Biswarup Sen

List of Publications by Year
in descending order

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68 papers	2,706 citations	147726 31 h-index	189801 50 g-index
71 all docs	71 docs citations	71 times ranked	2552 citing authors

#	Article	IF	Citations
1	Culturable Diversity of Thraustochytrids from Coastal Waters of Qingdao and Their Fatty Acids. Marine Drugs, 2022, 20, 229.	2.2	9
2	Media Supplementation with Mannitol and Biotin Enhances Squalene Production of Thraustochytrium ATCC 26185 through Increased Glucose Uptake and Antioxidative Mechanisms. Molecules, 2022, 27, 2449.	1.7	6
3	Diversity, Abundance, and Ecological Roles of Planktonic Fungi in Marine Environments. Journal of Fungi (Basel, Switzerland), 2022, 8, 491.	1.5	13
4	Optimal NaCl Medium Enhances Squalene Accumulation in Thraustochytrium sp. ATCC 26185 and Influences the Expression Levels of Key Metabolic Genes. Frontiers in Microbiology, 2022, 13, .	1.5	7
5	Disentangling the structure and function of mycoplankton communities in the context of marine environmental heterogeneity. Science of the Total Environment, 2021, 766, 142635.	3.9	11
6	Elemental Composition and Cell Mass Quantification of Cultured Thraustochytrids Unveil Their Large Contribution to Marine Carbon Pool. Marine Drugs, 2021, 19, 493.	2.2	5
7	Exogenous Antioxidants Improve the Accumulation of Saturated and Polyunsaturated Fatty Acids in Schizochytrium sp. PKU#Mn4. Marine Drugs, 2021, 19, 559.	2.2	11
8	ARTP Mutagenesis of Schizochytrium sp. PKU#Mn4 and Clethodim-Based Mutant Screening for Enhanced Docosahexaenoic Acid Accumulation. Marine Drugs, 2021, 19, 564.	2.2	12
9	Chemical and Physical Culture Conditions Significantly Influence the Cell Mass and Docosahexaenoic Acid Content of Aurantiochytrium limacinum Strain PKU#SW8. Marine Drugs, 2021, 19, 671.	2.2	7
10	Fed-batch fermentation of mixed carbon source significantly enhances the production of docosahexaenoic acid in Thraustochytriidae sp. PKU#Mn16 by differentially regulating fatty acids biosynthetic pathways. Bioresource Technology, 2020, 297, 122402.	4.8	36
11	Different carbon and nitrogen sources regulated docosahexaenoic acid (DHA) production of Thraustochytriidae sp. PKU#SW8 through a fully functional polyunsaturated fatty acid (PUFA) synthase gene (pfaB). Bioresource Technology, 2020, 318, 124273.	4.8	20
12	Reactive oxygen species and their applications toward enhanced lipid accumulation in oleaginous microorganisms. Bioresource Technology, 2020, 307, 123234.	4.8	91
13	Molecular Detection and Spatiotemporal Characterization of Labyrinthulomycete Protist Diversity in the Coastal Waters Along the Pearl River Delta. Microbial Ecology, 2019, 77, 394-405.	1.4	20
14	Culturable Diversity and Lipid Production Profile of Labyrinthulomycete Protists Isolated from Coastal Mangrove Habitats of China. Marine Drugs, 2019, 17, 268.	2.2	28
15	Bio-based squalene production by Aurantiochytrium sp. through optimization of culture conditions, and elucidation of the putative biosynthetic pathway genes. Bioresource Technology, 2019, 287, 121415.	4.8	37
16	Biohydrogen Production Perspectives from Organic Waste with Focus on Asia. , 2019, , 413-435.		2
17	Storm runoff differentially influences the nutrient concentrations and microbial contamination at two distinct beaches in northern China. Science of the Total Environment, 2019, 663, 400-407.	3.9	17
18	Research and management of plastic pollution in coastal environments of China. Environmental Pollution, 2019, 248, 898-905.	3.7	104

