Sarika Mehra

List of Publications by Year
in descending order

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32	667	567144	580701
papers	citations	15	25
		h-index	g-index

33	33	33	969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyacrylic Acid-Coated Iron Oxide Nanoparticles for Targeting Drug Resistance in Mycobacteria. Langmuir, 2014, 30, 15266-15276.	1.6	76
2	Genome-wide transcriptome analysis reveals that a pleiotropic antibiotic regulator, AfsS, modulates nutritional stress response in Streptomyces coelicolor A3(2). BMC Genomics, 2008, 9, 56.	1.2	48
3	A Bistable Gene Switch for Antibiotic Biosynthesis: The Butyrolactone Regulon in Streptomyces coelicolor. PLoS ONE, 2008, 3, e2724.	1.1	47
4	On-line adaptation of neural networks for bioprocess control. Computers and Chemical Engineering, 2005, 29, 1047-1057.	2.0	46
5	Dynamics of unfolded protein response in recombinant CHO cells. Cytotechnology, 2015, 67, 237-254.	0.7	44
6	Comparative Phylogenomics of Pathogenic and Non-Pathogenic Mycobacterium. PLoS ONE, 2013, 8, e71248.	1.1	41
7	A kinetic model of quantitative real-time polymerase chain reaction. Biotechnology and Bioengineering, 2005, 91, 848-860.	1.7	40
8	A framework to analyze multiple time series data: A case study with Streptomyces coelicolor. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 159-172.	1.4	36
9	A Boolean algorithm for reconstructing the structure of regulatory networks. Metabolic Engineering, 2004, 6, 326-339.	3.6	34
10	Transcriptome dynamics-based operon prediction and verification in Streptomyces coelicolor. Nucleic Acids Research, 2007, 35, 7222-7236.	6.5	30
11	Transcriptomic study of ciprofloxacin resistance in Streptomyces coelicolor A3(2). Molecular BioSystems, 2013, 9, 3101.	2.9	30
12	Biocompatible citric acidâ€coated iron oxide nanoparticles to enhance the activity of firstâ€line antiâ€‹scp›TB‹/scp› drugs in ‹i›Mycobacterium smegmatis‹/i›. Journal of Chemical Technology and Biotechnology, 2015, 90, 1773-1781.	1.6	25
13	Repurposing artemisinin as an anti-mycobacterial agent in synergy with rifampicin. Tuberculosis, 2019, 115, 146-153.	0.8	20
14	Convergent Transcription in the Butyrolactone Regulon in Streptomyces coelicolor Confers a Bistable Genetic Switch for Antibiotic Biosynthesis. PLoS ONE, 2011, 6, e21974.	1.1	20
15	The Familial Î±-Synuclein A53E Mutation Enhances Cell Death in Response to Environmental Toxins Due to a Larger Population of Oligomers. Biochemistry, 2018, 57, 5014-5028.	1.2	19
16	A Major Facilitator Superfamily (MFS) Efflux Pump, SCO4121, from Streptomyces coelicolor with Roles in Multidrug Resistance and Oxidative Stress Tolerance and Its Regulation by a MarR Regulator. Applied and Environmental Microbiology, 2021, 87, .	1.4	19
17	Synergistic Response of Rifampicin with Hydroperoxides on Mycobacterium: A Mechanistic Study. Frontiers in Microbiology, 2017, 8, 2075.	1.5	15
18	All-trans retinoic acid loaded block copolymer nanoparticles efficiently induce cellular differentiation in HL-60 cells. European Journal of Pharmaceutical Sciences, 2011, 44, 643-652.	1.9	11

#	Article	IF	Citations
19	Proteomic analysis of Streptomyces coelicolor in response to Ciprofloxacin challenge. Journal of Proteomics, 2014, 97, 222-234.	1.2	10
20	Activation of unfolded protein response pathway is important for valproic acid mediated increase in immunoglobulin G productivity in recombinant Chinese hamster ovary cells. Journal of Bioscience and Bioengineering, 2017, 124, 459-468.	1.1	10
21	ZnO Nanoparticles and Rifampicin Synergistically Damage the Membrane of Mycobacteria. ACS Applied Nano Materials, 2020, 3, 3174-3184.	2.4	10
22	Targeting wildâ€type and drugâ€resistant mycobacteria in infected macrophages using drugâ€coated nanoparticles. Journal of Chemical Technology and Biotechnology, 2019, 94, 768-776.	1.6	6
23	Enhancing titers and productivity of rCHO clones with a combination of an optimized fed-batch process and ER-stress adaptation. Journal of Biotechnology, 2020, 311, 49-58.	1.9	6
24	Potentiating the Anti-Tuberculosis Efficacy of Peptide Nucleic Acids through Combinations with Permeabilizing Drugs. Microbiology Spectrum, 2022, 10, e0126221.	1.2	5
25	Distinct transcriptomic response of S. coelicolor to ciprofloxacin in a nutrient-rich environment. Applied Microbiology and Biotechnology, 2018, 102, 10623-10643.	1.7	4
26	The Mycobacterial Efflux Pump EfpA Can Induce High Drug Tolerance to Many Antituberculosis Drugs, Including Moxifloxacin, in Mycobacterium smegmatis. Antimicrobial Agents and Chemotherapy, 2021, 65, e0026221.	1.4	4
27	Involvement of the SCO3366 efflux pump from S. coelicolor in rifampicin resistance and its regulation by a TetR regulator. Applied Microbiology and Biotechnology, 2022, 106, 2175-2190.	1.7	4
28	TimeView. Applied Bioinformatics, 2006, 5, 41-44.	1.7	3
29	PNA-mediated efflux inhibition as a therapeutic strategy towards overcoming drug resistance in Mycobacterium smegmatis. Microbial Pathogenesis, 2021, 151, 104737.	1.3	2
30	Ethanol in Combination with Oxidative Stress Significantly Impacts Mycobacterial Physiology. Journal of Bacteriology, 2020, 202, .	1.0	1
31	Comprehensive Phylogenetic Analysis of Mycobacteria. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 101-106.	0.4	0
32	pH-driven enhancement of anti-tubercular drug loading on iron oxide nanoparticles for drug delivery in macrophages. Beilstein Journal of Nanotechnology, 2021, 12, 1127-1139.	1.5	0