

# Fudi Wang

## List of Publications by Year in descending order

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198  
papers

13,524  
citations

22153

59  
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27406

106  
g-index

217  
all docs

217  
docs citations

217  
times ranked

17221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis as a target for protection against cardiomyopathy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2672-2680.	7.1	1,174
2	The type IV mucopolipidosis-associated protein TRPML1 is an endolysosomal iron release channel. Nature, 2008, 455, 992-996.	27.8	463
3	Characterization of ferroptosis in murine models of hemochromatosis. Hepatology, 2017, 66, 449-465.	7.3	426
4	Loss of Cardiac Ferritin H Facilitates Cardiomyopathy via Slc7a11-Mediated Ferroptosis. Circulation Research, 2020, 127, 486-501.	4.5	377
5	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. Nature Medicine, 2016, 22, 945-951.	30.7	333
6	Aging and age related stresses: a senescence mechanism of intervertebral disc degeneration. Osteoarthritis and Cartilage, 2016, 24, 398-408.	1.3	306
7	Hepatic transferrin plays a role in systemic iron homeostasis and liver ferroptosis. Blood, 2020, 136, 726-739.	1.4	297
8	Loss of ferroportin induces memory impairment by promoting ferroptosis in Alzheimer's disease. Cell Death and Differentiation, 2021, 28, 1548-1562.	11.2	275
9	Mechanisms of brain iron transport: insight into neurodegeneration and CNS disorders. Future Medicinal Chemistry, 2010, 2, 51-64.	2.3	257
10	The Acrodermatitis Enteropathica Gene ZIP4 Encodes a Tissue-specific, Zinc-regulated Zinc Transporter in Mice. Journal of Biological Chemistry, 2003, 278, 33474-33481.	3.4	256
11	Meta-analysis of vitamin D, calcium and the prevention of breast cancer. Breast Cancer Research and Treatment, 2010, 121, 469-477.	2.5	248
12	Integrated soil and plant phosphorus management for crop and environment in China. A review. Plant and Soil, 2011, 349, 157-167.	3.7	248
13	Comorbid Chronic Diseases and Acute Organ Injuries Are Strongly Correlated with Disease Severity and Mortality among COVID-19 Patients: A Systemic Review and Meta-Analysis. Research, 2020, 2020, 2402961.	5.7	242
14	The molecular and metabolic landscape of iron and ferroptosis in cardiovascular disease. Nature Reviews Cardiology, 2023, 20, 7-23.	13.7	230
15	The multifaceted role of ferroptosis in liver disease. Cell Death and Differentiation, 2022, 29, 467-480.	11.2	214
16	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. Nature Communications, 2014, 5, 4926.	12.8	192
17	Landscape of dietary factors associated with risk of gastric cancer: A systematic review and dose-response meta-analysis of prospective cohort studies. European Journal of Cancer, 2015, 51, 2820-2832.	2.8	187
18	Ferroportin1 deficiency in mouse macrophages impairs iron homeostasis and inflammatory responses. Blood, 2011, 118, 1912-1922.	1.4	185

