

Biswarup Sen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5608065/publications.pdf>

Version: 2024-02-01

68
papers

2,706
citations

147566

31
h-index

189595

50
g-index

71
all docs

71
docs citations

71
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermentative hydrogen production from wastewaters: A review and prognosis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15632-15642.	3.8	259
2	Recent trends in nanomaterials applications in environmental monitoring and remediation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18333-18344.	2.7	126
3	Thermophilic dark fermentation of untreated rice straw using mixed cultures for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15540-15546.	3.8	114
4	State of the art and future concept of food waste fermentation to bioenergy. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 547-557.	8.2	110
5	Biohydrogen and biomethane from water hyacinth (<i>Eichhornia crassipes</i>) fermentation: Effects of substrate concentration and incubation temperature. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 14195-14203.	3.8	105
6	Research and management of plastic pollution in coastal environments of China. <i>Environmental Pollution</i> , 2019, 248, 898-905.	3.7	104
7	Do earthworms affect dynamics of functional response and genetic structure of microbial community in a lab-scale composting system?. <i>Bioresource Technology</i> , 2009, 100, 804-811.	4.8	95
8	Reactive oxygen species and their applications toward enhanced lipid accumulation in oleaginous microorganisms. <i>Bioresource Technology</i> , 2020, 307, 123234.	4.8	91
9	High-rate fermentative hydrogen production from beverage wastewater. <i>Applied Energy</i> , 2015, 147, 1-9.	5.1	89
10	Chemolytic and solid-state spectroscopic evaluation of organic matter transformation during vermicomposting of sugar industry wastes. <i>Bioresource Technology</i> , 2007, 98, 1680-1683.	4.8	84
11	Food Waste to Bioenergy via Anaerobic Processes. <i>Energy Procedia</i> , 2014, 61, 307-312.	1.8	75
12	Overcoming propionic acid inhibition of hydrogen fermentation by temperature shift strategy. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19232-19241.	3.8	75
13	Batch fermentative hydrogen production by enriched mixed culture: Combination strategy and their microbial composition. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 222-228.	1.1	73
14	Pretreatment conditions of rice straw for simultaneous hydrogen and ethanol fermentation by mixed culture. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4421-4428.	3.8	66
15	Pretreatment and hydrolysis methods for recovery of fermentable sugars from de-oiled <i>Jatropha</i> waste. <i>Bioresource Technology</i> , 2013, 145, 275-279.	4.8	61
16	Alleviation of reactive oxygen species enhances PUFA accumulation in <i>Schizochytrium</i> sp. through regulating genes involved in lipid metabolism. <i>Metabolic Engineering Communications</i> , 2018, 6, 39-48.	1.9	57
17	Co-fermentation of water hyacinth and beverage wastewater in powder and pellet form for hydrogen production. <i>Bioresource Technology</i> , 2013, 135, 610-615.	4.8	54
18	Simultaneous hydrogen and ethanol production from sweet potato via dark fermentation. <i>Journal of Cleaner Production</i> , 2012, 27, 155-164.	4.6	47

