Hukam S Gehlot

List of Publications by Year
in descending order

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		759233	752698
22	541	12	20
papers	citations	h-index	g-index

24	24	24	509
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of novel strains of Ensifer nodulating the invasive legume Leucaena leucocephala (Lam.) de Wit in different climatic regions of India through lateral gene transfer. FEMS Microbiology Ecology, 2022, 98, .	2.7	4
2	Feasibility of using solar energy for cold production. Journal of Applied Horticulture, 2021, 23, 174-177.	0.2	0
3	The widely distributed legume tree Vachellia (Acacia) nilotica subsp. indica is nodulated by genetically diverse Ensifer strains in India. Symbiosis, 2020, 80, 15-31.	2.3	16
4	Cloning, Characterization, and Structural Modeling of an Extremophilic Bacterial Lipase Isolated from Saline Habitats of the Thar Desert. Applied Biochemistry and Biotechnology, 2020, 192, 557-572.	2.9	13
5	Methods for Isolation and Characterization of Nitrogen-Fixing Legume-Nodulating Bacteria. Methods in Molecular Biology, 2020, 2057, 119-143.	0.9	5
6	Diversity of Nitrogen-Fixing Symbiotic Rhizobia with Special Reference to Indian Thar Desert. , 2019, , 31-55.		5
7	Selection of Bradyrhizobium or Ensifer symbionts by the native Indian caesalpinioid legume Chamaecrista pumila depends on soil pH and other edaphic and climatic factors. FEMS Microbiology Ecology, 2018, 94, .	2.7	46
8	Molecular characterization of nitrogen fixing microsymbionts from root nodules of Vachellia (Acacia) jacquemontii, a native legume from the Thar Desert of India. Plant and Soil, 2017, 410, 21-40.	3.7	63
9	Genomic characterization of Ensifer aridi, a proposed new species of nitrogen-fixing rhizobium recovered from Asian, African and American deserts. BMC Genomics, 2017, 18, 85.	2.8	34
10	Molecular characterization of novel Bradyrhizobium strains nodulating Eriosema chinense and Flemingia vestita , important unexplored native legumes of the sub-Himalayan region (Meghalaya) of India. Systematic and Applied Microbiology, 2017, 40, 334-344.	2.8	25
11	Multi locus sequence analysis and symbiotic characterization of novel Ensifer strains nodulating Tephrosia spp. in the Indian Thar Desert. Systematic and Applied Microbiology, 2016, 39, 534-545.	2.8	24
12	High-quality permanent draft genome sequence of Ensifer sp. PC2, isolated from a nitrogen-fixing root nodule of the legume tree (Khejri) native to the Thar Desert of India. Standards in Genomic Sciences, 2016, 11, 43.	1.5	7
13	Changes in phytonutrients and antioxidant properties of Cordia myxa and Carissa carandas fruit during ripening. Indian Journal of Plant Physiology, 2015, 20, 72-78.	0.8	5
14	ZnO nanoparticles induced exopolysaccharide production by B. subtilis strain JCT1 for arid soil applications. International Journal of Biological Macromolecules, 2014, 65, 362-368.	7.5	30
15	Evaluation of aeroponics for clonal propagation of Caralluma edulis, Leptadenia reticulata and Tylophora indica â€“ three threatened medicinal Asclepiads. Physiology and Molecular Biology of Plants, 2014, 20, 365-373.	3.1	18
16	In Vitro Plant Regeneration of Cymbopogon jwarancusa (Jones) Schult from Meristematic Base of Spikelet. The National Academy of Sciences, India, 2014, 37, 131-135.	1.3	2
17	An invasive Mimosa in India does not adopt the symbionts of its native relatives. Annals of Botany, 2013, 112, 179-196.	2.9	100
18	Genome sequence of Ensifer sp. TW10; a Tephrosia wallichii (Biyani) microsymbiont native to the Indian Thar Desert. Standards in Genomic Sciences, 2013, 9, 304-314.	1.5	12

#	Article	IF	Citations
19	Nodulation of legumes from the Thar desert of India and molecular characterization of their rhizobia. Plant and Soil, 2012, 357, 227-243.	3.7	57
20	Nodulated legumes in arid and semi-arid environments: are they important?. Plant Ecology and Diversity, 2010, 3, 211-219.	2.4	54
21	Growth and organogenesis in moth bean callus cultures as influenced by triazole growth regulators and gibberellic acid. Journal of Plant Growth Regulation, 1991, 10, 41-45.	5.1	9
22	Growth and Organogenesis in Moth Bean Callus as Affected by Paclobutrazol. Plant and Cell Physiology, 1989, 30, 933-936.	3.1	10