

Min Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

3,631
citations

29
h-index

57
g-index

145
ext. papers

4,807
ext. citations

6.1
avg, IF

5.88
L-index

#	Paper	IF	Citations
134	Viral metagenomics unveiled extensive communications of viruses within giant pandas and their associated organisms in the same ecosystem.. <i>Science of the Total Environment</i> , 2022 , 153317	10.2	0
133	Comparison of Protective Effects of Shenmai Injections Produced by Medicinal Materials from Different Origins on Cardiomyocytes.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 7205476	2.3	
132	Bioinformatic investigation and functional analysis of 214 hereditary genes identified non-coding RNAs as therapeutic tool for breast cancer management. <i>Gene Reports</i> , 2022 , 27, 101565	1.4	
131	Virome in the cloaca of wild and breeding birds revealed a diversity of significant viruses.. <i>Microbiome</i> , 2022 , 10, 60	16.6	3
130	A stop-gain mutation in GXYLT1 promotes metastasis of colorectal cancer via the MAPK pathway.. <i>Cell Death and Disease</i> , 2022 , 13, 395	9.8	0
129	Actin Dynamics as a Multiscale Integrator of Cellular Guidance Cues.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 873567	5.7	1
128	Analysis of rhodopsin G protein-coupled receptor orthologs reveals semiochemical peptides for parasite (<i>Schistosoma mansoni</i>) and host (<i>Biomphalaria glabrata</i>) interplay.. <i>Scientific Reports</i> , 2022 , 12, 8243	4.9	0
127	Virome in Fecal Samples From Wild Giant Pandas (). <i>Frontiers in Veterinary Science</i> , 2021 , 8, 767494	3.1	1
126	Electrically synchronizing and modulating the dynamics of ERK activation to regulate cell fate. <i>iScience</i> , 2021 , 24, 103240	6.1	0
125	Online database for brain cancer-implicated genes: exploring the subtype-specific mechanisms of brain cancer. <i>BMC Genomics</i> , 2021 , 22, 458	4.5	0
124	Electric signals counterbalanced posterior vs anterior PTEN signaling in directed migration of <i>Dictyostelium</i> . <i>Cell and Bioscience</i> , 2021 , 11, 111	9.8	0
123	Identification of consistent post-translational regulatory triplets related to oncogenic and tumour suppressive modulators in childhood acute lymphoblastic leukemia. <i>PeerJ</i> , 2021 , 9, e11803	3.1	
122	Physiological electric fields induce directional migration of mammalian cranial neural crest cells. <i>Developmental Biology</i> , 2021 , 471, 97-105	3.1	1
121	circExp database: an online transcriptome platform for human circRNA expressions in cancers. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	3
120	Pathogenic Effects of Mineralocorticoid Pathway Activation in Retinal Pigment Epithelium. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
119	Salidroside attenuates acute lung injury via inhibition of inflammatory cytokine production. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 142, 111949	7.5	6
118	Investigations on T cell transmigration in a human skin-on-chip (SoC) model. <i>Lab on A Chip</i> , 2021 , 21, 1527-1539	5.5	5

