Chaolin Zhang

List of Publications by Year
in descending order

53 papers	9,965 citations	185998 28 h-index	182168 51 g-index
59 all docs	59 docs citations	59 times ranked	18451 citing authors

#	Article	IF	Citations
1	Endothelial Notch signaling directly regulates the small GTPase RND1 to facilitate Notch suppression of endothelial migration. Scientific Reports, 2022, 12, 1655.	1.6	11
2	Influence of coal seam gas pressure on the propagation mechanism of outburst two-phase flow in visual roadway. Fuel, 2022, 322, 124296.	3.4	7
3	A new method for coal and gas outburst prediction and prevention based on the fragmentation of ejected coal. Fuel, 2021, 287, 119493.	3.4	70
4	Proteome-scale analysis of phase-separated proteins in immunofluorescence images. Briefings in Bioinformatics, 2021, 22, .	3.2	17
5	Complexity and graded regulation of neuronal cell-type–specific alternative splicing revealed by single-cell RNA sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
6	Vascular-derived SPARC and SerpinE1 regulate interneuron tangential migration and accelerate functional maturation of human stem cell-derived interneurons. ELife, 2021, 10, .	2.8	8
7	Gain of toxic function by long-term AAV9-mediated SMN overexpression in the sensorimotor circuit. Nature Neuroscience, 2021, 24, 930-940.	7.1	99
8	Comprehensive Cellular Dissection of the Bone Marrow Microenvironment in Primary Myelofibrosis. Blood, 2021, 138, 200-200.	0.6	0
9	Evolution characteristics of reservoir parameters during coalbed methane drainage via in-seam horizontal boreholes. Powder Technology, 2020, 362, 591-603.	2.1	10
10	The production schedule optimization of a multilayer superposed CBM system: An experimental study. Powder Technology, 2020, 373, 99-108.	2.1	18
11	Experimental Investigation on Mechanics and Seepage Characteristics of Tectonic and Intact Coal Containing Gas. Applied Sciences (Switzerland), 2020, 10, 7290.	1.3	7
12	Research on Temperature Variation during Coal and Gas Outbursts: Implications for Outburst Prediction in Coal Mines. Sensors, 2020, 20, 5526.	2.1	14
13	Experimental Study on the Gas Flow Characteristics and Pressure Relief Gas Drainage Effect under Different Unloading Stress Paths. Geofluids, 2020, 2020, 1-10.	0.3	3
14	Different adsorbed gas effects on the reservoir parameters and production in coalbed methane extraction by multibranch horizontal wells. Energy Science and Engineering, 2020, 8, 1370-1385.	1.9	9
15	Brain Translation: A Feather Tips the Scale. Molecular Cell, 2020, 77, 1155-1156.	4.5	0
16	Alternative splicing at neuroligin site A regulates glycan interaction and synaptogenic activity. ELife, 2020, 9, .	2.8	10
17	Modeling RNA-Binding Protein Specificity In Vivo by Precisely Registering Protein-RNA Crosslink Sites. Molecular Cell, 2019, 74, 1189-1204.e6.	4.5	75
18	The Splicing Code Goes Deep. Cell, 2019, 176, 414-416.	13.5	21