#	ARTICLE	IF	CITATIONS
19	Direct fermentation of sweet potato to produce maximal hydrogen and ethanol. <i>Applied Energy</i> , 2012, 100, 10-18.	5.1	46
20	Mesophilic fermentative hydrogen production from sago starch-processing wastewater using enriched mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15588-15597.	3.8	44
21	Fermentative biohydrogen production from starch-containing textile wastewater. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2050-2057.	3.8	42
22	High rate hydrogen fermentation of cello-lignin fraction in de-oiled jatropha waste using hybrid immobilized cell system. <i>Fuel</i> , 2016, 182, 131-140.	3.4	40
23	Mesophilic continuous fermentative hydrogen production from acid pretreated de-oiled jatropha waste hydrolysate using immobilized microorganisms. <i>Bioresource Technology</i> , 2017, 240, 137-143.	4.8	40
24	Improved production of docosahexaenoic acid in batch fermentation by newly-isolated strains of <i>Schizochytrium</i> sp. and <i>Thraustochytriidae</i> sp. through bioprocess optimization. <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 121-129.	1.8	39
25	Enhanced saturated fatty acids accumulation in cultures of newly-isolated strains of <i>Schizochytrium</i> sp. and <i>Thraustochytriidae</i> sp. for large-scale biodiesel production. <i>Science of the Total Environment</i> , 2018, 631-632, 994-1004.	3.9	39
26	Sustainable bioenergy production from tofu-processing wastewater by anaerobic hydrogen fermentation for onsite energy recovery. <i>Renewable Energy</i> , 2013, 58, 60-67.	4.3	38
27	Spatiotemporal Distribution and Assemblages of Planktonic Fungi in the Coastal Waters of the Bohai Sea. <i>Frontiers in Microbiology</i> , 2018, 9, 584.	1.5	37
28	Bio-based squalene production by <i>Aurantiochytrium</i> sp. through optimization of culture conditions, and elucidation of the putative biosynthetic pathway genes. <i>Bioresource Technology</i> , 2019, 287, 121415.	4.8	37
29	Development of a Novel Hybrid Immobilization Material (HYâ€M) for Fermentative Biohydrogen Production from Beverage Wastewater. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 827-830.	0.8	36
30	Fed-batch fermentation of mixed carbon source significantly enhances the production of docosahexaenoic acid in <i>Thraustochytriidae</i> sp. PKU#Mn16 by differentially regulating fatty acids biosynthetic pathways. <i>Bioresource Technology</i> , 2020, 297, 122402.	4.8	36
31	Research and development perspectives of lignocellulose-based biohydrogen production. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 225-238.	1.9	35
32	Distinct Seasonal Patterns of Bacterioplankton Abundance and Dominance of Phyla $\hat{\pm}$ Proteobacteria and Cyanobacteria in Qinhuangdao Coastal Waters Off the Bohai Sea. <i>Frontiers in Microbiology</i> , 2017, 8, 1579.	1.5	35
33	Mining terpenoids production and biosynthetic pathway in <i>thraustochytrids</i> . <i>Bioresource Technology</i> , 2017, 244, 1269-1280.	4.8	31
34	Effect of effluent recycle ratio in a continuous anaerobic biohydrogen production system. <i>Journal of Cleaner Production</i> , 2012, 32, 236-243.	4.6	29
35	Culturable Diversity and Lipid Production Profile of Labyrinthulomycete Protists Isolated from Coastal Mangrove Habitats of China. <i>Marine Drugs</i> , 2019, 17, 268.	2.2	28
36	Structural divergence of bacterial communities from functionally similar laboratory-scale vermicomposts assessed by PCR-CE-SSCP. <i>Journal of Applied Microbiology</i> , 2008, 105, 2123-2132.	1.4	23

#	ARTICLE	IF	CITATIONS
37	Fermentative bioenergy production from distillers grains using mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15547-15555.	3.8	23
38	Only Simpson Diversity can be Estimated Accurately from Microbial Community Fingerprints. <i>Microbial Ecology</i> , 2014, 68, 169-172.	1.4	23
39	Phase holdups and microbial community in high-rate fermentative hydrogen bioreactors. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 364-373.	3.8	22
40	Comparative evaluation of hydrogen fermentation of de-oiled <i>Jatropha</i> waste hydrolyzates. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10766-10774.	3.8	22
41	Molecular Detection and Spatiotemporal Characterization of Labyrinthulomycete Protist Diversity in the Coastal Waters Along the Pearl River Delta. <i>Microbial Ecology</i> , 2019, 77, 394-405.	1.4	20
42	Different carbon and nitrogen sources regulated docosahexaenoic acid (DHA) production of <i>Thraustochytridae</i> sp. PKU#SW8 through a fully functional polyunsaturated fatty acid (PUFA) synthase gene (<i>pfaB</i>). <i>Bioresource Technology</i> , 2020, 318, 124273.	4.8	20
43	Rapid and high yield biogas production from <i>Jatropha</i> seed cake by co-digestion with bagasse and addition of Fe ²⁺ . <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2989-2994.	1.2	18
44	High phylogenetic diversity and abundance pattern of Labyrinthulomycete protists in the coastal waters of the Bohai Sea. <i>Environmental Microbiology</i> , 2018, 20, 3042-3056.	1.8	17
45	Storm runoff differentially influences the nutrient concentrations and microbial contamination at two distinct beaches in northern China. <i>Science of the Total Environment</i> , 2019, 663, 400-407.	3.9	17
46	Characterization and robust nature of newly isolated oleaginous marine yeast <i>Rhodospiridium</i> spp. from coastal water of Northern China. <i>AMB Express</i> , 2017, 7, 30.	1.4	15
47	Flow Cytometry for Rapid Enumeration and Biomass Quantification of <i>Thraustochytrids</i> in Coastal Seawaters. <i>Microbes and Environments</i> , 2018, 33, 195-204.	0.7	13
48	Diversity, Abundance, and Ecological Roles of Planktonic Fungi in Marine Environments. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 491.	1.5	13
49	Anaerobic hydrogen production from unhydrolyzed mushroom farm waste by indigenous microbiota. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 425-429.	1.1	12
50	Gradients of three coastal environments off the South China Sea and their impacts on the dynamics of heterotrophic microbial communities. <i>Science of the Total Environment</i> , 2019, 659, 499-506.	3.9	12
51	ARTP Mutagenesis of <i>Schizochytrium</i> sp. PKU#Mn4 and Clethodim-Based Mutant Screening for Enhanced Docosahexaenoic Acid Accumulation. <i>Marine Drugs</i> , 2021, 19, 564.	2.2	12
52	Disentangling the structure and function of mycoplankton communities in the context of marine environmental heterogeneity. <i>Science of the Total Environment</i> , 2021, 766, 142635.	3.9	11
53	Exogenous Antioxidants Improve the Accumulation of Saturated and Polyunsaturated Fatty Acids in <i>Schizochytrium</i> sp. PKU#Mn4. <i>Marine Drugs</i> , 2021, 19, 559.	2.2	11
54	Biohydrogen Production from Mushroom Cultivation Waste by Anaerobic Solid-State Fermentation. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 199-204.	0.8	9