117	Coordinated Damping Control Design for Power System With Multiple Virtual Synchronous Generators Based on Prony Method. <i>IEEE Open Access Journal of Power and Energy</i> , 2021 , 8, 316-328	3.8	2
116	Mutational analysis revealed 97 key cancer metastasis genes from extracellular vesicles associated with patient survival. <i>Meta Gene</i> , 2020 , 26, 100781	0.7	
115	Proton magnetic resonance spectroscopy in substance use disorder: recent advances and future clinical applications. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
114	Electric Fields at Breast Cancer and Cancer Cell Collective Galvanotaxis. <i>Scientific Reports</i> , 2020 , 10, 87124.9	4.9	6
113	Exploring the role of post-translational modulators of transcription factors in triple-negative breast cancer gene expression. <i>Meta Gene</i> , 2020 , 24, 100681	0.7	
112	Biomedical applications of electrical stimulation. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 2681-2699	10.3	20
111	Real-time physiological measurements of oxygen using a non-invasive self-referencing optical fiber microsensor. <i>Nature Protocols</i> , 2020 , 15, 207-235	18.8	8
110	The Use of Electrotherapeutics in Ophthalmology. <i>American Journal of Ophthalmology</i> , 2020 , 211, 4-14	4.9	2
109	Intracranial alternating current stimulation facilitates neurogenesis in a mouse model of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 89	9	1
108	circVAR database: genome-wide archive of genetic variants for human circular RNAs. <i>BMC Genomics</i> , 2020 , 21, 750	4.5	4
107	Comparative study of excretory-secretory proteins released by <i>Schistosoma mansoni</i> -resistant, susceptible and naïve <i>Biomphalaria glabrata</i> . <i>Parasites and Vectors</i> , 2019 , 12, 452	4	6
106	The bioinformatics tools for the genome assembly and analysis based on third-generation sequencing. <i>Briefings in Functional Genomics</i> , 2019 , 18, 1-12	4.9	23
105	Nonselective Cyclooxygenase Inhibition Retards Cyst Progression in a Murine Model of Autosomal Dominant Polycystic Kidney Disease. <i>International Journal of Medical Sciences</i> , 2019 , 16, 180-188	3.7	5
104	Cell migration directionality and speed are independently regulated by RasG and G1n cells in electrotaxis. <i>Biology Open</i> , 2019 , 8,	2.2	7
103	Ocular biocompatibility of dexamethasone acetate loaded poly(e-caprolactone) nanofibers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 142, 20-30	5.7	19
102	Expression of integrins to control migration direction of electrotaxis. <i>FASEB Journal</i> , 2019 , 33, 9131-9140	6.9	11
101	Infection-generated electric field in gut epithelium drives bidirectional migration of macrophages. <i>PLoS Biology</i> , 2019 , 17, e3000044	9.7	14
100	Multi-omics investigations within the Phylum Mollusca, Class Gastropoda: from ecological application to breakthrough phylogenomic studies. <i>Briefings in Functional Genomics</i> , 2019 , 18, 377-394	4.9	2

99	Integrative analysis of common genes and driver mutations implicated in hormone stimulation for four cancers in women. <i>PeerJ</i> , 2019 , 7, e6872	3.1	8
98	Genetic links between endometriosis and cancers in women. <i>PeerJ</i> , 2019 , 7, e8135	3.1	6
97	The pan-cancer analysis of gain-of-functional mutations to identify the common oncogenic signatures in multiple cancers. <i>Gene</i> , 2019 , 697, 57-66	3.8	2
96	Greenlip Abalone () Genome and Protein Analysis Provides Insights into Maturation and Spawning. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 3067-3078	3.2	5
95	dbEMT 2.0: An updated database for epithelial-mesenchymal transition genes with experimentally verified information and precalculated regulation information for cancer metastasis. <i>Journal of Genetics and Genomics</i> , 2019 , 46, 595-597	4	16
94	Tertiary water striders (Hemiptera, Gerromorpha, Gerridae) from the central Tibetan Plateau and their palaeobiogeographic implications. <i>Journal of Asian Earth Sciences</i> , 2019 , 175, 121-127	2.8	12
93	Identification of novel prognosis-related genes associated with cancer using integrative network analysis. <i>Scientific Reports</i> , 2018 , 8, 3233	4.9	8
92	Whorl pattern keratopathies in veterinary and human patients. <i>Veterinary Ophthalmology</i> , 2018 , 21, 661-667	4.7	4
91	eSnail: A transcriptome-based molecular resource of the central nervous system for terrestrial gastropods. <i>Molecular Ecology Resources</i> , 2018 , 18, 147-158	8.4	3
90	CIGene: a literature-based online resource for cancer initiation genes. <i>BMC Genomics</i> , 2018 , 19, 552	4.5	
89	Electrically stimulated cell migration and its contribution to wound healing. <i>Burns and Trauma</i> , 2018 , 6, 20	5.3	62
88	dbLGL: an online leukemia gene and literature database for the retrospective comparison of adult and childhood leukemia genetics with literature evidence. <i>Database: the Journal of Biological Databases and Curation</i> , 2018 , 2018,	5	2
87	A Comparison Study of Working Memory Deficits between Patients with Methamphetamine-Associated Psychosis and Patients with Schizophrenia. <i>Shanghai Archives of Psychiatry</i> , 2018 , 30, 168-177		3
86	Integrative proteomic analysis reveals potential high-frequency alternative open reading frame-encoded peptides in human colorectal cancer. <i>Life Sciences</i> , 2018 , 215, 182-189	6.8	3
85	The genome of the oyster <i>Saccostrea</i> offers insight into the environmental resilience of bivalves. <i>DNA Research</i> , 2018 , 25, 655-665	4.5	44
84	A pan-cancer study of copy number gain and up-regulation in human oncogenes. <i>Life Sciences</i> , 2018 , 211, 206-214	6.8	10
83	Early redox activities modulate <i>Xenopus</i> tail regeneration. <i>Nature Communications</i> , 2018 , 9, 4296	17.4	35
82	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. <i>Nature Communications</i> , 2017 , 8, 15451	17.4	138