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19	Promises and Challenges of Big Data Computing in Health Sciences. <i>Big Data Research</i> , 2015, 2, 2-11.	4.2	185
20	Obesity and iron deficiency: a quantitative meta-analysis. <i>Obesity Reviews</i> , 2015, 16, 1081-1093.	6.5	184
21	Zinc and the Msc2 zinc transporter protein are required for endoplasmic reticulum function. <i>Journal of Cell Biology</i> , 2004, 166, 325-335.	5.2	172
22	Iron Metabolism Regulates p53 Signaling through Direct Heme-p53 Interaction and Modulation of p53 Localization, Stability, and Function. <i>Cell Reports</i> , 2014, 7, 180-193.	6.4	170
23	Dietary magnesium intake and the risk of cardiovascular disease, type 2 diabetes, and all-cause mortality: a dose-response meta-analysis of prospective cohort studies. <i>BMC Medicine</i> , 2016, 14, 210.	5.5	167
24	A Histidine-rich Cluster Mediates the Ubiquitination and Degradation of the Human Zinc Transporter, hZIP4, and Protects against Zinc Cytotoxicity. <i>Journal of Biological Chemistry</i> , 2007, 282, 6992-7000.	3.4	158
25	Structure, Function, and Regulation of a Subfamily of Mouse Zinc Transporter Genes. <i>Journal of Biological Chemistry</i> , 2003, 278, 50142-50150.	3.4	154
26	Selenium Exposure and Cancer Risk: an Updated Meta-analysis and Meta-regression. <i>Scientific Reports</i> , 2016, 6, 19213.	3.3	154
27	Auranofin mitigates systemic iron overload and induces ferroptosis via distinct mechanisms. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 138.	17.1	148
28	Antioxidants Mediate Both Iron Homeostasis and Oxidative Stress. <i>Nutrients</i> , 2017, 9, 671.	4.1	141
29	Acrodermatitis enteropathica mutations affect transport activity, localization and zinc-responsive trafficking of the mouse ZIP4 zinc transporter. <i>Human Molecular Genetics</i> , 2004, 13, 563-571.	2.9	136
30	Zn <sup>2+</sup> -stimulated Endocytosis of the mZIP4 Zinc Transporter Regulates Its Location at the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2004, 279, 4523-4530.	3.4	131
31	The Mammalian Zip5 Protein Is a Zinc Transporter That Localizes to the Basolateral Surface of Polarized Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 51433-51441.	3.4	131
32	Zinc-stimulated Endocytosis Controls Activity of the Mouse ZIP1 and ZIP3 Zinc Uptake Transporters. <i>Journal of Biological Chemistry</i> , 2004, 279, 24631-24639.	3.4	121
33	HFE interacts with the BMP type I receptor ALK3 to regulate hepcidin expression. <i>Blood</i> , 2014, 124, 1335-1343.	1.4	110
34	VPS34 Acetylation Controls Its Lipid Kinase Activity and the Initiation of Canonical and Non-canonical Autophagy. <i>Molecular Cell</i> , 2017, 67, 907-921.e7.	9.7	110
35	Perturbed Iron Distribution in Alzheimer's Disease Serum, Cerebrospinal Fluid, and Selected Brain Regions: A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 679-690.	2.6	108
36	Iron-dependent histone 3 lysine 9 demethylation controls B cell proliferation and humoral immune responses. <i>Nature Communications</i> , 2019, 10, 2935.	12.8	107