#	ARTICLE	IF	CITATIONS
55	Continuous anaerobic hydrogen and methane production using water hyacinth feedstock. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 2563-2571.	1.1	9
56	Culturable Diversity of Thraustochytrids from Coastal Waters of Qingdao and Their Fatty Acids. <i>Marine Drugs</i> , 2022, 20, 229.	2.2	9
57	Biohydrogen Production from Textile Wastewater by Mixed Microflora in an Intermittent-flow, Stirred Tank Reactor: Effect of Feeding Frequency. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 791-796.	0.8	8
58	Seasonal influence of scallop culture on nutrient flux, bacterial pathogens and bacterioplankton diversity across estuaries off the Bohai Sea Coast of Northern China. <i>Marine Pollution Bulletin</i> , 2017, 124, 411-420.	2.3	8
59	Chemical and Physical Culture Conditions Significantly Influence the Cell Mass and Docosahexaenoic Acid Content of <i>Aurantiochytrium limacinum</i> Strain PKU#SW8. <i>Marine Drugs</i> , 2021, 19, 671.	2.2	7
60	Optimal NaCl Medium Enhances Squalene Accumulation in <i>Thraustochytrium</i> sp. ATCC 26185 and Influences the Expression Levels of Key Metabolic Genes. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	7
61	Media Supplementation with Mannitol and Biotin Enhances Squalene Production of <i>Thraustochytrium</i> ATCC 26185 through Increased Glucose Uptake and Antioxidative Mechanisms. <i>Molecules</i> , 2022, 27, 2449.	1.7	6
62	Nano- and Biomaterials for Sustainable Development. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-2.	1.5	5
63	Elemental Composition and Cell Mass Quantification of Cultured <i>Thraustochytrids</i> Unveil Their Large Contribution to Marine Carbon Pool. <i>Marine Drugs</i> , 2021, 19, 493.	2.2	5
64	Determination of Factors Affecting the Enzymatic Hydrolysis of Low Severity Acid-steam Pretreated Agro-residue. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 809-813.	0.8	4
65	Development of a New Cr(VI)-biosorbent from Agricultural Waste: Adsorption Characteristics and the Kinetics. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 797-802.	0.8	3
66	Conference Report: Kitchen waste-based bioenergy: a report of the International Workshop on Kitchen Waste-Based Bioenergy. <i>Biofuels</i> , 2013, 4, 155-157.	1.4	2
67	Biohydrogen Production Perspectives from Organic Waste with Focus on Asia. , 2019, , 413-435.		2
68	Scale-up and Commercial Applications of Biohydrogen Production Processes. , 2013, , 339-352.		0