

Shi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,097
citations

147801

31
h-index

168389

53
g-index

69
all docs

69
docs citations

69
times ranked

4056
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy in ischemic stroke. <i>Progress in Neurobiology</i> , 2018, 163-164, 98-117.	5.7	295
2	Phosphorothioation of DNA in bacteria by <i>dnd</i> genes. <i>Nature Chemical Biology</i> , 2007, 3, 709-710.	8.0	234
3	Autophagy Receptors and Neurodegenerative Diseases. <i>Trends in Cell Biology</i> , 2017, 27, 491-504.	7.9	173
4	DNA phosphorothioation is widespread and quantized in bacterial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2963-2968.	7.1	137
5	Organizational and Mutational Analysis of a Complete FR-008/Candidin Gene Cluster Encoding a Structurally Related Polyene Complex. <i>Chemistry and Biology</i> , 2003, 10, 1065-1076.	6.0	127
6	ALS-FTLD-linked mutations of SQSTM1/p62 disrupt selective autophagy and NFE2L2/NRF2 anti-oxidative stress pathway. <i>Autophagy</i> , 2020, 16, 917-931.	9.1	118
7	Mitofilin and CHCHD6 physically interact with Sam50 to sustain cristae structure. <i>Scientific Reports</i> , 2015, 5, 16064.	3.3	99
8	Advances in CRISPR-Cas systems for RNA targeting, tracking and editing. <i>Biotechnology Advances</i> , 2019, 37, 708-729.	11.7	95
9	Genomic mapping of phosphorothioates reveals partial modification of short consensus sequences. <i>Nature Communications</i> , 2014, 5, 3951.	12.8	90
10	DNA phosphorothioate modification—a new multi-functional epigenetic system in bacteria. <i>FEMS Microbiology Reviews</i> , 2019, 43, 109-122.	8.6	87
11	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. <i>Cell Reports</i> , 2018, 23, 2989-3005.	6.4	86
12	SspABCD—SspE is a phosphorothioation-sensing bacterial defence system with broad anti-phage activities. <i>Nature Microbiology</i> , 2020, 5, 917-928.	13.3	86
13	Genetic mechanisms of arsenic detoxification and metabolism in bacteria. <i>Current Genetics</i> , 2019, 65, 329-338.	1.7	77
14	Occurrence, evolution, and functions of DNA phosphorothioate epigenetics in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2988-E2996.	7.1	72
15	arsRBOCT Arsenic Resistance System Encoded by Linear Plasmid pHZ227 in <i>Streptomyces</i> sp. Strain FR-008. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3738-3742.	3.1	66
16	Gelatin Nanoparticle-Coated Silicon Beads for Density-Selective Capture and Release of Heterogeneous Circulating Tumor Cells with High Purity. <i>Theranostics</i> , 2018, 8, 1624-1635.	10.0	66
17	Convergence of DNA methylation and phosphorothioation epigenetics in bacterial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4501-4506.	7.1	64
18	Sam50—Mic19—Mic60 axis determines mitochondrial cristae architecture by mediating mitochondrial outer and inner membrane contact. <i>Cell Death and Differentiation</i> , 2020, 27, 146-160.	11.2	64

