6	50
12	Mo2C-induced hydrogen production enhances microbial electrosynthesis of acetate from CO2 reduction. Biotechnology for Biofuels, 2019, 12, 71.	6.2	48
13	Construction and operation of freshwater sediment microbial fuel cell for electricity generation. Bioprocess and Biosystems Engineering, 2011, 34, 621-627.	3.4	47
14	Effect of zeolite-coated anode on the performance of microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2015, 90, 87-92.	3.2	44
15	A mild and highly efficient laccase-mediator system for aerobic oxidation of alcohols. Green Chemistry, 2014, 16, 1131-1138.	9.0	39
16	Simultaneous degradation of tetracycline by a microbial fuel cell and its toxicity evaluation by zebrafish. RSC Advances, 2017, 7, 44226-44233.	3.6	39
17	Simultaneous production of butanol and acetoin by metabolically engineered Clostridium acetobutylicum. Metabolic Engineering, 2015, 27, 107-114.	7.0	38
18	Degradation characterization and pathway analysis of chlortetracycline and oxytetracycline in a microbial fuel cell. RSC Advances, 2018, 8, 28613-28624.	3.6	35

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19	Various voltage productions by microbial fuel cells with sedimentary inocula taken from different sites in one freshwater lake. Bioresource Technology, 2012, 108, 68-75.	9.6	33
20	Removal of organic matter in freshwater sediment by microbial fuel cells at various external resistances. Journal of Chemical Technology and Biotechnology, 2010, 85, 1489-1493.	3.2	32
21	Effect of carbon nanotube modified cathode by electrophoretic deposition method on the performance of sediment microbial fuel cells. Biotechnology Letters, 2015, 37, 101-107.	2.2	28
22	CuO/g-C3N4 heterojunction photocathode enhances the microbial electrosynthesis of acetate through CO2 reduction. Science of the Total Environment, 2022, 818, 151820.	8.0	28
23	Effects of the presence of sheet iron in freshwater sediment on the performance of a sediment microbial fuel cell. International Journal of Hydrogen Energy, 2015, 40, 16566-16571.	7.1	26
24	In situ electrokinetic remediation of toxic metalâ€contaminated soil driven by solid phase microbial fuel cells with a wheat straw addition. Journal of Chemical Technology and Biotechnology, 2018, 93, 2860-2867.	3.2	26
25	Modification of carbon felt anode with graphene/Fe2O3 composite for enhancing the performance of microbial fuel cell. Bioprocess and Biosystems Engineering, 2020, 43, 373-381.	3.4	25
26	Enhancing Microbial Electrosynthesis of Acetate and Butyrate from CO₂ Reduction Involving Engineered Clostridium ljungdahlii with a Nickel-Phosphide-Modified Electrode. Energy & Fuels, 2020, 34, 8666-8675.	5.1	25
27	Modeling tumor development and metastasis using paired organoids derived from patients with colorectal cancer liver metastases. Journal of Hematology and Oncology, 2020, 13, 119.	17.0	25
28	Perovskite-Based Multifunctional Cathode with Simultaneous Supplementation of Substrates and Electrons for Enhanced Microbial Electrosynthesis of Organics. ACS Applied Materials & Interfaces, 2020, 12, 30449-30456.	8.0	24
29	Pharmacological inhibition of SRC-1 phase separation suppresses YAP oncogenic transcription activity. Cell Research, 2021, 31, 1028-1031.	12.0	22
30	Artificial Electron Mediator with Nanocubic Architecture Highly Promotes Microbial Electrosynthesis from Carbon Dioxide. ACS Sustainable Chemistry and Engineering, 2020, 8, 6777-6785.	6.7	20
31	In Situ Growth of Mo₂C on Cathodes for Efficient Microbial Electrosynthesis of Acetate from CO₂. Energy & Fuels, 2020, 34, 11299-11306.	5.1	19
32	Fe₃O₄/granular activated carbon as an efficient three-dimensional electrode to enhance the microbial electrosynthesis of acetate from CO₂. RSC Advances, 2019, 9, 34095-34101.	3.6	18
