

# Tian-Shun Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/631327/publications.pdf>

Version: 2024-02-01

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	CuO/g-C <sub>3</sub> N <sub>4</sub> heterojunction photocathode enhances the microbial electrosynthesis of acetate through CO <sub>2</sub> reduction. <i>Science of the Total Environment</i> , 2022, 818, 151820.	8.0	28
2	Transformation mechanism of carbamic acid elimination and hydrolysis reaction in microbial self-healing concrete. <i>Molecular Simulation</i> , 2022, 48, 719-735.	2.0	5
3	A novel partially open state of SHP2 points to a "multiple gear" regulation mechanism. <i>Journal of Biological Chemistry</i> , 2021, 296, 100538.	3.4	18
4	Pharmacological inhibition of SRC-1 phase separation suppresses YAP oncogenic transcription activity. <i>Cell Research</i> , 2021, 31, 1028-1031.	12.0	22
5	Dietary amylose/amylopectin ratio influences the expression of amino acid transporters and enzyme activities for amino acid metabolism in the gastrointestinal tract of goats. <i>British Journal of Nutrition</i> , 2021, , 1-31.	2.3	2
6	Mo <sub>2</sub> C/N-doped 3D loofah sponge cathode promotes microbial electrosynthesis from carbon dioxide. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20325-20337.	7.1	17
7	Mechanism of urea decomposition catalyzed by <i>Sporosarcina pasteurii</i> urease based on quantum chemical calculations. <i>Molecular Simulation</i> , 2021, 47, 1335-1348.	2.0	7
8	Bioplastic Production from the Microbial Electrosynthesis of Acetate through CO <sub>2</sub> Reduction. <i>Energy &amp; Fuels</i> , 2021, 35, 15978-15986.	5.1	10
9	Efficient microbial electrosynthesis through the barrier and shearing effect of fillers. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36103-36112.	7.1	7
10	Modification of carbon felt anode with graphene/Fe <sub>2</sub> O <sub>3</sub> composite for enhancing the performance of microbial fuel cell. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 373-381.	3.4	25
11	Enhancing Microbial Electrosynthesis of Acetate and Butyrate from CO <sub>2</sub> Reduction Involving Engineered <i>Clostridium ljungdahlii</i> with a Nickel-Phosphide-Modified Electrode. <i>Energy &amp; Fuels</i> , 2020, 34, 8666-8675.	5.1	25
12	Effect of 3D Carbon Electrodes with Different Pores on Solid-Phase Microbial Fuel Cell. <i>Energy &amp; Fuels</i> , 2020, 34, 16765-16771.	5.1	12
13	Modeling tumor development and metastasis using paired organoids derived from patients with colorectal cancer liver metastases. <i>Journal of Hematology and Oncology</i> , 2020, 13, 119.	17.0	25
14	<i>In Situ</i> Growth of Mo <sub>2</sub> C on Cathodes for Efficient Microbial Electrosynthesis of Acetate from CO <sub>2</sub> . <i>Energy &amp; Fuels</i> , 2020, 34, 11299-11306.	5.1	19
15	Perovskite-Based Multifunctional Cathode with Simultaneous Supplementation of Substrates and Electrons for Enhanced Microbial Electrosynthesis of Organics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30449-30456.	8.0	24
16	Artificial Electron Mediator with Nanocubic Architecture Highly Promotes Microbial Electrosynthesis from Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6777-6785.	6.7	20
17	Phase Separation of Disease-Associated SHP2 Mutants Underlies MAPK Hyperactivation. <i>Cell</i> , 2020, 183, 490-502.e18.	28.9	123
18	Mo <sub>2</sub> C-induced hydrogen production enhances microbial electrosynthesis of acetate from CO <sub>2</sub> reduction. <i>Biotechnology for Biofuels</i> , 2019, 12, 71.	6.2	48

