Heike BÃ¤hre

List of Publications by Year
in descending order

36 papers	1,638 citations	471509 17 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	3011 citing authors

#	Article	IF	Citations
1	De novo fatty acid synthesis controls the fate between regulatory T and T helper 17 cells. Nature Medicine, 2014, 20, 1327-1333.	30.7	694
2	Taxol-Loaded MSC-Derived Exosomes Provide a Therapeutic Vehicle to Target Metastatic Breast Cancer and Other Carcinoma Cells. Cancers, 2019, 11, 798.	3.7	163
3	cGAS-like receptors sense RNA and control 3â€²2â€²-cGAMP signalling in Drosophila. Nature, 2021, 597, 109-113.	27.8	104
4	ExoY from Pseudomonas aeruginosa is a nucleotidyl cyclase with preference for cGMP and cUMP formation. Biochemical and Biophysical Research Communications, 2014, 450, 870-874.	2.1	59
5	From canonical to non-canonical cyclic nucleotides as second messengers: Pharmacological implications. , 2015, 148, 154-184.		50
6	Natural Compound Library Screening Identifies New Molecules for the Treatment of Cardiac Fibrosis and Diastolic Dysfunction. Circulation, 2020, 141, 751-767.	1.6	48
7	cAMP, cGMP, cCMP and cUMP concentrations across the tree of life: High cCMP and cUMP levels in astrocytes. Neuroscience Letters, 2014, 579, 183-187.	2.1	46
8	Nucleotidyl cyclase activity of soluble guanylyl cyclase in intact cells. Biochemical and Biophysical Research Communications, 2014, 443, 1195-1199.	2.1	39
9	A meet-up of two second messengers: the c-di-AMP receptor DarB controls (p)ppGpp synthesis in Bacillus subtilis. Nature Communications, 2021, 12, 1210.	12.8	35
10	Itaconate and derivatives reduce interferon responses and inflammation in influenza A virus infection. PLoS Pathogens, 2022, 18, e1010219.	4.7	35
11	Soluble adenylyl cyclase accounts for high basal cCMP and cUMP concentrations in HEK293 and B103 cells. Biochemical and Biophysical Research Communications, 2014, 448, 236-240.	2.1	34
12	cCMP and cUMP occur inÂvivo. Biochemical and Biophysical Research Communications, 2015, 460, 909-914.	2.1	31
13	The zoonotic pathogen Leptospira interrogans mitigates environmental stress through cyclic-di-GMP-controlled biofilm production. Npj Biofilms and Microbiomes, 2020, 6, 24.	6.4	29
14	Measurement of 2â€²,3â€²-cyclic nucleotides by liquid chromatographyâ€"tandem mass spectrometry in cells. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 964, 208-211.	2.3	27
15	Identification and Quantification of Cyclic Di-Guanosine Monophosphate and Its Linear Metabolites by Reversed-Phase LC-MS/MS. Methods in Molecular Biology, 2017, 1657, 45-58.	0.9	26
16	The purinergic P2Y14 receptor links hepatocyte death to hepatic stellate cell activation and fibrogenesis in the liver. Science Translational Medicine, 2022, 14, eabe5795.	12.4	25
17	Breaking the Vicious Cycle of Antibiotic Killing and Regrowth of Biofilm-Residing <i>Pseudomonas aeruginosa</i>. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	23
18	Histamine can be Formed and Degraded in the Human and Mouse Heart. Frontiers in Pharmacology, 2021, 12, 582916.	3.5	21

#	Article	IF	Citations
19	PDE7A1 hydrolyzes cCMP. FEBS Letters, 2014, 588, 3469-3474.	2.8	18
20	Thermosynechococcus switches the direction of phototaxis by a c-di-GMP-dependent process with high spatial resolution. ELife, 2022, 11, .	6.0	15
21	In vivo efficacy of mutant IDH1 inhibitor HMS-101 and structural resolution of distinct binding site. Leukemia, 2020, 34, 416-426.	7.2	13
22	Putative Nucleotide-Based Second Messengers in the Archaeal Model Organisms Haloferax volcanii and Sulfolobus acidocaldarius. Frontiers in Microbiology, 2021, 12, 779012.	3.5	13
23	Establishment, Validation, and Initial Application of a Sensitive LC-MS/MS Assay for Quantification of the Naturally Occurring Isomers Itaconate, Mesaconate, and Citraconate. Metabolites, 2021, 11, 270.	2.9	12
24	A Cyclic di-GMP Network Is Present in Gram-Positive <i>Streptococcus</i> and Gram-Negative <i>Proteus</i> Species. ACS Infectious Diseases, 2020, 6, 2672-2687.	3.8	10
25	Octopamine drives honeybee thermogenesis. ELife, 2022, 11, .	6.0	10
26	Elevated câ€diâ€GMP levels promote biofilm formation and biodesulfurization capacity of <i>Rhodococcus erythropolis</i>. Microbial Biotechnology, 2021, 14, 923-937.	4.2	8
27	Methicillin-resistant <i>Staphylococcus pseudintermedius</i> synthesizes deoxyadenosine to cause persistent infection. Virulence, 2021, 12, 989-1002.	4.4	8
28	The ancestral stringent response potentiator, DksA has been adapted throughout <i>Salmonella</i> evolution to orchestrate the expression of metabolic, motility, and virulence pathways. Gut Microbes, 2022, 14, 1997294.	9.8	8
29	Staphylococcus aureus Multiplexes Death-Effector Deoxyribonucleosides to Neutralize Phagocytes. Frontiers in Immunology, 2022, 13, 847171.	4.8	8
30	Non-targeted metabolomics by high resolution mass spectrometry in HPRT knockout mice. Life Sciences, 2016, 156, 68-73.	4.3	6
31	<i>Pseudomonas aeruginosa</i> postâ€translational responses to elevated <scp>câ€diâ€GMP</scp> levels. Molecular Microbiology, 2022, 117, 1213-1226.	2.5	6
32	AdrA as a Potential Immunomodulatory Candidate for STING-Mediated Antiviral Therapy That Required Both Type I IFN and TNF-Î± Production. Journal of Immunology, 2021, 206, 376-385.	0.8	5
33	The two Pseudomonas aeruginosa DksA stringent response proteins are largely interchangeable at the whole transcriptome level and in the control of virulenceâ€related traits. Environmental Microbiology, 2021, 23, 5487-5504.	3.8	3
34	Patatin-like phospholipase CapV in Escherichia coli - morphological and physiological effects of one amino acid substitution. Npj Biofilms and Microbiomes, 2022, 8, 39.	6.4	3
35	Mass Spectrometric Analysis of Non-canonical Cyclic Nucleotides. Handbook of Experimental Pharmacology, 2016, 238, 293-306.	1.8	2
36	Analytical Methods for the Quantification of Histamine and Histamine Metabolites. Handbook of Experimental Pharmacology, 2017, 241, 3-19.	1.8	1