## Min Zhao

## List of Publications by Year in descending order

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109137 98622 5,531 139 35 67 citations h-index g-index papers 145 145 145 9074 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Electrical fields in wound healing—An overriding signal that directs cell migration. Seminars in Cell and Developmental Biology, 2009, 20, 674-682.	2.3	462
2	Computational tools for copy number variation (CNV) detection using next-generation sequencing data: features and perspectives. BMC Bioinformatics, 2013, 14, S1.	1.2	452
3	TSGene 2.0: an updated literature-based knowledgebase for tumor suppressor genes. Nucleic Acids Research, 2016, 44, D1023-D1031.	6.5	332
4	TSGene: a web resource for tumor suppressor genes. Nucleic Acids Research, 2013, 41, D970-D976.	6.5	295
5	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	5.8	216
6	ONGene: A literature-based database for human oncogenes. Journal of Genetics and Genomics, 2017, 44, 119-121.	1.7	212
7	Rare Variants in <i>RTEL1</i> Are Associated with Familial Interstitial Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 646-655.	2.5	170
8	AutismKB: an evidence-based knowledgebase of autism genetics. Nucleic Acids Research, 2012, 40, D1016-D1022.	6.5	157
9	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	13.7	157
10	dbEMT: an epithelial-mesenchymal transition associated gene resource. Scientific Reports, 2015, 5, 11459.	1.6	117
11	Electrically stimulated cell migration and its contribution to wound healing. Burns and Trauma, 2018, 6, 20.	2.3	116
12	In silico Neuropeptidome of Female Macrobrachium rosenbergii Based on Transcriptome and Peptide Mining of Eyestalk, Central Nervous System and Ovary. PLoS ONE, 2015, 10, e0123848.	1.1	113
13	The Electrical Response to Injury: Molecular Mechanisms and Wound Healing. Advances in Wound Care, 2014, 3, 184-201.	2.6	110
14	The genome of the oyster <i>Saccostrea</i> offers insight into the environmental resilience of bivalves. DNA Research, 2018, 25, 655-665.	1.5	92
15	Neuropeptides encoded by the genomes of the Akoya pearl oyster Pinctata fucata and Pacific oyster Crassostrea gigas: a bioinformatic and peptidomic survey. BMC Genomics, 2014, 15, 840.	1.2	88
16	KCNJ15/Kir4.2 couples with polyamines to sense weak extracellular electric fields in galvanotaxis. Nature Communications, 2015, 6, 8532.	5.8	83
17	Biomedical applications of electrical stimulation. Cellular and Molecular Life Sciences, 2020, 77, 2681-2699.	2.4	<b>7</b> 5
18	InCaNet: pan-cancer co-expression network for human IncRNA and cancer genes. Bioinformatics, 2016, 32, 1595-1597.	1.8	71

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19	Critical Genomic Networks and Vasoreactive Variants in Idiopathic Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 464-475.	2.5	69
20	The neuropeptidome of the Crown-of-Thorns Starfish, Acanthaster planci. Journal of Proteomics, 2017, 165, 61-68.	1.2	58
21	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. BMC Genomics, 2015, 16, 308.	1.2	56
22	Early redox activities modulate Xenopus tail regeneration. Nature Communications, 2018, 9, 4296.	5.8	56
23	dbEMT 2.0: An updated database for epithelial-mesenchymal transition genes with experimentally verified information and precalculated regulation information for cancer metastasis. Journal of Genetics and Genomics, 2019, 46, 595-597.	1.7	56
24	A New CRB1 Rat Mutation Links MÃ $\frac{1}{4}$ ller Glial Cells to Retinal Telangiectasia. Journal of Neuroscience, 2015, 35, 6093-6106.	1.7	54
25	Early Miocene elevation in northern Tibet estimated by palaeobotanical evidence. Scientific Reports, 2015, 5, 10379.	1.6	52