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19	Gradients of three coastal environments off the South China Sea and their impacts on the dynamics of heterotrophic microbial communities. Science of the Total Environment, 2019, 659, 499-506.	3.9	12
20	Improved production of docosahexaenoic acid in batch fermentation by newly-isolated strains of Schizochytrium sp. and Thraustochytriidae sp. through bioprocess optimization. Synthetic and Systems Biotechnology, 2018, 3, 121-129.	1.8	39
21	Alleviation of reactive oxygen species enhances PUFA accumulation in Schizochytrium sp. through regulating genes involved in lipid metabolism. Metabolic Engineering Communications, 2018, 6, 39-48.	1.9	57
22	Enhanced saturated fatty acids accumulation in cultures of newly-isolated strains of Schizochytrium sp. and Thraustochytriidae sp. for large-scale biodiesel production. Science of the Total Environment, 2018, 631-632, 994-1004.	3.9	39
23	High phylogenetic diversity and abundance pattern of Labyrinthulomycete protists in the coastal waters of the Bohai Sea. Environmental Microbiology, 2018, 20, 3042-3056.	1.8	17
24	Spatiotemporal Distribution and Assemblages of Planktonic Fungi in the Coastal Waters of the Bohai Sea. Frontiers in Microbiology, 2018, 9, 584.	1.5	37
25	Flow Cytometry for Rapid Enumeration and Biomass Quantification of Thraustochytrids in Coastal Seawaters. Microbes and Environments, 2018, 33, 195-204.	0.7	13
26	Characterization and robust nature of newly isolated oleaginous marine yeast Rhodosporidium spp. from coastal water of Northern China. AMB Express, 2017, 7, 30.	1.4	15
27	Mining terpenoids production and biosynthetic pathway in thraustochytrids. Bioresource Technology, 2017, 244, 1269-1280.	4.8	31
28	Anaerobic hydrogen production from unhydrolyzed mushroom farm waste by indigenous microbiota. Journal of Bioscience and Bioengineering, 2017, 124, 425-429.	1.1	12
29	Mesophilic continuous fermentative hydrogen production from acid pretreated de-oiled jatropha waste hydrolysate using immobilized microorganisms. Bioresource Technology, 2017, 240, 137-143.	4.8	40
30	Research and development perspectives of lignocellulose-based biohydrogen production. International Biodeterioration and Biodegradation, 2017, 119, 225-238.	1.9	35
31	Seasonal influence of scallop culture on nutrient flux, bacterial pathogens and bacterioplankton diversity across estuaries off the Bohai Sea Coast of Northern China. Marine Pollution Bulletin, 2017, 124, 411-420.	2.3	8
32	Distinct Seasonal Patterns of Bacterioplankton Abundance and Dominance of Phyla Î±-Proteobacteria and Cyanobacteria in Qinhuangdao Coastal Waters Off the Bohai Sea. Frontiers in Microbiology, 2017, 8, 1579.	1.5	35
33	Biohydrogen Production from Mushroom Cultivation Waste by Anaerobic Solidâ€state Fermentation. Journal of the Chinese Chemical Society, 2016, 63, 199-204.	0.8	9
34	Continuous anaerobic hydrogen and methane production using water hyacinth feedstock. Arabian Journal for Science and Engineering, 2016, 41, 2563-2571.	1.1	9
35	High rate hydrogen fermentation of cello-lignin fraction in de-oiled jatropha waste using hybrid immobilized cell system. Fuel, 2016, 182, 131-140.	3.4	40
36	Pretreatment conditions of rice straw for simultaneous hydrogen and ethanol fermentation by mixed culture. International Journal of Hydrogen Energy, 2016, 41, 4421-4428.	3.8	66