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37	Deletion of <i>ferritin H</i> in neurons counteracts the protective effect of melatonin against traumatic brain injury-induced ferroptosis. <i>Journal of Pineal Research</i> , 2021, 70, e12704.	7.4	102
38	STAT5-glucocorticoid receptor interaction and MTF-1 regulate the expression of ZnT2 (Slc30a2) in pancreatic acinar cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2818-2823.	7.1	101
39	Promotion of vesicular zinc efflux by ZIP13 and its implications for spondylocheiro dysplastic Ehlers-Danlos syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3530-8.	7.1	98
40	Waist circumference, body mass index and waist to hip ratio for prediction of the metabolic syndrome in Chinese. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009, 19, 542-547.	2.6	97
41	The Role of Zinc and Zinc Homeostasis in Macrophage Function. <i>Journal of Immunology Research</i> , 2018, 2018, 1-11.	2.2	97
42	Targeting miR-124/Ferroportin signaling ameliorated neuronal cell death through inhibiting apoptosis and ferroptosis in aged intracerebral hemorrhage murine model. <i>Aging Cell</i> , 2020, 19, e13235.	6.7	97
43	Zinc supplementation improves glycemic control for diabetes prevention and management: a systematic review and meta-analysis of randomized controlled trials. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 76-90.	4.7	96
44	Association of Levels of Physical Activity With Risk of Parkinson Disease. <i>JAMA Network Open</i> , 2018, 1, e182421.	5.9	94
45	Nanomolar Hg <sup>2+</sup> Detection Using $\beta$ -Lactoglobulin-Stabilized Fluorescent Gold Nanoclusters in Beverage and Biological Media. <i>Analytical Chemistry</i> , 2016, 88, 10275-10283.	6.5	89
46	Manganese transporter Slc39a14 deficiency revealed its key role in maintaining manganese homeostasis in mice. <i>Cell Discovery</i> , 2017, 3, 17025.	6.7	87
47	A mutation in Sec15l1 causes anemia in hemoglobin deficit (hbd) mice. <i>Nature Genetics</i> , 2005, 37, 1270-1273.	21.4	86
48	Metalloreductase Steap3 coordinates the regulation of iron homeostasis and inflammatory responses. <i>Haematologica</i> , 2012, 97, 1826-1835.	3.5	86
49	Ferroportin1 in hepatocytes and macrophages is required for the efficient mobilization of body iron stores in mice. <i>Hepatology</i> , 2012, 56, 961-971.	7.3	86
50	Genetic Support of A Causal Relationship Between Iron Status and Type 2 Diabetes: A Mendelian Randomization Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4641-e4651.	3.6	82
51	The function of heme-regulated eIF2 $\alpha$ kinase in murine iron homeostasis and macrophage maturation. <i>Journal of Clinical Investigation</i> , 2007, 117, 3296-3305.	8.2	81
52	Quantitative association between body mass index and the risk of cancer: A global Meta-analysis of prospective cohort studies. <i>International Journal of Cancer</i> , 2018, 143, 1595-1603.	5.1	80
53	Dietary intake of heme iron and risk of cardiovascular disease: A dose-response meta-analysis of prospective cohort studies. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015, 25, 24-35.	2.6	75
54	The <i>N</i> <sup>6</sup> -methyladenosine RNA-binding protein YTHDF1 modulates the translation of <i>TRAF6</i> to mediate the intestinal immune response. <i>Nucleic Acids Research</i> , 2021, 49, 5537-5552.	14.5	74

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55	TMPRSS6, but not TF, TFR2 or BMP2 variants are associated with increased risk of iron-deficiency anemia. <i>Human Molecular Genetics</i> , 2012, 21, 2124-2131.	2.9	73
56	GPX4 and vitamin E cooperatively protect hematopoietic stem and progenitor cells from lipid peroxidation and ferroptosis. <i>Cell Death and Disease</i> , 2021, 12, 706.	6.3	71
57	Zebrafish in the sea of mineral (iron, zinc, and copper) metabolism. <i>Frontiers in Pharmacology</i> , 2014, 5, 33.	3.5	70
58	Associations between Ionic Profile and Metabolic Abnormalities in Human Population. <i>PLoS ONE</i> , 2012, 7, e38845.	2.5	69
59	Characterization of the GufA subfamily member SLC39A11/Zip11 as a zinc transporter. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1697-1708.	4.2	66
60	Ferritin cage for encapsulation and delivery of bioactive nutrients: From structure, property to applications. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3673-3683.	10.3	64
61	Islr regulates canonical Wnt signaling-mediated skeletal muscle regeneration by stabilizing Dishevelled-2 and preventing autophagy. <i>Nature Communications</i> , 2018, 9, 5129.	12.8	64
62	Genetic regulatory subnetworks and key regulating genes in rat hippocampus perturbed by prenatal malnutrition: implications for major brain disorders. <i>Aging</i> , 2020, 12, 8434-8458.	3.1	63
63	Sex-Specific Association of Circulating Ferritin Level and Risk of Type 2 Diabetes: A Dose-Response Meta-Analysis of Prospective Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4539-4551.	3.6	62
64	Genetic variation in Mon1a affects protein trafficking and modifies macrophage iron loading in mice. <i>Nature Genetics</i> , 2007, 39, 1025-1032.	21.4	61
65	The role of iron homeostasis in remodeling immune function and regulating inflammatory disease. <i>Science Bulletin</i> , 2021, 66, 1806-1816.	9.0	59
66	Drosophila fear of intimacy Encodes a Zrt/IRT-like Protein (ZIP) Family Zinc Transporter Functionally Related to Mammalian ZIP Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 787-795.	3.4	57
67	RNF217 regulates iron homeostasis through its E3 ubiquitin ligase activity by modulating ferroportin degradation. <i>Blood</i> , 2021, 138, 689-705.	1.4	56
68	Co-expression network analysis identified hub genes critical to triglyceride and free fatty acid metabolism as key regulators of age-related vascular dysfunction in mice. <i>Aging</i> , 2019, 11, 7620-7638.	3.1	56
69	Metal transporter Slc39a10 regulates susceptibility to inflammatory stimuli by controlling macrophage survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12940-12945.	7.1	55
70	Iron Deprivation Suppresses Hepatocellular Carcinoma Growth in Experimental Studies. <i>Clinical Cancer Research</i> , 2011, 17, 7625-7633.	7.0	54
71	Association of TMPRSS6 polymorphisms with ferritin, hemoglobin, and type 2 diabetes risk in a Chinese Han population. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 626-632.	4.7	53
72	Transferrin receptor 1-mediated iron uptake plays an essential role in hematopoiesis. <i>Haematologica</i> , 2020, 105, 2071-2082.	3.5	53