26	Early bioelectric activities mediate redox-modulated regeneration. Development (Cambridge), 2016, 143, 4582-4594.	1.2	50
27	CSGene: a literature-based database for cell senescence genes and its application to identify critical cell aging pathways and associated diseases. Cell Death and Disease, 2016, 7, e2053-e2053.	2.7	49
28	Meta-analysis of gene expression studies in endometrial cancer identifies gene expression profiles associated with aggressive disease and patient outcome. Scientific Reports, 2016, 6, 36677.	1.6	48
29	Reproducible combinatorial regulatory networks elucidate novel oncogenic microRNAs in non-small cell lung cancer. Rna, 2014, 20, 1356-1368.	1.6	47
30	Electrical Activation of Wound-Healing Pathways. Advances in Skin and Wound Care, 2010, 1, 567-573.	0.5	44
31	SynDB: a Synapse protein DataBase based on synapse ontology. Nucleic Acids Research, 2007, 35, D737-D741.	6.5	43
32	RLEdb: a database of rate-limiting enzymes and their regulation in human, rat, mouse, yeast and E. coli. Cell Research, 2009, 19, 793-795.	5.7	41
33	First Insight into the Human Liver Proteome from PROTEOME <sup>SKY</sup> -LIVER <sup>Hu</sup> 1.0, a Publicly Available Database. Journal of Proteome Research, 2010, 9, 79-94.	1.8	40
34	Synergetic regulatory networks mediated by oncogene-driven microRNAs and transcription factors in serous ovarian cancer. Molecular BioSystems, 2013, 9, 3187.	2.9	40
35	A large-scale screen reveals genes that mediate electrotaxis in <i>Dictyostelium discoideum</i> . Science Signaling, 2015, 8, ra50.	1.6	39
36	Concordance of copy number loss and down-regulation of tumor suppressor genes: a pan-cancer study. BMC Genomics, 2016, 17, 532.	1.2	37

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37	EDdb: A web resource for eating disorder and its application to identify an extended adipocytokine signaling pathway related to eating disorder. Science China Life Sciences, 2013, 56, 1086-1096.	2.3	36
38	Gonadotropin-releasing hormone and adipokinetic hormone/corazonin-related peptide in the female prawn. General and Comparative Endocrinology, 2016, 236, 70-82.	0.8	36
39	Ocular biocompatibility of dexamethasone acetate loaded poly(É)-caprolactone) nanofibers. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 20-30.	2.0	36
40	Proteomic Analysis of the Schistosoma mansoni Miracidium. PLoS ONE, 2016, 11, e0147247.	1.1	34
41	Virome in the cloaca of wild and breeding birds revealed a diversity of significant viruses. Microbiome, 2022, 10, 60.	4.9	32
42	The bioinformatics tools for the genome assembly and analysis based on third-generation sequencing. Briefings in Functional Genomics, 2019, 18, 1-12.	1.3	31
43	Systematic review of next-generation sequencing simulators: computational tools, features and perspectives. Briefings in Functional Genomics, 2017, 16, elw012.	1.3	28
44	Multiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. Scientific Reports, 2017, 7, 6000.	1.6	28
45	Infection-generated electric field in gut epithelium drives bidirectional migration of macrophages. PLoS Biology, 2019, 17, e3000044.	2.6	28
46	Use of Poloxamers for Deswelling of Organ-Cultured Corneas. , 2008, 49, 550.		27
47	Distinct and Competitive Regulatory Patterns of Tumor Suppressor Genes and Oncogenes in Ovarian Cancer. PLoS ONE, 2012, 7, e44175.	1.1	27
48	Investigations on T cell transmigration in a human skin-on-chip (SoC) model. Lab on A Chip, 2021, 21, 1527-1539.	3.1	27
49	Evidence for a Saponin Biosynthesis Pathway in the Body Wall of the Commercially Significant Sea Cucumber Holothuria scabra. Marine Drugs, 2017, 15, 349.	2.2	26