81	CMGene: A literature-based database and knowledge resource for cancer metastasis genes. <i>Journal of Genetics and Genomics</i> , 2017 , 44, 277-279	4	6
80	The neuropeptidome of the Crown-of-Thorns Starfish, <i>Acanthaster planci</i> . <i>Journal of Proteomics</i> , 2017 , 165, 61-68	3.9	25
79	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. <i>Nature</i> , 2017 , 544, 231-234	50.4	90
78	ONGene: A literature-based database for human oncogenes. <i>Journal of Genetics and Genomics</i> , 2017 , 44, 119-121	4	109
77	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn (<i>Machrobrachium rosenbergii</i>). <i>PLoS ONE</i> , 2017 , 12, e0177064	3.7	11
76	Evidence for a Saponin Biosynthesis Pathway in the Body Wall of the Commercially Significant Sea Cucumber <i>Holothuria scabra</i> . <i>Marine Drugs</i> , 2017 , 15,	6	16
75	Multimiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. <i>Scientific Reports</i> , 2017 , 7, 6000	4.9	14
74	Copy number alteration of neuropeptides and receptors in multiple cancers. <i>Scientific Reports</i> , 2017 , 7, 4598	4.9	5
73	Changes in the neuropeptide content of <i>Biomphalaria</i> ganglia nervous system following <i>Schistosoma</i> infection. <i>Parasites and Vectors</i> , 2017 , 10, 275	4	18
72	Integrative analysis to identify oncogenic gene expression changes associated with copy number variations of enhancer in ovarian cancer. <i>Oncotarget</i> , 2017 , 8, 91558-91567	3.3	4
71	Mutational analysis of driver genes with tumor suppressive and oncogenic roles in gastric cancer. <i>PeerJ</i> , 2017 , 5, e3585	3.1	4
70	Constructing a comprehensive gene co-expression based interactome in. <i>PeerJ</i> , 2017 , 5, e4107	3.1	5
69	Systematic review of next-generation sequencing simulators: computational tools, features and perspectives. <i>Briefings in Functional Genomics</i> , 2017 , 16, 121-128	4.9	18
68	Concordance of copy number loss and down-regulation of tumor suppressor genes: a pan-cancer study. <i>BMC Genomics</i> , 2016 , 17 Suppl 7, 532	4.5	28
67	Meta-analysis of gene expression studies in endometrial cancer identifies gene expression profiles associated with aggressive disease and patient outcome. <i>Scientific Reports</i> , 2016 , 6, 36677	4.9	28
66	Early bioelectric activities mediate redox-modulated regeneration. <i>Development (Cambridge)</i> , 2016 , 143, 4582-4594	6.6	35
65	REGene: a literature-based knowledgebase of animal regeneration that bridge tissue regeneration and cancer. <i>Scientific Reports</i> , 2016 , 6, 23167	4.9	12
64	An Experimental Model for Simultaneous Study of Migration of Cell Fragments, Single Cells, and Cell Sheets. <i>Methods in Molecular Biology</i> , 2016 , 1407, 251-72	1.4	2