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19	Ophiolitic magmatites in crustal-scale fault zones: Implications for the Late Palaeozoic tectonic evolution in West Junggar, China. <i>Tectonics</i> , 2014, 33, 2419-2443.	2.8	62
20	Nanotechnology-Based Strategies for Early Cancer Diagnosis Using Circulating Tumor Cells as a Liquid Biopsy. <i>Nanotheranostics</i> , 2018, 2, 21-41.	5.2	60
21	Carbon monoxide potently prevents ischemia-induced high-mobility group box 1 translocation and release and protects against lethal renal ischemia-reperfusion injury. <i>Kidney International</i> , 2014, 86, 525-537.	5.2	56
22	A new type of DNA phosphorothioation-based antiviral system in archaea. <i>Nature Communications</i> , 2019, 10, 1688.	12.8	54
23	Gut microbiome interventions in human health and diseases. <i>Medicinal Research Reviews</i> , 2019, 39, 2286-2313.	10.5	52
24	Engineering and modification of microbial chassis for systems and synthetic biology. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 25-33.	3.7	52
25	Tssk4 is essential for maintaining the structural integrity of sperm flagellum. <i>Molecular Human Reproduction</i> , 2015, 21, 136-145.	2.8	49
26	Human cells lacking coilin and Cajal bodies are proficient in telomerase assembly, trafficking and telomere maintenance. <i>Nucleic Acids Research</i> , 2015, 43, 385-395.	14.5	44
27	Is amyotrophic lateral sclerosis/frontotemporal dementia an autophagy disease?. <i>Molecular Neurodegeneration</i> , 2017, 12, 90.	10.8	44
28	DNA phosphorothioate modifications influence the global transcriptional response and protect DNA from double-stranded breaks. <i>Scientific Reports</i> , 2014, 4, 6642.	3.3	40
29	DNA phosphorothioation in <i>Streptomyces lividans</i> : mutational analysis of the <i>dnd</i> locus. <i>BMC Microbiology</i> , 2009, 9, 41.	3.3	39
30	Synthetic Genomics: From DNA Synthesis to Genome Design. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1748-1756.	13.8	35
31	Regulation of DNA phosphorothioate modification in <i>Salmonella enterica</i> by DndB. <i>Scientific Reports</i> , 2015, 5, 12368.	3.3	32
32	Twenty years hunting for sulfur in DNA. <i>Protein and Cell</i> , 2010, 1, 14-21.	11.0	26
33	Epigenetic competition reveals density-dependent regulation and target site plasticity of phosphorothioate epigenetics in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14322-14330.	7.1	25
34	Oxidative stress-induced mitophagy is suppressed by the miR-106b-93-25 cluster in a protective manner. <i>Cell Death and Disease</i> , 2021, 12, 209.	6.3	25
35	Optimizing the medium compositions for accumulation of the novel FR-008/Candidin derivatives CS101 by a mutant of <i>Streptomyces</i> sp. using statistical experimental methods. <i>Process Biochemistry</i> , 2007, 42, 878-883.	3.7	21
36	Behavioral methods for the functional assessment of hair cells in zebrafish. <i>Frontiers of Medicine</i> , 2017, 11, 178-190.	3.4	21

