

Georg Lentzen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,586
citations

471509

17
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1553
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremolytes: natural compounds from extremophiles for versatile applications. Applied Microbiology and Biotechnology, 2006, 72, 623-634.	3.6	288
2	A blueprint of ectoine metabolism from the genome of the industrial producer <i>Halomonas elongata</i> DSM 2581 ^T . Environmental Microbiology, 2011, 13, 1973-1994.	3.8	224
3	Rational Design of Inhibitors of HIV-1 TAR RNA through the Stabilisation of Electrostatic "Hot Spots". Journal of Molecular Biology, 2004, 336, 343-356.	4.2	133
4	Ectoine and hydroxyectoine inhibit aggregation and neurotoxicity of Alzheimer's β -amyloid. FEBS Letters, 2005, 579, 4775-4780.	2.8	120
5	Industrial Production of the Cell Protectant Ectoine: Protection Mechanisms, Processes, and Products. Current Biotechnology, 2014, 3, 10-25.	0.4	114
6	The effect of compatible solute ectoines on the structural organization of lipid monolayer and bilayer membranes. Biophysical Chemistry, 2010, 150, 37-46.	2.8	102
7	Structural Basis for Contrasting Activities of Ribosome Binding Thiazole Antibiotics. Chemistry and Biology, 2003, 10, 769-778.	6.0	85
8	The Complex of a Designer Antibiotic with a Model Aminoacyl Site of the 30S Ribosomal Subunit Revealed by X-ray Crystallography. Journal of the American Chemical Society, 2003, 125, 3410-3411.	13.7	77
9	Important role of the tetraloop region of 4.5S RNA in SRP binding to its receptor FtsY. Rna, 2001, 7, 293-301.	3.5	64
10	Interaction of Guanine Nucleotides with the Signal Recognition Particle from Escherichia coli. Biochemistry, 1998, 37, 15408-15413.	2.5	63
11	Novel effects of ectoine, a bacteria-derived natural tetrahydropyrimidine, in experimental colitis. Phytomedicine, 2013, 20, 585-591.	5.3	51
12	Inhibition of β -amyloid peptide aggregation and neurotoxicity by α -D-mannosylglycerate, a natural extremolyte. Peptides, 2008, 29, 578-584.	2.4	50
13	The functioning of the SRP receptor FtsY in protein-targeting in E. coli correlated with its ability to bind and hydrolyse GTP. FEBS Letters, 1995, 372, 253-258.	2.8	49
14	Interactions of Designer Antibiotics and the Bacterial Ribosomal Aminoacyl-tRNA Site. Chemistry and Biology, 2006, 13, 129-138.	6.0	38
15	Formation of SRP-like particle induces a conformational change in E. coli 4.5S RNA. FEBS Letters, 1994, 348, 233-238.	2.8	34
16	Structure-based design of agents targeting the bacterial ribosome. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2455-2458.	2.2	32
17	Compatible solutes: Ectoine and hydroxyectoine improve functional nanostructures in artificial lung surfactants. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2830-2840.	2.6	32
18	2 RNA as a Drug Target. Progress in Medicinal Chemistry, 2002, 39, 73-119.	10.4	18

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19	Ectoine as a natural component of food: detection in red smear cheeses. Journal of Dairy Research, 2007, 74, 446-451.	1.4	12