63	InCaNet: pan-cancer co-expression network for human lncRNA and cancer genes. <i>Bioinformatics</i> , 2016 , 32, 1595-7	7.2	49
62	CSGene: a literature-based database for cell senescence genes and its application to identify critical cell aging pathways and associated diseases. <i>Cell Death and Disease</i> , 2016 , 7, e2053	9.8	24
61	TSGene 2.0: an updated literature-based knowledgebase for tumor suppressor genes. <i>Nucleic Acids Research</i> , 2016 , 44, D1023-31	20.1	189
60	Critical Genomic Networks and Vasoreactive Variants in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 464-75	10.2	52
59	Proteomic Analysis of the Schistosoma mansoni Miracidium. <i>PLoS ONE</i> , 2016 , 11, e0147247	3.7	25
58	Expression of epithelial-mesenchymal transition-related genes increases with copy number in multiple cancer types. <i>Oncotarget</i> , 2016 , 7, 24688-99	3.3	11
57	dbCPG: A web resource for cancer predisposition genes. <i>Oncotarget</i> , 2016 , 7, 37803-37811	3.3	3
56	GCGene: a gene resource for gastric cancer with literature evidence. <i>Oncotarget</i> , 2016 , 7, 33983-93	3.3	1
55	Bioactive Glass Nanoparticles-Loaded Poly(e-caprolactone) Nanofiber as Substrate for ARPE-19 Cells. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-12	3.2	6
54	GPCR and IR genes in Schistosoma mansoni miracidia. <i>Parasites and Vectors</i> , 2016 , 9, 563	4	10
53	Proteomic analysis of the venom and venom sac of the woodwasp, Sirex noctilio - Towards understanding its biological impact. <i>Journal of Proteomics</i> , 2016 , 146, 195-206	3.9	16
52	A gene browser of colorectal cancer with literature evidence and pre-computed regulatory information to identify key tumor suppressors and oncogenes. <i>Scientific Reports</i> , 2016 , 6, 30624	4.9	3
51	Concordance between somatic copy number loss and down-regulated expression: A pan-cancer study of cancer predisposition genes. <i>Scientific Reports</i> , 2016 , 6, 37358	4.9	11
50	Multi-tissue transcriptomics for construction of a comprehensive gene resource for the terrestrial snail Theba pisana. <i>Scientific Reports</i> , 2016 , 6, 20685	4.9	7
49	ECGene: A Literature-Based Knowledgebase of Endometrial Cancer Genes. <i>Human Mutation</i> , 2016 , 37, 337-43	4.7	12
48	Gonadotropin-releasing hormone and adipokinetic hormone/corazonin-related peptide in the female prawn. <i>General and Comparative Endocrinology</i> , 2016 , 236, 70-82	3	18
47	Literature-based knowledgebase of pancreatic cancer gene to prioritize the key genes and pathways. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 569-571	4	4
46	Pedican: an online gene resource for pediatric cancers with literature evidence. <i>Scientific Reports</i> , 2015 , 5, 11435	4.9	7