#	ARTICLE	IF	CITATIONS
19	Stage-specific requirement for Mettl3-dependent m6A mRNA methylation during haematopoietic stem cell differentiation. Nature Cell Biology, 2019, 21, 700-709.	4.6	172
20	A Role for Sensory end Organ-Derived Signals in Regulating Muscle Spindle Proprioceptor Phenotype. Journal of Neuroscience, 2019, 39, 4252-4267.	1.7	27
21	Experimental study of drainage radius considering borehole interaction based on 3D monitoring of gas pressure in coal. Fuel, 2019, 239, 955-963.	3.4	30
22	A Novel Large-Scale Multifunctional Apparatus to Study the Disaster Dynamics and Gas Flow Mechanism in Coal Mines. Rock Mechanics and Rock Engineering, 2019, 52, 2889-2898.	2.6	39
23	Systematic reconstruction of autism biology from massive genetic mutation profiles. Science Advances, 2018, 4, e1701799.	4.7	43
24	Rbfox Splicing Factors Promote Neuronal Maturation and Axon Initial Segment Assembly. Neuron, 2018, 97, 853-868.e6.	3.8	90
25	Capturing the interactome of newly transcribed RNA. Nature Methods, 2018, 15, 213-220.	9.0	170
26	Dynamic Evolution of Coal Reservoir Parameters in CBM Extraction by Parallel Boreholes Along Coal Seam. Transport in Porous Media, 2018, 124, 325-343.	1.2	27
27	DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. Cell Reports, 2018, 25, 1225-1240.e6.	2.9	66
28	LIN28 Selectively Modulates a Subclass of Let-7 MicroRNAs. Molecular Cell, 2018, 71, 271-283.e5.	4.5	89
29	Cell type-specific CLIP reveals that NOVA regulates cytoskeleton interactions in motoneurons. Genome Biology, 2018, 19, 117.	3.8	19
30	Dynamic behavior of gas pressure and optimization of borehole length in stress relaxation zone during coalbed methane production. Fuel, 2018, 233, 816-824.	3.4	41
31	Precise temporal regulation of alternative splicing during neural development. Nature Communications, 2018, 9, 2189.	5.8	155
32	CLIP Tool Kit (CTK): a flexible and robust pipeline to analyze CLIP sequencing data. Bioinformatics, 2017, 33, 566-567.	1.8	130
33	Microexons: discovery, regulation, and function. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1418.	3.2	56
34	Regression analysis of major parameters affecting the intensity of coal and gas outbursts in laboratory. International Journal of Mining Science and Technology, 2017, 27, 327-332.	4.6	43
35	Computational model and time–space evolution of gas pressure for different borehole lengths in coalbed methane drainage. Journal of Geophysics and Engineering, 2017, 14, 586-598.	0.7	3
36	The Evolution of Parameters During CBM Drainage in Different Regions. Transport in Porous Media, 2017, 120, 83-100.	1.2	18

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37	Temporal and Spatial Evolutions of Permeability During CBM Drainage Under Different Initial Conditions. Transport in Porous Media, 2017, 116, 645-662.	1.2	12
38	A Cell Type-Specific Expression Signature Predicts Haploinsufficient Autism-Susceptibility Genes. Human Mutation, 2017, 38, 204-215.	1.1	38
39	Large-scale physical modelling of carbon dioxide injection and gas flow in coal matrix. Powder Technology, 2016, 294, 449-453.	2.1	8
40	mCarts: Genome-Wide Prediction of Clustered Sequence Motifs as Binding Sites for RNA-Binding Proteins. Methods in Molecular Biology, 2016, 1421, 215-226.	0.4	16
41	Systematic discovery of regulated and conserved alternative exons in the mammalian brain reveals NMD modulating chromatin regulators. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3445-3450.	3.3	131
42	mRIN for direct assessment of genome-wide and gene-specific mRNA integrity from large-scale RNA-sequencing data. Nature Communications, 2015, 6, 7816.	5.8	59
43	MBNL Sequestration by Toxic RNAs and RNA Misprocessing in the Myotonic Dystrophy Brain. Cell Reports, 2015, 12, 1159-1168.	2.9	120
44	HITS-CLIP and Integrative Modeling Define the Rbfox Splicing-Regulatory Network Linked to Brain Development and Autism. Cell Reports, 2014, 6, 1139-1152.	2.9	326
45	Mapping Argonaute and conventional RNA-binding protein interactions with RNA at single-nucleotide resolution using HITS-CLIP and CIMS analysis. Nature Protocols, 2014, 9, 263-293.	5.5	272
46	Loss of MBNL Leads to Disruption of Developmentally Regulated Alternative Polyadenylation in RNA-Mediated Disease. Molecular Cell, 2014, 56, 311-322.	4.5	248
47	An RNA-Sequencing Transcriptome and Splicing Database of Glia, Neurons, and Vascular Cells of the Cerebral Cortex. Journal of Neuroscience, 2014, 34, 11929-11947.	1.7	4,119
48	Prediction of clustered RNA-binding protein motif sites in the mammalian genome. Nucleic Acids Research, 2013, 41, 6793-6807.	6.5	64
49	OLego: fast and sensitive mapping of spliced mRNA-Seq reads using small seeds. Nucleic Acids Research, 2013, 41, 5149-5163.	6.5	116
50	Muscleblind-like 2-Mediated Alternative Splicing in the Developing Brain and Dysregulation in Myotonic Dystrophy. Neuron, 2012, 75, 437-450.	3.8	296
51	FMRP Stalls Ribosomal Translocation on mRNAs Linked to Synaptic Function and Autism. Cell, 2011, 146, 247-261.	13.5	1,864
52	Mapping in vivo protein-RNA interactions at single-nucleotide resolution from HITS-CLIP data. Nature Biotechnology, 2011, 29, 607-614.	9.4	384
53	Integrative Modeling Defines the Nova Splicing-Regulatory Network and Its Combinatorial Controls. Science, 2010, 329, 439-443.	6.0	261