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73	Suppression of Sirt1 sensitizes lung cancer cells to WEE1 inhibitor MK-1775-induced DNA damage and apoptosis. <i>Oncogene</i> , 2017, 36, 6863-6872.	5.9	53
74	Higher Blood 25(OH)D Level May Reduce the Breast Cancer Risk: Evidence from a Chinese Population Based Case-Control Study and Meta-Analysis of the Observational Studies. <i>PLoS ONE</i> , 2013, 8, e49312.	2.5	53
75	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and H&Fferritin. <i>Journal of Neurochemistry</i> , 2018, 147, 831-848.	3.9	52
76	Maternal zinc deficiency impairs brain nestin expression in prenatal and postnatal mice. <i>Cell Research</i> , 2001, 11, 135-141.	12.0	50
77	The structure of erastin-bound xCT&#x2013;4F2hc complex&#x2013;reveals molecular mechanisms underlying erastin-induced ferroptosis. <i>Cell Research</i> , 2022, 32, 687-690.	12.0	48
78	Maternal lead exposure and risk of congenital heart defects occurrence in offspring. <i>Reproductive Toxicology</i> , 2015, 51, 1-6.	2.9	47
79	Biomarkers of environmental manganese exposure and associations with childhood neurodevelopment: a systematic review and meta-analysis. <i>Environmental Health</i> , 2020, 19, 104.	4.0	47
80	Transferrin Receptor 1 Regulates Thermogenic Capacity and Cell Fate in Brown/Beige Adipocytes. <i>Advanced Science</i> , 2020, 7, 1903366.	11.2	46
81	Ferroptosis: an emerging player in immune cells. <i>Science Bulletin</i> , 2021, 66, 2257-2260.	9.0	46
82	Twa1/Gid8 is a $\beta$ -catenin nuclear retention factor in Wnt signaling and colorectal tumorigenesis. <i>Cell Research</i> , 2017, 27, 1422-1440.	12.0	44
83	Pleiotropic actions of iron balance in diabetes mellitus. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2015, 16, 15-23.	5.7	43
84	Transferrin Receptor Controls AMPA Receptor Trafficking Efficiency and Synaptic Plasticity. <i>Scientific Reports</i> , 2016, 6, 21019.	3.3	43
85	Liver cancer: EphrinA2 promotes tumorigenicity through Rac1/Akt/NF- $\kappa$ B signaling pathway. <i>Hepatology</i> , 2010, 51, 535-544.	7.3	42
86	ACSL4 contributes to ferroptosis&#x2013;mediated rhabdomyolysis in exertional heat stroke. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1717-1730.	7.3	40
87	Peroxisome Proliferator-Activated Receptor Gamma (PPAR $\gamma$ ) as a Target for Concurrent Management of Diabetes and Obesity-Related Cancer. <i>Current Pharmaceutical Design</i> , 2017, 23, 3677-3688.	1.9	39
88	Slc39a7/zip7 Plays a Critical Role in Development and Zinc Homeostasis in Zebrafish. <i>PLoS ONE</i> , 2012, 7, e42939.	2.5	37
89	Rheological and structural properties of differently acidified and renneted milk gels. <i>Journal of Dairy Science</i> , 2014, 97, 3292-3299.	3.4	37
90	Estrogen contributes to regulating iron metabolism through governing ferroportin signaling via an estrogen response element. <i>Cellular Signalling</i> , 2015, 27, 934-942.	3.6	37