#	ARTICLE	IF	CITATIONS
19	Fe <sub>3</sub> O <sub>4</sub> /granular activated carbon as an efficient three-dimensional electrode to enhance the microbial electrosynthesis of acetate from CO <sub>2</sub> . RSC Advances, 2019, 9, 34095-34101.	3.6	18
20	<i>In situ</i> electrokinetic remediation of toxic metal-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
21	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
22	High efficiency microbial electrosynthesis of acetate from carbon dioxide using a novel graphene-nickel foam as cathode. Journal of Chemical Technology and Biotechnology, 2018, 93, 457-466.	3.2	54
23	Degradation characterization and pathway analysis of chlortetracycline and oxytetracycline in a microbial fuel cell. RSC Advances, 2018, 8, 28613-28624.	3.6	35
24	Fluidized granular activated carbon electrode for efficient microbial electrosynthesis of acetate from carbon dioxide. Bioresource Technology, 2018, 269, 203-209.	9.6	66
25	Simultaneous degradation of tetracycline by a microbial fuel cell and its toxicity evaluation by zebrafish. RSC Advances, 2017, 7, 44226-44233.	3.6	39
26	Allosteric Inhibitors of SHP2 with Therapeutic Potential for Cancer Treatment. Journal of Medicinal Chemistry, 2017, 60, 10205-10219.	6.4	85
27	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
28	High efficiency microbial electrosynthesis of acetate from carbon dioxide by a self-assembled electroactive biofilm. Bioresource Technology, 2017, 243, 573-582.	9.6	70
29	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
30	Enhancement of cellulose degradation in freshwater sediments by a sediment microbial fuel cell. Biotechnology Letters, 2016, 38, 271-277.	2.2	14
31	Characterization of a novel N-acetylneuraminic acid lyase favoring industrial N-acetylneuraminic acid synthesis process. Scientific Reports, 2015, 5, 9341.	3.3	16
32	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
33	Effect of acclimatization on hexavalent chromium reduction in a biocathode microbial fuel cell. Bioresource Technology, 2015, 180, 185-191.	9.6	96
34	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
35	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
36	Complete genome sequence of a malodorous-producing acetogen, Clostridium scatologenes ATCC 25775T. Journal of Biotechnology, 2015, 212, 19-20.	3.8	8

#	ARTICLE	IF	CITATIONS
37	The synthesis of UDP-selective fluorescent probe and its imaging application in living cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 262-265.	2.2	8
38	Simultaneous production of butanol and acetoin by metabolically engineered <i>Clostridium acetobutylicum</i> . <i>Metabolic Engineering</i> , 2015, 27, 107-114.	7.0	38
39	Effect of zeolite-coated anode on the performance of microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 87-92.	3.2	44
40	Effect of different acclimation methods on the performance of microbial fuel cells using phenol as substrate. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 133-138.	3.4	56
41	Simultaneous carbon and nitrogen removal using a litre-scale upflow microbial fuel cell. <i>Water Science and Technology</i> , 2014, 69, 293-297.	2.5	5
42	Engineered cytidine triphosphate synthetase with reduced product inhibition. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 225-233.	2.1	10
43	A mild and highly efficient laccase-mediator system for aerobic oxidation of alcohols. <i>Green Chemistry</i> , 2014, 16, 1131-1138.	9.0	39
44	Enhancement of n-butanol production by in situ butanol removal using permeating "heating" gas stripping in acetone "butanol" ethanol fermentation. <i>Bioresource Technology</i> , 2014, 164, 276-284.	9.6	53
45	Electrophoretic Deposition of Multi-walled Carbon Nanotube on a Stainless Steel Electrode for use in Sediment Microbial Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1241-1250.	2.9	14
46	Production of cyclic adenosine-3',5'-monophosphate by whole cell catalysis using recombinant <i>Escherichia coli</i> overexpressing adenylate cyclase. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 913-917.	2.7	5
47	Experimental Determination of Metastable Zone Width, Induction Period, and Primary Nucleation Kinetics of Cytidine 5'-Monophosphate Disodium Salt in an Ethanol "Aqueous Mixture. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1244-1248.	1.9	14
48	Various voltage productions by microbial fuel cells with sedimentary inocula taken from different sites in one freshwater lake. <i>Bioresource Technology</i> , 2012, 108, 68-75.	9.6	33
49	Effect of graphite felt and activated carbon fiber felt on performance of freshwater sediment microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1436-1440.	3.2	54
50	Effects of sediment pretreatment on the performance of sediment microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 10465-10470.	9.6	50
51	Construction and operation of freshwater sediment microbial fuel cell for electricity generation. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 621-627.	3.4	47
52	Removal of organic matter in freshwater sediment by microbial fuel cells at various external resistances. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1489-1493.	3.2	32
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. <i>Bioprocess and Biosystems Engineering</i> , 0, , .	3.4	1