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37	Temporal and Spatial Patterns of Neural Activity Associated with Information Selection in Open-ended Creativity. <i>Neuroscience</i> , 2018, 371, 268-276.	2.3	21
38	Tailoring the P450 Monooxygenase Gene for FR-008/Candidicin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1778-1781.	3.1	19
39	<scp>SAMM</scp>50 Affects Mitochondrial Morphology through the Association of Drp1 in Mammalian Cells. <i>FEBS Letters</i> , 2016, 590, 1313-1323.	2.8	19
40	Signature Arsenic Detoxification Pathways in <i>Halomonas</i> sp. Strain GFAJ-1. <i>MBio</i> , 2018, 9, .	4.1	19
41	Testis-specific serine/threonine protein kinase 4 (Tssk4) phosphorylates Odf2 at Ser-76. <i>Scientific Reports</i> , 2016, 6, 22861.	3.3	18
42	Lost region in amyloid precursor protein (APP) through TALEN-mediated genome editing alters mitochondrial morphology. <i>Scientific Reports</i> , 2016, 6, 22244.	3.3	18
43	Genome Engineering and Modification Toward Synthetic Biology for the Production of Antibiotics. <i>Medicinal Research Reviews</i> , 2018, 38, 229-260.	10.5	16
44	Single-molecule optical mapping of the distribution of DNA phosphorothioate epigenetics. <i>Nucleic Acids Research</i> , 2021, 49, 3672-3680.	14.5	16
45	SspABCD-SspFGH Constitutes a New Type of DNA Phosphorothioate-Based Bacterial Defense System. <i>MBio</i> , 2021, 12, .	4.1	15
46	VEGF stimulation enhances livin protein synthesis through mTOR signaling. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1114-1124.	2.6	14
47	Recent Advances in the Genomic Profiling of Bacterial Epigenetic Modifications. <i>Biotechnology Journal</i> , 2019, 14, e1800001.	3.5	14
48	Simultaneous Photodynamic Eradication of Tooth Biofilm and Tooth Whitening with an Aggregation-Induced Emission Luminogen. <i>Advanced Science</i> , 2022, 9, e2106071.	11.2	14
49	The pH Shift and Precursor Feeding Strategy in a Low-Toxicity FR-008/Candidicin Derivative CS103 Fermentation Bioprocess by a Mutant of <i>Streptomyces</i> sp. FR-008. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 673-686.	2.9	13
50	In Vivo Mutational Characterization of DndE Involved in DNA Phosphorothioate Modification. <i>PLoS ONE</i> , 2014, 9, e107981.	2.5	12
51	Targeting Myocardial Substrate Metabolism in the Failing Heart: Ready for Prime Time?. <i>Current Heart Failure Reports</i> , 2022, 19, 180-190.	3.3	11
52	Surgery-free video-oculography in mouse models: enabling quantitative and short-interval longitudinal assessment of vestibular function. <i>Neuroscience Letters</i> , 2019, 696, 212-218.	2.1	10
53	Tight control of genomic phosphorothioate modification by the ATP-modulated autoregulation and reusability of DndB. <i>Molecular Microbiology</i> , 2019, 111, 938-950.	2.5	9
54	Performance evaluation on coexistence of LTE with active antenna array systems. , 2012, , .		8

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55	Structural Analysis of an σ^70 -Cysteine Desulfurase from an Ssp DNA Phosphorothioation System. <i>MBio</i> , 2020, 11, .	4.1	8
56	Gemin5 plays a role in unassembled α -tubulin snRNA disposal in SMN-deficient cells. <i>FEBS Letters</i> , 2018, 592, 1400-1411.	2.8	7
57	The Biological Applications of Two Aggregation-Induced Emission Luminogens. <i>Biotechnology Journal</i> , 2019, 14, e1900212.	3.5	7
58	Advances in drug development for targeted therapies for glioblastoma. <i>Medicinal Research Reviews</i> , 2020, 40, 1950-1972.	10.5	7
59	Joint power allocation and relay selection for multi-hop cognitive network with ARQ. , 2012, , .		6
60	Dynamic cognitive processes of text-picture integration revealed by event-related potentials. <i>Brain Research</i> , 2020, 1726, 146513.	2.2	5
61	ALFM1, negatively regulated by miR-145-5p, aggravates hypoxia-induced cardiomyocyte injury. <i>Biomedical Journal</i> , 2022, 45, 870-882.	3.1	5
62	Effect of copper sulfate on biosynthesis of FR-008/Candididin complex production in <i>Streptomyces</i> sp.. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 2033-2039.	3.6	4
63	Interference mitigation and capacity optimization in cooperative public femtocell networks with cognitive enabled multi-element antennas. , 2012, , .		2
64	The effect of precisely defined associative distance and stimulus acquisition mode in individual creativity support systems. <i>Behaviour and Information Technology</i> , 2021, 40, 260-270.	4.0	2
65	Involvement of the DNA Phosphorothioation System in TorR Binding and Anaerobic TMAO Respiration in <i>Salmonella enterica</i> . <i>MBio</i> , 2022, , e0069922.	4.1	2
66	Research on energy optimization of wireless sensor networks based on MQAM modulation. , 2017, , .		1
67	Synthetische Genomik: von der DNA-Synthese zu Designer-Genomen. <i>Angewandte Chemie</i> , 2018, 130, 1764-1773.	2.0	1
68	Microfluidics-Assisted Fluorescence Mapping of DNA Phosphorothioation. <i>Analytical Chemistry</i> , 2022, 94, 10479-10486.	6.5	1