50	CNVannotator: A Comprehensive Annotation Server for Copy Number Variation in the Human Genome. PLoS ONE, 2013, 8, e80170.	1.1	26
51	TSdb: A database of transporter substrates linking metabolic pathways and transporter systems on a genome scale via their shared substrates. Science China Life Sciences, 2011, 54, 60-64.	2.3	25
52	Changes in the neuropeptide content of Biomphalaria ganglia nervous system following Schistosoma infection. Parasites and Vectors, 2017, 10, 275.	1.0	25
53	Expression of integrins to control migration direction of electrotaxis. FASEB Journal, 2019, 33, 9131-9141.	0.2	24
54	Human Transporter Database: Comprehensive Knowledge and Discovery Tools in the Human Transporter Genes. PLoS ONE, 2014, 9, e88883.	1.1	24

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55	Biomimetic stochastic topography and electric fields synergistically enhance directional migration of corneal epithelial cells in a MMP-3-dependent manner. Acta Biomaterialia, 2015, 12, 102-112.	4.1	23
56	Proteomic analysis of the venom and venom sac of the woodwasp, Sirex noctilio - Towards understanding its biological impact. Journal of Proteomics, 2016, 146, 195-206.	1.2	23
57	Tertiary water striders (Hemiptera, Gerromorpha, Gerridae) from the central Tibetan Plateau and their palaeobiogeographic implications. Journal of Asian Earth Sciences, 2019, 175, 121-127.	1.0	22
58	Electric Fields at Breast Cancer and Cancer Cell Collective Galvanotaxis. Scientific Reports, 2020, 10, 8712.	1.6	22
59	Salidroside attenuates acute lung injury via inhibition of inflammatory cytokine production. Biomedicine and Pharmacotherapy, 2021, 142, 111949.	2.5	22
60	Viral metagenomics unveiled extensive communications of viruses within giant pandas and their associated organisms in the same ecosystem. Science of the Total Environment, 2022, 820, 153317.	3.9	22
61	Human liver rate-limiting enzymes influence metabolic flux via branch points and inhibitors. BMC Genomics, 2009, 10, S31.	1.2	21
62	PathLocdb: a comprehensive database for the subcellular localization of metabolic pathways and its application to multiple localization analysis. BMC Genomics, 2010, 11, S13.	1.2	21
63	Real-time physiological measurements of oxygen using a non-invasive self-referencing optical fiber microsensor. Nature Protocols, 2020, 15, 207-235.	<b>5.</b> 5	20
64	An evidence-based knowledgebase of metastasis suppressors to identify key pathways relevant to cancer metastasis. Scientific Reports, 2015, 5, 15478.	1.6	19
65	A pan-cancer study of copy number gain and up-regulation in human oncogenes. Life Sciences, 2018, 211, 206-214.	2.0	19
66	Comparative study of excretory–secretory proteins released by Schistosoma mansoni-resistant, susceptible and naà ve Biomphalaria glabrata. Parasites and Vectors, 2019, 12, 452.	1.0	19
67	Deciphering Signaling Pathway Networks to Understand the Molecular Mechanisms of Metformin Action. PLoS Computational Biology, 2015, 11, e1004202.	1.5	17
68	Expression of epithelial-mesenchymal transition-related genes increases with copy number in multiple cancer types. Oncotarget, 2016, 7, 24688-24699.	0.8	17
69	Increased dietary sodium induces COX2 expression by activating NFÎB in renal medullary interstitial cells. Pflugers Archiv European Journal of Physiology, 2014, 466, 357-367.	1.3	16
70	An evidence-based knowledgebase of pulmonary arterial hypertension to identify genes and pathways relevant to pathogenesis. Molecular BioSystems, 2014, 10, 732-740.	2.9	16
71	GPCR and IR genes in Schistosoma mansoni miracidia. Parasites and Vectors, 2016, 9, 563.	1.0	16
72	REGene: a literature-based knowledgebase of animal regeneration that bridge tissue regeneration and cancer. Scientific Reports, 2016, 6, 23167.	1.6	16