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91	Essential but toxic: Controlling the flux of iron in the body. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 719-724.	1.9	36
92	Associations between serum hepcidin, ferritin and Hb concentrations and type 2 diabetes risks in a Han Chinese population. <i>British Journal of Nutrition</i> , 2013, 110, 2180-2185.	2.3	35
93	Zebrafish slc30a10 deficiency revealed a novel compensatory mechanism of Atp2c1 in maintaining manganese homeostasis. <i>PLoS Genetics</i> , 2017, 13, e1006892.	3.5	35
94	Conversion of the Native 24â€mer Ferritin Nanocage into Its Nonâ€Native 16â€mer Analogue by Insertion of Extra Amino Acid Residues. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16064-16070.	13.8	33
95	Zinc supplementation plays a crucial role in T helper 9 differentiation in allogeneic immune reactions and non-activated T cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 482-488.	3.0	33
96	Iron accumulation in macrophages promotes the formation of foam cells and development of atherosclerosis. <i>Cell and Bioscience</i> , 2020, 10, 137.	4.8	33
97	The zinc transporter Slc39a5 controls glucose sensing and insulin secretion in pancreatic Î²-cells via Sirt1- and Pgc-1Î±-mediated regulation of Glut2. <i>Protein and Cell</i> , 2019, 10, 436-449.	11.0	32
98	Physiological functions of ferroportin in the regulation of renal iron recycling and ischemic acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1042-F1057.	2.7	31
99	HFE inhibits type I IFNs signaling by targeting the SQSTM1-mediated MAVS autophagic degradation. <i>Autophagy</i> , 2021, 17, 1962-1977.	9.1	31
100	Carbohydrate Intake, Glycemic Index, Glycemic Load, and Stroke. <i>Asia-Pacific Journal of Public Health</i> , 2015, 27, 486-496.	1.0	30
101	Joint Transmitter Selection and Resource Management Strategy Based on Low Probability of Intercept Optimization for Distributed Radar Networks. <i>Radio Science</i> , 2018, 53, 1108-1134.	1.6	30
102	Psychological adjustment and behaviours in children of migrant workers in China. <i>Child: Care, Health and Development</i> , 2017, 43, 884-890.	1.7	29
103	<sc>MBD</sc>5 regulates iron metabolism via methylationâ€independent genomic targeting of <i>Fth1</i> through <sc>KAT</sc>2A in mice. <i>British Journal of Haematology</i> , 2014, 166, 279-291.	2.5	28
104	DHODH tangoing with GPX4 on the ferroptotic stage. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 244.	17.1	28
105	Screening Identifies the Chinese Medicinal Plant <i>Caulis Spatholobi</i> as an Effective HAMP Expression Inhibitorâ€“3. <i>Journal of Nutrition</i> , 2013, 143, 1061-1066.	2.9	27
106	The dietary flavonoid myricetin regulates iron homeostasis by suppressing hepcidin expression. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 53-61.	4.2	27
107	Integrated genetic analyses revealed novel human longevity loci and reduced risks of multiple diseases in a cohort study of 15,651 Chinese individuals. <i>Aging Cell</i> , 2021, 20, e13323.	6.7	27
108	Abdominal obesity and risk of CVD: a doseâ€response meta-analysis of thirty-one prospective studies. <i>British Journal of Nutrition</i> , 2021, 126, 1420-1430.	2.3	27