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37	State of the art and future concept of food waste fermentation to bioenergy. Renewable and Sustainable Energy Reviews, 2016, 53, 547-557.	8.2	110
38	Nano- and Biomaterials for Sustainable Development. Journal of Nanomaterials, 2015, 2015, 1-2.	1.5	5
39	Comparative evaluation of hydrogen fermentation of de-oiled Jatropha waste hydrolyzates. International Journal of Hydrogen Energy, 2015, 40, 10766-10774.	3.8	22
40	High-rate fermentative hydrogen production from beverage wastewater. Applied Energy, 2015, 147, 1-9.	5.1	89
41	Recent trends in nanomaterials applications in environmental monitoring and remediation. Environmental Science and Pollution Research, 2015, 22, 18333-18344.	2.7	126
42	Food Waste to Bioenergy via Anaerobic Processes. Energy Procedia, 2014, 61, 307-312.	1.8	75
43	Development of a Novel Hybrid Immobilization Material (HYâ€M) for Fermentative Biohydrogen Production from Beverage Wastewater. Journal of the Chinese Chemical Society, 2014, 61, 827-830.	0.8	36
44	Development of a New Cr(VI)â€biosorbent from Agricultural Waste: Adsorption Characteristics and the Kinetics. Journal of the Chinese Chemical Society, 2014, 61, 797-802.	0.8	3
45	Determination of Factors Affecting the Enzymatic Hydrolysis of Low Severity Acidâ€steam Pretreated Agroâ€residue. Journal of the Chinese Chemical Society, 2014, 61, 809-813.	0.8	4
46	Biohydrogen Production from Textile Wastewater by Mixed Microflora in an Intermittentâ€flow, Stirred Tank Reactor: Effect of Feeding Frequency. Journal of the Chinese Chemical Society, 2014, 61, 791-796.	0.8	8
47	Batch fermentative hydrogen production by enriched mixed culture: Combination strategy and their microbial composition. Journal of Bioscience and Bioengineering, 2014, 117, 222-228.	1.1	73
48	Only Simpson Diversity can be Estimated Accurately from Microbial Community Fingerprints. Microbial Ecology, 2014, 68, 169-172.	1.4	23
49	Overcoming propionic acid inhibition of hydrogen fermentation by temperature shift strategy. International Journal of Hydrogen Energy, 2014, 39, 19232-19241.	3.8	75
50	Scale-up and Commercial Applications of Biohydrogen Production Processes. , 2013, , 339-352.		0
51	Rapid and high yield biogas production from Jatropha seed cake by co-digestion with bagasse and addition of Fe2+. Environmental Technology (United Kingdom), 2013, 34, 2989-2994.	1.2	18
52	Co-fermentation of water hyacinth and beverage wastewater in powder and pellet form for hydrogen production. Bioresource Technology, 2013, 135, 610-615.	4.8	54
53	Sustainable bioenergy production from tofu-processing wastewater by anaerobic hydrogen fermentation for onsite energy recovery. Renewable Energy, 2013, 58, 60-67.	4.3	38
54	Pretreatment and hydrolysis methods for recovery of fermentable sugars from de-oiled Jatropha waste. Bioresource Technology, 2013, 145, 275-279.	4.8	61

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55	Conference Report: Kitchen waste-based bioenergy: a report of the International Workshop on Kitchen Waste-Based Bioenergy. Biofuels, 2013, 4, 155-157.	1.4	2
56	Fermentative bioenergy production from distillers grains using mixed microflora. International Journal of Hydrogen Energy, 2012, 37, 15547-15555.	3.8	23
57	Thermophilic dark fermentation of untreated rice straw using mixed cultures for hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 15540-15546.	3.8	114
58	Fermentative hydrogen production from wastewaters: A review and prognosis. International Journal of Hydrogen Energy, 2012, 37, 15632-15642.	3.8	259
59	Mesophilic fermentative hydrogen production from sago starch-processing wastewater using enriched mixed cultures. International Journal of Hydrogen Energy, 2012, 37, 15588-15597.	3.8	44
60	Direct fermentation of sweet potato to produce maximal hydrogen and ethanol. Applied Energy, 2012, 100, 10-18.	5.1	46
61	Fermentative biohydrogen production from starch-containing textile wastewater. International Journal of Hydrogen Energy, 2012, 37, 2050-2057.	3.8	42
62	Simultaneous hydrogen and ethanol production from sweet potato via dark fermentation. Journal of Cleaner Production, 2012, 27, 155-164.	4.6	47
63	Effect of effluent recycle ratio in a continuous anaerobic biohydrogen production system. Journal of Cleaner Production, 2012, 32, 236-243.	4.6	29
64	Biohydrogen and biomethane from water hyacinth (Eichhornia crassipes) fermentation: Effects of substrate concentration and incubation temperature. International Journal of Hydrogen Energy, 2011, 36, 14195-14203.	3.8	105
65	Phase holdups and microbial community in high-rate fermentative hydrogen bioreactors. International Journal of Hydrogen Energy, 2011, 36, 364-373.	3.8	22
66	Do earthworms affect dynamics of functional response and genetic structure of microbial community in a lab-scale composting system?. Bioresource Technology, 2009, 100, 804-811.	4.8	95
67	Structural divergence of bacterial communities from functionally similar laboratory-scale vermicomposts assessed by PCR-CE-SSCP. Journal of Applied Microbiology, 2008, 105, 2123-2132.	1.4	23
68	Chemolytic and solid-state spectroscopic evaluation of organic matter transformation during vermicomposting of sugar industry wastes. Bioresource Technology, 2007, 98, 1680-1683.	4.8	84