

Jiahai Shi

List of Publications by Year in descending order

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46
papers

2,522
citations

236833

25
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223716

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4577
citing authors

#	ARTICLE	IF	CITATIONS
1	Cas9-Based Local Enrichment and Genomics Sequence Revision of Megabase-Sized Shark IgNAR Loci. <i>Journal of Immunology</i> , 2022, 208, 181-189.	0.4	4
2	Surface-engineered extracellular vesicles for targeted delivery of therapeutic RNAs and peptides for cancer therapy. <i>Theranostics</i> , 2022, 12, 3288-3315.	4.6	22
3	Self-adaptive and efficient propulsion of Ray sperms at different viscosities enabled by heterogeneous dual helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
4	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. <i>Acta Biomaterialia</i> , 2021, 129, 245-257.	4.1	15
5	A multifunctional targeted nanoprobe with high NIR-II PAI/MRI performance for precise theranostics of orthotopic early-stage hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8779-8792.	2.9	15
6	Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4664-4671.	3.2	5
7	An erythrocyte-delivered photoactivatable oxaliplatin nanoprodru for enhanced antitumor efficacy and immune response. <i>Chemical Science</i> , 2021, 12, 14353-14362.	3.7	15
8	Wdr26 regulates nuclear condensation in developing erythroblasts. <i>Blood</i> , 2020, 135, 208-219.	0.6	43
9	Structurally- and dynamically-driven allostery of the chymotrypsin-like proteases of SARS, Dengue and Zika viruses. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 143, 52-66.	1.4	22
10	FAM210B is an erythropoietin target and regulates erythroid heme synthesis by controlling mitochondrial iron import and ferrochelatase activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 19797-19811.	1.6	30
11	De novo variant in KIF26B is associated with pontocerebellar hypoplasia with infantile spinal muscular atrophy. <i>American Journal of Medical Genetics, Part A</i> , 2018, 176, 2623-2629.	0.7	19
12	De novo ATP1A3 and compound heterozygous NLRP3 mutations in a child with autism spectrum disorder, episodic fatigue and somnolence, and muckle-wells syndrome. <i>Molecular Genetics and Metabolism Reports</i> , 2018, 16, 23-29.	0.4	12
13	Efficient RNA drug delivery using red blood cell extracellular vesicles. <i>Nature Communications</i> , 2018, 9, 2359.	5.8	402
14	<i>AIFM1</i> mutation presenting with fatal encephalomyopathy and mitochondrial disease in an infant. <i>Journal of Physical Education and Sports Management</i> , 2017, 3, a001560.	0.5	34
15	The Epithelial Sodium Channel Is a Modifier of the Long-Term Nonprogressive Phenotype Associated with F508del CFTR Mutations. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 711-720.	1.4	27
16	Novel mutation in <i>CNTNAP1</i> results in congenital hypomyelinating neuropathy. <i>Muscle and Nerve</i> , 2017, 55, 761-765.	1.0	15
17	Homozygous EEF1A2 mutation causes dilated cardiomyopathy, failure to thrive, global developmental delay, epilepsy and early death. <i>Human Molecular Genetics</i> , 2017, 26, 3545-3552.	1.4	27
18	Hyperammonemia as a Presenting Feature in Two Siblings with FBXL4 Variants. <i>JIMD Reports</i> , 2016, 35, 7-15.	0.7	9