45	Early Miocene elevation in northern Tibet estimated by palaeobotanical evidence. <i>Scientific Reports</i> , 2015 , 5, 10379	4.9	34
44	KCNJ15/Kir4.2 couples with polyamines to sense weak extracellular electric fields in galvanotaxis. <i>Nature Communications</i> , 2015 , 6, 8532	17.4	56
43	A new CRB1 rat mutation links Müller glial cells to retinal telangiectasia. <i>Journal of Neuroscience</i> , 2015 , 35, 6093-106	6.6	40
42	Biomimetic stochastic topography and electric fields synergistically enhance directional migration of corneal epithelial cells in a MMP-3-dependent manner. <i>Acta Biomaterialia</i> , 2015 , 12, 102-112	10.8	17
41	dbEMT: an epithelial-mesenchymal transition associated gene resource. <i>Scientific Reports</i> , 2015 , 5, 11459	4.9	85
40	An evidence-based knowledgebase of metastasis suppressors to identify key pathways relevant to cancer metastasis. <i>Scientific Reports</i> , 2015 , 5, 15478	4.9	15
39	In silico Neuropeptidome of Female <i>Macrobrachium rosenbergii</i> Based on Transcriptome and Peptide Mining of Eyestalk, Central Nervous System and Ovary. <i>PLoS ONE</i> , 2015 , 10, e0123848	3.7	74
38	METSP: a maximum-entropy classifier based text mining tool for transporter-substrate identification with semistructured text. <i>BioMed Research International</i> , 2015 , 2015, 254838	3	3
37	Cellular metabolic network analysis: discovering important reactions in <i>Treponema pallidum</i> . <i>BioMed Research International</i> , 2015 , 2015, 328568	3	5
36	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. <i>BMC Genomics</i> , 2015 , 16, 308	4.5	44
35	A large-scale screen reveals genes that mediate electrotaxis in <i>Dictyostelium discoideum</i> . <i>Science Signaling</i> , 2015 , 8, ra50	8.8	26
34	OCCGene: a database of experimentally verified ovarian cancer-related genes with precomputed regulation information. <i>Cell Death and Disease</i> , 2015 , 6, e2036	9.8	12
33	Rare variants in RTEL1 are associated with familial interstitial pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 646-55	10.2	131
32	Deciphering Signaling Pathway Networks to Understand the Molecular Mechanisms of Metformin Action. <i>PLoS Computational Biology</i> , 2015 , 11, e1004202	5	15
31	The Electrical Response to Injury: Molecular Mechanisms and Wound Healing. <i>Advances in Wound Care</i> , 2014 , 3, 184-201	4.8	74
30	An evidence-based knowledgebase of pulmonary arterial hypertension to identify genes and pathways relevant to pathogenesis. <i>Molecular BioSystems</i> , 2014 , 10, 732-40		14
29	NHE3 phosphorylation via PKC marks the polarity and orientation of directionally migrating cells. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 4653-4663	10.3	10
28	Reproducible combinatorial regulatory networks elucidate novel oncogenic microRNAs in non-small cell lung cancer. <i>Rna</i> , 2014 , 20, 1356-68	5.8	42