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109	Oral administration with attenuated Salmonella encoding a Trichinella cystatin-like protein elicited host immunity. <i>Experimental Parasitology</i> , 2014, 141, 1-11.	1.2	25
110	Effects of supplementing sow diets with fermented corn and soybean meal mixed feed during lactation on the performance of sows and progeny. <i>Journal of Animal Science</i> , 2018, 96, 206-214.	0.5	25
111	Ferroptosis and metabolic dysfunction-associated fatty liver disease: Is there a link?. <i>Liver International</i> , 2022, 42, 1496-1502.	3.9	25
112	New thiazolidinones reduce iron overload in mouse models of hereditary hemochromatosis and $\beta$ -thalassemia. <i>Haematologica</i> , 2019, 104, 1768-1781.	3.5	24
113	Dietary Intake of Homocysteine Metabolism-Related B-Vitamins and the Risk of Stroke: A Dose-Response Meta-Analysis of Prospective Studies. <i>Advances in Nutrition</i> , 2020, 11, 1510-1528.	6.4	24
114	xCT increases tuberculosis susceptibility by regulating antimicrobial function and inflammation. <i>Oncotarget</i> , 2016, 7, 31001-31013.	1.8	24
115	Iron overload in hereditary tyrosinemia type 1 induces liver injury through the Sp1/Tfr2/hepcidin axis. <i>Journal of Hepatology</i> , 2016, 65, 137-145.	3.7	22
116	Comparison of Intraoral Bone Regeneration with Iliac and Alveolar BMSCs. <i>Journal of Dental Research</i> , 2018, 97, 1229-1235.	5.2	22
117	Increased total iron and zinc intake and lower heme iron intake reduce the risk of esophageal cancer: A dose-response meta-analysis. <i>Nutrition Research</i> , 2018, 59, 16-28.	2.9	22
118	Centrosomal protein FOR20 is essential for cilia-dependent development in zebrafish embryos. <i>FASEB Journal</i> , 2019, 33, 3613-3622.	0.5	20
119	Serum ferritin in combination with prostate-specific antigen improves predictive accuracy for prostate cancer. <i>Oncotarget</i> , 2017, 8, 17862-17872.	1.8	20
120	Resveratrol is Neuroprotective and Improves Cognition in Pentylentetrazole-kindling Model of Epilepsy in Rats. <i>Indian Journal of Pharmaceutical Sciences</i> , 2014, 76, 125-31.	1.0	20
121	HJV and HFE Play Distinct Roles in Regulating Hepcidin. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1325-1336.	5.4	19
122	Transferrin receptor facilitates TGF- $\beta$ 2 and BMP signaling activation to control craniofacial morphogenesis. <i>Cell Death and Disease</i> , 2016, 7, e2282-e2282.	6.3	19
123	Role of atopy in chronic rhinosinusitis with nasal polyps: does an atopic condition affect the severity and recurrence of disease?. <i>Journal of Laryngology and Otology</i> , 2016, 130, 640-644.	0.8	19
124	Hemojuvelin is a novel suppressor for Duchenne muscular dystrophy and age-related muscle wasting. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 557-573.	7.3	19
125	Manganese homeostasis at the host-pathogen interface and in the host immune system. <i>Seminars in Cell and Developmental Biology</i> , 2021, 115, 45-53.	5.0	19
126	Hypoxia regulates sumoylation pathways in intervertebral disc cells: implications for hypoxic adaptations. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1113-1124.	1.3	18