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19	SLC6A1 Mutation and Ketogenic Diet in Epilepsy With Myoclonic-Atonic Seizures. <i>Pediatric Neurology</i> , 2016, 64, 77-79.	1.0	44
20	A novel de novo mutation in <i>ATP1A3</i> and childhood-onset schizophrenia. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001008.	0.5	46
21	JAK2 V617F stimulates proliferation of erythropoietin-dependent erythroid progenitors and delays their differentiation by activating Stat1 and other nonerythroid signaling pathways. <i>Experimental Hematology</i> , 2016, 44, 1044-1058.e5.	0.2	15
22	Clinical heterogeneity associated with KCNA1 mutations include cataplexy and nonataxic presentations. <i>Neurogenetics</i> , 2016, 17, 11-16.	0.7	26
23	Efficient CRISPR-Cas9 mediated gene disruption in primary erythroid progenitor cells. <i>Haematologica</i> , 2016, 101, e216-e219.	1.7	9
24	Mutations in the substrate binding glycine-rich loop of the mitochondrial processing peptidase-1± protein (PMPCA) cause a severe mitochondrial disease. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a000786.	0.5	33
25	A respiratory chain controlled signal transduction cascade in the mitochondrial intermembrane space mediates hydrogen peroxide signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5679-88.	3.3	58
26	X-linked macrocytic dyserythropoietic anemia in females with an ALAS2 mutation. <i>Journal of Clinical Investigation</i> , 2015, 125, 1665-1669.	3.9	43
27	Dynamically-Driven Enhancement of the Catalytic Machinery of the SARS 3C-Like Protease by the S284-T285-I286/A Mutations on the Extra Domain. <i>PLoS ONE</i> , 2014, 9, e101941.	1.1	71
28	Global discovery of erythroid long noncoding RNAs reveals novel regulators of red cell maturation. <i>Blood</i> , 2014, 123, 570-581.	0.6	181
29	Transcriptional divergence and conservation of human and mouse erythropoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4103-4108.	3.3	76
30	Engineered red blood cells as carriers for systemic delivery of a wide array of functional probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10131-10136.	3.3	168
31	Histones to the cytosol: exportin 7 is essential for normal terminal erythroid nuclear maturation. <i>Blood</i> , 2014, 124, 1931-1940.	0.6	51
32	Muscleblind-like 1 (Mbnl1) regulates pre-mRNA alternative splicing during terminal erythropoiesis. <i>Blood</i> , 2014, 124, 598-610.	0.6	46
33	Unique Structure and Dynamics of the EphA5 Ligand Binding Domain Mediate Its Binding Specificity as Revealed by X-ray Crystallography, NMR and MD Simulations. <i>PLoS ONE</i> , 2013, 8, e74040.	1.1	14
34	Structural, Stability, Dynamic and Binding Properties of the ALS-Causing T46I Mutant of the hVAPB MSP Domain as Revealed by NMR and MD Simulations. <i>PLoS ONE</i> , 2011, 6, e27072.	1.1	28
35	Dynamically-Driven Inactivation of the Catalytic Machinery of the SARS 3C-Like Protease by the N214A Mutation on the Extra Domain. <i>PLoS Computational Biology</i> , 2011, 7, e1001084.	1.5	49
36	Structural Characterization of the EphA4-Ephrin-B2 Complex Reveals New Features Enabling Eph-Ephrin Binding Promiscuity. <i>Journal of Biological Chemistry</i> , 2010, 285, 644-654.	1.6	84

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37	Elimination of the Native Structure and Solubility of the hVAPB MSP Domain by the Pro56Ser Mutation That Causes Amyotrophic Lateral Sclerosis. <i>Biochemistry</i> , 2010, 49, 3887-3897.	1.2	43
38	Structural characterization reveals that viperin is a radical S-adenosyl-l-methionine (SAM) enzyme. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1390-1395.	1.0	79
39	NMR structure and dynamics of human ephrinâ€² ectodomain: The functionally critical Câ€ƒ and Gâ€ƒH loops are highly dynamic in solution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 1019-1029.	1.5	20
40	Identification, recombinant production and structural characterization of four silk proteins from the Asiatic honeybee <i>Apis cerana</i> . <i>Biomaterials</i> , 2008, 29, 2820-2828.	5.7	44
41	Crystal Structure and NMR Binding Reveal That Two Small Molecule Antagonists Target the High Affinity Ephrin-binding Channel of the EphA4 Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 29473-29484.	1.6	66
42	Mechanism for Controlling the Dimer-Monomer Switch and Coupling Dimerization to Catalysis of the Severe Acute Respiratory Syndrome Coronavirus 3C-Like Protease. <i>Journal of Virology</i> , 2008, 82, 4620-4629.	1.5	137
43	Resurrecting Abandoned Proteins with Pure Water: CD and NMR Studies of Protein Fragments Solubilized in Salt-Free Water. <i>Biophysical Journal</i> , 2006, 91, 4201-4209.	0.2	47
44	The catalysis of the SARS 3C-like protease is under extensive regulation by its extra domain. <i>FEBS Journal</i> , 2006, 273, 1035-1045.	2.2	133
45	Dissection Study on the Severe Acute Respiratory Syndrome 3C-like Protease Reveals the Critical Role of the Extra Domain in Dimerization of the Enzyme. <i>Journal of Biological Chemistry</i> , 2004, 279, 24765-24773.	1.6	166
46	Structural characterization of the human Nogo-A functional domains. <i>FEBS Journal</i> , 2004, 271, 3512-3522.	0.2	19