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73	IQdb: an intelligence quotient score-associated gene resource for human intelligence. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat063.	1.4	15
74	A systems biology approach to identify intelligence quotient score-related genomic regions and pathways relevant to potential therapeutic treatments. Scientific Reports, 2014, 4, 4176.	1.6	15
75	Intracranial alternating current stimulation facilitates neurogenesis in a mouse model of Alzheimer's disease. Alzheimer's Research and Therapy, 2020, 12, 89.	3.0	15
76	dbCPG: A web resource for cancer predisposition genes. Oncotarget, 2016, 7, 37803-37811.	0.8	15
77	Greenlip Abalone ( <i>Haliotis laevigata</i> ) Genome and Protein Analysis Provides Insights into Maturation and Spawning. G3: Genes, Genomes, Genetics, 2019, 9, 3067-3078.	0.8	14
78	Genetic links between endometriosis and cancers in women. PeerJ, 2019, 7, e8135.	0.9	14
79	Characterization of Schizophrenia Adverse Drug Interactions through a Network Approach and Drug Classification. BioMed Research International, 2013, 2013, 1-10.	0.9	13
80	OCGene: a database of experimentally verified ovarian cancer-related genes with precomputed regulation information. Cell Death and Disease, 2015, 6, e2036-e2036.	2.7	13
81	Concordance between somatic copy number loss and down-regulated expression: A pan-cancer study of cancer predisposition genes. Scientific Reports, 2016, 6, 37358.	1.6	13
82	ECGene: A Literatureâ€Based Knowledgebase of Endometrial Cancer Genes. Human Mutation, 2016, 37, 337-343.	1.1	13
83	Copy number alteration of neuropeptides and receptors in multiple cancers. Scientific Reports, 2017, 7, 4598.	1.6	13
84	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn (Machrobrachium rosenbergii). PLoS ONE, 2017, 12, e0177064.	1.1	13
85	A risk evaluation model of cervical cancer based on etiology and human leukocyte antigen allele susceptibility. International Journal of Infectious Diseases, 2014, 28, 8-12.	1.5	12
86	Identification of novel prognosis-related genes associated with cancer using integrative network analysis. Scientific Reports, 2018, 8, 3233.	1.6	12
87	Integrative analysis of common genes and driver mutations implicated in hormone stimulation for four cancers in women. PeerJ, 2019, 7, e6872.	0.9	12
88	High similarity of phylogenetic profiles of rate-limiting enzymes with inhibitory relation in Human, Mouse, Rat, budding Yeast and E. coli. BMC Genomics, 2011, 12, S10.	1.2	11
89	Bioactive Glass Nanoparticles-Loaded Poly(É>-caprolactone) Nanofiber as Substrate for ARPE-19 Cells. Journal of Nanomaterials, 2016, 2016, 1-12.	1.5	11
90	Cell migration directionality and speed are independently regulated by RasG and $G\hat{l}^2$ in <i>Dictyostelium</i> cells in electrotaxis. Biology Open, 2019, 8, .	0.6	11

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91	Pathogenic Effects of Mineralocorticoid Pathway Activation in Retinal Pigment Epithelium. International Journal of Molecular Sciences, 2021, 22, 9618.	1.8	11
92	NHE3 phosphorylation via PKCη marks the polarity and orientation of directionally migrating cells. Cellular and Molecular Life Sciences, 2014, 71, 4653-4663.	2.4	10
93	Multi-tissue transcriptomics for construction of a comprehensive gene resource for the terrestrial snail Theba pisana. Scientific Reports, 2016, 6, 20685.	1.6	10
94	Physiological electric fields induce directional migration of mammalian cranial neural crest cells. Developmental Biology, 2021, 471, 97-105.	0.9	10