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127	Intake of Dietary One-Carbon Metabolism-Related B Vitamins and the Risk of Esophageal Cancer: A Dose-Response Meta-Analysis. <i>Nutrients</i> , 2018, 10, 835.	4.1	18
128	HDAC1 Governs Iron Homeostasis Independent of Histone Deacetylation in Iron-Overload Murine Models. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1224-1237.	5.4	17
129	Dietary intake of heme iron and body iron status are associated with the risk of gestational diabetes mellitus: a systematic review and meta-analysis. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2017, 26, 1092-1106.	0.4	17
130	Repurposing ICG enables MR/PA imaging signal amplification and iron depletion for iron-overload disorders. <i>Science Advances</i> , 2021, 7, eabl5862.	10.3	17
131	Cardiomyocyte-specific deletion of ferroportin using MCK-Cre has no apparent effect on cardiac iron homeostasis. <i>International Journal of Cardiology</i> , 2015, 201, 90-92.	1.7	16
132	Microtubule-binding protein FOR20 promotes microtubule depolymerization and cell migration. <i>Cell Discovery</i> , 2017, 3, 17032.	6.7	16
133	Smad7 deficiency decreases iron and haemoglobin through hepcidin up-regulation by multilayer compensatory mechanisms. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3035-3044.	3.6	16
134	Functional characterization of a potent anti-tumor polysaccharide in a mouse model of gastric cancer. <i>Life Sciences</i> , 2019, 219, 11-19.	4.3	16
135	Black soyabean seed coat extract regulates iron metabolism by inhibiting the expression of hepcidin. <i>British Journal of Nutrition</i> , 2014, 111, 1181-1189.	2.3	15
136	The embryonic and evolutionary boundaries between notochord and cartilage: a new look at nucleus pulposus-specific markers. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1274-1282.	1.3	14
137	A gene-based recessive diplotype exome scan discovers FGF6, a novel hepcidin-regulating iron-metabolism gene. <i>Blood</i> , 2019, 133, 1888-1898.	1.4	14
138	Attenuation of maternal weight gain impacts infant birthweight: systematic review and meta-analysis. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 387-405.	1.4	14
139	Causal Associations of Circulating Lipids with Osteoarthritis: A Bidirectional Mendelian Randomization Study. <i>Nutrients</i> , 2022, 14, 1327.	4.1	14
140	A novel murine protein with no effect on iron homeostasis is homologous with transferrin and is the putative inhibitor of carbonic anhydrase. <i>Biochemical Journal</i> , 2007, 406, 85-95.	3.7	13
141	Effects of upregulation of Id3 in human lung adenocarcinoma cells on proliferation, apoptosis, mobility and tumorigenicity. <i>Cancer Gene Therapy</i> , 2015, 22, 431-437.	4.6	13
142	Adaptive Jamming Waveform Design for Distributed Multiple-Radar Architectures Based on Low Probability of Intercept. <i>Radio Science</i> , 2019, 54, 72-90.	1.6	12
143	Discovery of lipid profiles of type 2 diabetes associated with hyperlipidemia using untargeted UPLC Q-TOF/MS-based lipidomics approach. <i>Clinica Chimica Acta</i> , 2021, 520, 53-62.	1.1	12
144	Automatic cell segmentation in microscopic color images using ellipse fitting and watershed. , 2010, , .		11

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145	Bmp6 Expression Can Be Regulated Independently of Liver Iron in Mice. PLoS ONE, 2014, 9, e84906.	2.5	11
146	Hemojuvelin regulates the innate immune response to peritoneal bacterial infection in mice. Cell Discovery, 2017, 3, 17028.	6.7	11
147	Identification of factors associated with minimal erythema dose variations in a large-scale population study of 22,146 subjects. Journal of the European Academy of Dermatology and Venereology, 2020, 34, 1595-1600.	2.4	11
148	Heat Treatment Promotes Ubiquitin-Mediated Proteolysis of SARS-CoV-2 RNA Polymerase and Decreases Viral Load. Research, 2022, 2022, 9802969.	5.7	11
149	An assessment of the usefulness of demographic data provided by surrogate respondents in a case-control study of Parkinson's disease. Journal of Clinical Epidemiology, 1992, 45, 1219-1227.	5.0	10
150	Effect of alternating voltage treatment on corrosion resistance of AZ91D magnesium alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 505-516.	1.5	10
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