33	A novel partially open state of SHP2 points to a â€œmultiple gearâ€•regulation mechanism. Journal of Biological Chemistry, 2021, 296, 100538.	3.4	18
34	Mo2C/N-doped 3D loofah sponge cathode promotes microbial electrosynthesis from carbon dioxide. International Journal of Hydrogen Energy, 2021, 46, 20325-20337.	7.1	17
35	Characterization of a novel N-acetylneuraminic acid lyase favoring industrial N-acetylneuraminic acid synthesis process. Scientific Reports, 2015, 5, 9341.	3.3	16
36	Electrophoretic deposition of carbon nanotube on reticulated vitreous carbon for hexavalent chromium removal in a biocathode microbial fuel cell. Royal Society Open Science, 2017, 4, 170798.	2.4	16

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37	Electrophoretic Deposition of Multi-walled Carbon Nanotube on a Stainless Steel Electrode for use in Sediment Microbial Fuel Cells. Applied Biochemistry and Biotechnology, 2013, 170, 1241-1250.	2.9	14
38	Experimental Determination of Metastable Zone Width, Induction Period, and Primary Nucleation Kinetics of Cytidine 5â€²-Monophosphate Disodium Salt in an Ethanolâ€“Aqueous Mixture. Journal of Chemical & Engineering Data, 2013, 58, 1244-1248.	1.9	14
39	Enhancement of cellulose degradation in freshwater sediments by a sediment microbial fuel cell. Biotechnology Letters, 2016, 38, 271-277.	2.2	14
40	Green synthesis of reduced graphene oxide by a GRAS strain Bacillus subtilis 168 with high biocompatibility to zebrafish embryos. RSC Advances, 2015, 5, 60024-60032.	3.6	13
41	Effect of 3D Carbon Electrodes with Different Pores on Solid-Phase Microbial Fuel Cell. Energy & Fuels, 2020, 34, 16765-16771.	5.1	12
42	Bio-Reduction of Graphene Oxide Using Sulfate-Reducing Bacteria and Its Implication on Anti-Biocorrosion. Journal of Nanoscience and Nanotechnology, 2018, 18, 5770-5776.	0.9	11
43	Engineered cytidine triphosphate synthetase with reduced product inhibition. Protein Engineering, Design and Selection, 2014, 27, 225-233.	2.1	10
44	Bioplastic Production from the Microbial Electrosynthesis of Acetate through CO₂ Reduction. Energy & Fuels, 2021, 35, 15978-15986.	5.1	10
45	Complete genome sequence of a malodorant-producing acetogen, Clostridium scatologenes ATCC 25775T. Journal of Biotechnology, 2015, 212, 19-20.	3.8	8
46	The synthesis of UDP-selective fluorescent probe and its imaging application in living cells. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 262-265.	2.2	8
47	Mechanism of urea decomposition catalyzed by Sporosarcina pasteurii urease based on quantum chemical calculations. Molecular Simulation, 2021, 47, 1335-1348.	2.0	7
48	Efficient microbial electrosynthesis through the barrier and shearing effect of fillers. International Journal of Hydrogen Energy, 2021, 46, 36103-36112.	7.1	7
49	Production of cyclic adenosine-3â€²,5â€²-monophosphate by whole cell catalysis using recombinant Escherichia coli overexpressing adenylate cyclase. Korean Journal of Chemical Engineering, 2013, 30, 913-917.	2.7	5
50	Simultaneous carbon and nitrogen removal using a litre-scale upflow microbial fuel cell. Water Science and Technology, 2014, 69, 293-297.	2.5	5
51	Transformation mechanism of carbamic acid elimination and hydrolysis reaction in microbial self-healing concrete. Molecular Simulation, 2022, 48, 719-735.	2.0	5
52	Dietary amylose/amylopectin ratio influences the expression of amino acid transporters and enzyme activities for amino acid metabolism in the gastrointestinal tract of goats. British Journal of Nutrition, 2021, , 1-31.	2.3	2
53	Removal of petroleum hydrocarbon-contaminated soil using a solid-phase microbial fuel cell with a 3D corn stem carbon electrode modified with carbon nanotubes. Bioprocess and Biosystems Engineering, 0, , .	3.4	1