27	A systems biology approach to identify intelligence quotient score-related genomic regions, and pathways relevant to potential therapeutic treatments. <i>Scientific Reports</i> , 2014 , 4, 4176	4.9	7
26	Neuropeptides encoded by the genomes of the Akoya pearl oyster <i>Pinctata fucata</i> and Pacific oyster <i>Crassostrea gigas</i> : a bioinformatic and peptidomic survey. <i>BMC Genomics</i> , 2014 , 15, 840	4.5	68
25	A risk evaluation model of cervical cancer based on etiology and human leukocyte antigen allele susceptibility. <i>International Journal of Infectious Diseases</i> , 2014 , 28, 8-12	10.5	8
24	3D arrays for high throughput assay of cell migration and electrotaxis. <i>Cell Biology International</i> , 2014 , 38, 987-987	4.5	1
23	Increased dietary sodium induces COX2 expression by activating NFB in renal medullary interstitial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2014 , 466, 357-367	4.6	13
22	Human transporter database: comprehensive knowledge and discovery tools in the human transporter genes. <i>PLoS ONE</i> , 2014 , 9, e88883	3.7	17
21	Computational tools for copy number variation (CNV) detection using next-generation sequencing data: features and perspectives. <i>BMC Bioinformatics</i> , 2013 , 14 Suppl 11, S1	3.6	334
20	Synergetic regulatory networks mediated by oncogene-driven microRNAs and transcription factors in serous ovarian cancer. <i>Molecular BioSystems</i> , 2013 , 9, 3187-98		35
19	EDdb: a web resource for eating disorder and its application to identify an extended adipocytokine signaling pathway related to eating disorder. <i>Science China Life Sciences</i> , 2013 , 56, 1086-96	8.5	20
18	Characterization of schizophrenia adverse drug interactions through a network approach and drug classification. <i>BioMed Research International</i> , 2013 , 2013, 458989	3	10
17	TSGene: a web resource for tumor suppressor genes. <i>Nucleic Acids Research</i> , 2013 , 41, D970-6	20.1	242
16	IQdb: an intelligence quotient score-associated gene resource for human intelligence. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat063	5	13
15	CNVannotator: a comprehensive annotation server for copy number variation in the human genome. <i>PLoS ONE</i> , 2013 , 8, e80170	3.7	20
14	Distinct and competitive regulatory patterns of tumor suppressor genes and oncogenes in ovarian cancer. <i>PLoS ONE</i> , 2012 , 7, e44175	3.7	24
13	Comprehensive analyses of tumor suppressor genes in protein-protein interaction networks: A topological perspective 2012 ,		1
12	AutismKB: an evidence-based knowledgebase of autism genetics. <i>Nucleic Acids Research</i> , 2012 , 40, D1016-22	6.22	129
11	TSdb: a database of transporter substrates linking metabolic pathways and transporter systems on a genome scale via their shared substrates. <i>Science China Life Sciences</i> , 2011 , 54, 60-4	8.5	23
10	High similarity of phylogenetic profiles of rate-limiting enzymes with inhibitory relation in Human, Mouse, Rat, budding Yeast and E. coli. <i>BMC Genomics</i> , 2011 , 12 Suppl 3, S10	4.5	10

9	First insight into the human liver proteome from PROTEOME(SKY)-LIVER(Hu) 1.0, a publicly available database. <i>Journal of Proteome Research</i> , 2010 , 9, 79-94	5.6	35
8	PathLocdb: a comprehensive database for the subcellular localization of metabolic pathways and its application to multiple localization analysis. <i>BMC Genomics</i> , 2010 , 11 Suppl 4, S13	4.5	19
7	Electrical Activation of Wound-Healing Pathways. <i>Advances in Skin and Wound Care</i> , 2010 , 1, 567-573	1.5	35
6	Human liver rate-limiting enzymes influence metabolic flux via branch points and inhibitors. <i>BMC Genomics</i> , 2009 , 10 Suppl 3, S31	4.5	15
5	RLEdb: a database of rate-limiting enzymes and their regulation in human, rat, mouse, yeast and E. coli. <i>Cell Research</i> , 2009 , 19, 793-5	24.7	34
4	Electrical fields in wound healing-An overriding signal that directs cell migration. <i>Seminars in Cell and Developmental Biology</i> , 2009 , 20, 674-82	7.5	363
3	Use of poloxamers for deswelling of organ-cultured corneas. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 550-9		25
2	SynDB: a Synapse protein DataBase based on synapse ontology. <i>Nucleic Acids Research</i> , 2007 , 35, D737-41	10.1	38
1	Mindfulness-Based Intervention on Chinese Patients with Amphetamine-Type Stimulant Use Disorders: an EEG Functional Connectivity Study. <i>Mindfulness</i> , 1	2.9	