Sumit Singh Dagar

List of Publications by Year
in descending order

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38 papers	1,473 citations	471509 17 h-index	361022 35 g-index
42 all docs	42 docs citations	42 times ranked	1410 citing authors

#	Article	IF	Citations
1	Compost as an untapped niche for thermotolerant yeasts capable of highâ€temperature ethanol production. Letters in Applied Microbiology, 2022, 74, 109-121.	2.2	3
2	Genomics and simulated laboratory studies reveal Thermococcus sp. 101C5 as a novel hyperthermophilic archaeon possessing a specialized metabolic arsenal for enhanced oil recovery. Antonie Van Leeuwenhoek, 2022, 115, 19-31.	1.7	1
3	Genomic architecture of three newly isolated unclassified Butyrivibrio species elucidate their potential role in the rumen ecosystem. Genomics, 2022, 114, 110281.	2.9	9
4	Taxonomy of the anaerobic gut fungi (Neocallimastigomycota): a review of classification criteria and description of current taxa. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	11
5	Editorial: Advances in the Understanding of the Commensal Eukaryota and Viruses of the Herbivore Gut. Frontiers in Microbiology, 2021, 12, 619287.	3.5	5
6	Buffalo rumen harbours diverse thermotolerant yeasts capable of producing second-generation bioethanol from lignocellulosic biomass. Renewable Energy, 2021, 173, 795-807.	8.9	7
7	Genome sequencing and analysis of a psychrotrophic methanogen Methanosarcina sp. nov. MSH10X1 cultured from methane hydrate deposits of Krishna Godavari Basin of India. Marine Genomics, 2021, 59, 100864.	1.1	7
8	Xylanolytic and Ethanologenic Potential of Gut Associated Yeasts from Different Species of Termites from India. Mycobiology, 2020, 48, 501-511.	1.7	16
9	Bioaugmentation of anaerobic fungus Orpinomyces joyonii boosts sustainable biomethanation of rice straw without pretreatment. Biomass and Bioenergy, 2020, 138, 105546.	5.7	20
10	Seven new Neocallimastigomycota genera from wild, zoo-housed, and domesticated herbivores greatly expand the taxonomic diversity of the phylum. Mycologia, 2020, 112, 1212-1239.	1.9	50
11	Meta-omics based analyses of microbiome involved in biomethanation of rice straw in a thermophilic anaerobic bioreactor under optimized conditions. Bioresource Technology, 2019, 279, 25-33.	9.6	17
12	Horizontal Gene Transfer as an Indispensable Driver for Evolution of Neocallimastigomycota into a Distinct Gut-Dwelling Fungal Lineage. Applied and Environmental Microbiology, 2019, 85, .	3.1	61
13	Illustration of the microbial community selected by optimized process and nutritional parameters resulting in enhanced biomethanation of rice straw without thermo-chemical pretreatment. Bioresource Technology, 2019, 289, 121639.	9.6	17
14	Morphological variation in the porcelaneous benthic foraminifer Quinqueloculina seminula (Linnaeus, 1758): Genotypes or Morphotypes? A detailed morphotaxonomic, molecular and ecological investigation. Marine Micropaleontology, 2019, 150, 101748.	1.2	6
15	Antiparasitics from Microorganisms. Environmental Chemistry for A Sustainable World, 2019, , 27-47.	0.5	0
16	Cultivation of multiple genera of hydrogenotrophic methanogens from different environmental niches. Anaerobe, 2018, 50, 64-68.	2.1	19
17	Comparative evaluation of lignocellulolytic activities of filamentous cultures of monocentric and polycentric anaerobic fungi. Anaerobe, 2018, 50, 76-79.	2.1	14
18	Comparative diversity analysis of ruminal methanogens in Murrah buffaloes (Bubalus bubalis) in four states of North India. Anaerobe, 2018, 52, 59-63.	2.1	7

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19	Liebetanzomyces polymorphus gen. et sp. nov., a new anaerobic fungus (Neocallimastigomycota) isolated from the rumen of a goat. MycoKeys, 2018, 40, 89-110.	1.9	52
20	Genomic Analysis of Actinomyces sp. Strain CtC72, a Novel Fibrolytic Anaerobic Bacterium Isolated from Cattle Rumen. Microbiology and Biotechnology Letters, 2018, 46, 59-67.	0.4	7
21	PCR and Omics Based Techniques to Study the Diversity, Ecology and Biology of Anaerobic Fungi: Insights, Challenges and Opportunities. Frontiers in Microbiology, 2017, 8, 1657.	3.5	118
22	Role of live microbial feed supplements with reference to anaerobic fungi in ruminant productivity: A review. Journal of Integrative Agriculture, 2015, 14, 550-560.	3.5	46
23	Prospective use of bacteriocinogenic Pediococcus pentosaceus as direct-fed microbial having methane reducing potential. Journal of Integrative Agriculture, 2015, 14, 561-566.	3.5	4
24	Role of anaerobic fungi in wheat straw degradation and effects of plant feed additives on rumen fermentation parameters in vitro. Beneficial Microbes, 2015, 6, 353-360.	2.4	8
25	A new anaerobic fungus (Oontomyces anksri gen. nov., sp. nov.) from the digestive tract of the Indian camel (Camelus dromedarius). Fungal Biology, 2015, 119, 731-737.	2.5	71
26	Anaerobic fungi (phylumNeocallimastigomycota): advances in understanding their taxonomy, life cycle, ecology, role and biotechnological potential. FEMS Microbiology Ecology, 2014, 90, 1-17.	2.7	298
27	New aspects and strategies for methane mitigation from ruminants. Applied Microbiology and Biotechnology, 2014, 98, 31-44.	3.6	120
28	Ribosomal ITS1 sequence-based diversity analysis of anaerobic rumen fungi in cattle fed on high fiber diet. Annals of Microbiology, 2013, 63, 1571-1577.	2.6	25
29	Isolation, characterization and fibre degradation potential of anaerobic rumen fungi from cattle. Annals of Microbiology, 2013, 63, 1187-1194.	2.6	22
30	Changes in methane emission, rumen fermentation in response to diet and microbial interactions. Research in Veterinary Science, 2013, 94, 263-268.	1.9	33
31	Microbial profiles, in vitro gas production and dry matter digestibility based on various ratios of roughage to concentrate. Annals of Microbiology, 2013, 63, 541-545.	2.6	47
32	Î²-Glucosidase Activity of Lactobacilli for Biotransformation of Soy Isoflavones. Food Biotechnology, 2012, 26, 154-163.	1.5	8
33	Molecular tools for deciphering the microbial community structure and diversity in rumen ecosystem. Applied Microbiology and Biotechnology, 2012, 95, 1135-1154.	3.6	54
34	Isolation and characterization of methanogens from rumen of Murrah buffalo. Annals of Microbiology, 2012, 62, 345-350.	2.6	30
35	Enumeration of methanogens with a focus on fluorescence in situ hybridization. Die Naturwissenschaften, 2011, 98, 457-472.	1.6	17
36	D1/D2 Domain of Large-Subunit Ribosomal DNA for Differentiation of Orpinomyces spp. Applied and Environmental Microbiology, 2011, 77, 6722-6725.	3.1	62

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37	Factors affecting rumen methanogens and methane mitigation strategies. World Journal of Microbiology and Biotechnology, 2009, 25, 1557-1566.	3.6	75
38	Buwchfawromyces eastonii gen. nov., sp. nov.: a new anaerobic fungus (Neocallimastigomycota) isolated from buffalo faeces. MycoKeys, 0, 9, 11-28.	1.9	95