95	Nonselective Cyclooxygenase Inhibition Retards Cyst Progression in a Murine Model of Autosomal Dominant Polycystic Kidney Disease. International Journal of Medical Sciences, 2019, 16, 180-188.	1.1	9
96	Constructing a comprehensive gene co-expression based interactome in <i>Bos taurus</i> . PeerJ, 2017, 5, e4107.	0.9	9
97	Electrically synchronizing and modulating the dynamics of ERK activation to regulate cell fate. IScience, 2021, 24, 103240.	1.9	9
98	Pedican: an online gene resource for pediatric cancers with literature evidence. Scientific Reports, 2015, 5, 11435.	1.6	8
99	CMGene: A literature-based database and knowledge resource for cancer metastasis genes. Journal of Genetics and Genomics, 2017, 44, 277-279.	1.7	8
100	Chronic Systemic Dexamethasone Regulates the Mineralocorticoid/Glucocorticoid Pathways Balance in Rat Ocular Tissues. International Journal of Molecular Sciences, 2022, 23, 1278.	1.8	8
101	Whorl pattern keratopathies in veterinary and human patients. Veterinary Ophthalmology, 2018, 21, 661-667.	0.6	7
102	Integrative proteomic analysis reveals potential high-frequency alternative open reading frame-encoded peptides in human colorectal cancer. Life Sciences, 2018, 215, 182-189.	2.0	7
103	circVAR database: genome-wide archive of genetic variants for human circular RNAs. BMC Genomics, 2020, 21, 750.	1.2	7
104	Online database for brain cancer-implicated genes: exploring the subtype-specific mechanisms of brain cancer. BMC Genomics, 2021, 22, 458.	1.2	7
105	Coordinated Damping Control Design for Power System With Multiple Virtual Synchronous Generators Based on Prony Method. IEEE Open Access Journal of Power and Energy, 2021, 8, 316-328.	2.5	7
106	Mutational analysis of driver genes with tumor suppressive and oncogenic roles in gastric cancer. Peerl, 2017, 5, e3585.	0.9	7
107	Actin Dynamics as a Multiscale Integrator of Cellular Guidance Cues. Frontiers in Cell and Developmental Biology, 2022, 10, 873567.	1.8	7
108	Cellular Metabolic Network Analysis: Discovering Important Reactions in <i>Treponema pallidum</i> BioMed Research International, 2015, 2015, 1-8.	0.9	5

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109	An Experimental Model for Simultaneous Study of Migration of Cell Fragments, Single Cells, and Cell Sheets. Methods in Molecular Biology, 2016, 1407, 251-272.	0.4	5
110	Multi-omics investigations within the Phylum Mollusca, Class Gastropoda: from ecological application to breakthrough phylogenomic studies. Briefings in Functional Genomics, 2019, 18, 377-394.	1.3	5
111	Single-cell sequencing reveals the potential oncogenic expression atlas of human iPSC-derived cardiomyocytes. Biology Open, 2021, 10, .	0.6	5
112	A Comparison Study of Working Memory Deficits between Patients with Methamphetamine-Associated Psychosis and Patients with Schizophrenia. Shanghai Archives of Psychiatry, 2018, 30, 168-177.	0.7	5
113	A stop-gain mutation in GXYLT1 promotes metastasis of colorectal cancer via the MAPK pathway. Cell Death and Disease, 2022, 13, 395.	2.7	5
114	Analysis of rhodopsin G protein-coupled receptor orthologs reveals semiochemical peptides for parasite (Schistosoma mansoni) and host (Biomphalaria glabrata) interplay. Scientific Reports, 2022, 12, 8243.	1.6	5
115	Literature-based knowledgebase of pancreatic cancer gene to prioritize the key genes and pathways. Journal of Genetics and Genomics, 2016, 43, 569-571.	1.7	4
116	circExp database: an online transcriptome platform for human circRNA expressions in cancers. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	4
117	Integrative analysis to identify oncogenic gene expression changes associated with copy number variations of enhancer in ovarian cancer. Oncotarget, 2017, 8, 91558-91567.	0.8	4
118	Virome in Fecal Samples From Wild Giant Pandas (Ailuropoda Melanoleuca). Frontiers in Veterinary Science, 2021, 8, 767494.	0.9	4
119	METSP: A Maximum-Entropy Classifier Based Text Mining Tool for Transporter-Substrate Identification with Semistructured Text. BioMed Research International, 2015, 2015, 1-7.	0.9	3
120	A gene browser of colorectal cancer with literature evidence and pre-computed regulatory information to identify key tumor suppressors and oncogenes. Scientific Reports, 2016, 6, 30624.	1.6	3
121	<scp>eS</scp> nail: A transcriptomeâ€based molecular resource of the central nervous system for terrestrial gastropods. Molecular Ecology Resources, 2018, 18, 147-158.	2.2	3
122	dbLGL: an online leukemia gene and literature database for the retrospective comparison of adult and childhood leukemia genetics with literature evidence. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	1.4	3
123	Proton magnetic resonance spectroscopy in substance use disorder: recent advances and future clinical applications. Science China Information Sciences, 2020, 63, 1.	2.7	3
124	Gene Dosage Analysis on the Single-Cell Transcriptomes Linking Cotranslational Protein Targeting to Metastatic Triple-Negative Breast Cancer. Pharmaceuticals, 2021, 14, 918.	1.7	3
125	Mindfulness-Based Intervention on Chinese Patients with Amphetamine-Type Stimulant Use Disorders: an EEG Functional Connectivity Study. Mindfulness, 2022, 13, 1320-1332.	1.6	3
126	Comprehensive analyses of tumor suppressor genes in protein-protein interaction networks: A topological perspective. , 2012, , .		2

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127	The pan-cancer analysis of gain-of-functional mutations to identify the common oncogenic signatures in multiple cancers. Gene, 2019, 697, 57-66.	1.0	2
128	The Use of Electrotherapeutics in Ophthalmology. American Journal of Ophthalmology, 2020, 211, 4-14.	1.7	2
129	Electric signals counterbalanced posterior vs anterior PTEN signaling in directed migration of Dictyostelium. Cell and Bioscience, 2021, 11, 111.	2.1	2
130	3D arrays for high throughput assay of cell migration and electrotaxis. Cell Biology International, 2014, 38, 987-987.	1.4	1
131	CIGene: a literature-based online resource for cancer initiation genes. BMC Genomics, 2018, 19, 552.	1.2	1
132	GCGene: a gene resource for gastric cancer with literature evidence. Oncotarget, 2016, 7, 33983-33993.	0.8	1
133	Comparison of Protective Effects of Shenmai Injections Produced by Medicinal Materials from Different Origins on Cardiomyocytes. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-9.	0.5	1
134	Decode the Stable Cell Communications Based on Neuropeptide-Receptors Network in 36746 Tumor Cells. Biomedicines, 2022, 10, 14.	1.4	1
135	Complete Genome Sequences of Papillomavirus Isolates from the Oral Cavity, Skin, and Feces of Wild Rats. Microbiology Resource Announcements, 2018, 7, .	0.3	O
136	Mutational analysis revealed 97 key cancer metastasis genes from extracellular vesicles associated with patient survival. Meta Gene, 2020, 26, 100781.	0.3	0
137	Exploring the role of post-translational modulators of transcription factors in triple-negative breast cancer gene expression. Meta Gene, 2020, 24, 100681.	0.3	0
138	Identification of consistent post-translational regulatory triplets related to oncogenic and tumour suppressive modulators in childhood acute lymphoblastic leukemia. PeerJ, 2021, 9, e11803.	0.9	0
139	Bioinformatic investigation and functional analysis of 214 hereditary genes identified non-coding RNAs as therapeautic tool for breast cancer management. Gene Reports, 2022, 27, 101565.	0.4	0