

# Shu Zhang

## List of Publications by Year in descending order

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76  
papers

2,113  
citations

201674

27  
h-index

265206

42  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of circular RNAs in the A549 cells following Influenza A virus infection. <i>Veterinary Microbiology</i> , 2022, 267, 109390.	1.9	4
2	Circulating Exosomes from Mice with LPS-Induced Bone Loss Inhibit Osteoblast Differentiation. <i>Calcified Tissue International</i> , 2022, 111, 185-195.	3.1	6
3	Treatment of chronic subdural hematoma with atorvastatin combined with low-dose dexamethasone: phase II randomized proof-of-concept clinical trial. <i>Journal of Neurosurgery</i> , 2021, 134, 235-243.	1.6	33
4	MiR-103a-3p targets the m <sup>6</sup> A methyltransferase METTL14 to inhibit osteoblastic bone formation. <i>Aging Cell</i> , 2021, 20, e13298.	6.7	47
5	The combined effects of simulated microgravity and X-ray radiation on MC3T3-E1 cells and rat femurs. <i>Npj Microgravity</i> , 2021, 7, 3.	3.7	4
6	CircRNA_0050463 promotes influenza A virus replication by sponging miR-33b-5p to regulate EEF1A1. <i>Veterinary Microbiology</i> , 2021, 254, 108995.	1.9	21
7	The small protein MafG plays a critical role in MC3T3-E1 cell apoptosis induced by simulated microgravity and radiation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 555, 175-181.	2.1	3
8	Cuff-Method Thigh Arterial Occlusion Counteracts Cerebral Hypoperfusion Against the Push-Pull Effect in Humans. <i>Frontiers in Physiology</i> , 2021, 12, 672351.	2.8	0
9	HDAC6 Negatively Regulates miR-155-5p Expression to Elicit Proliferation by Targeting RHEB in Microvascular Endothelial Cells under Mechanical Unloading. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10527.	4.1	3
10	A Protective Role of Tumor Necrosis Factor Superfamily-15 in Intracerebral Hemorrhage-Induced Secondary Brain Injury. <i>ASN Neuro</i> , 2021, 13, 175909142110384.	2.7	3
11	Targeting CDC7 potentiates ATR-Chk1 signaling inhibition through induction of DNA replication stress in liver cancer. <i>Genome Medicine</i> , 2021, 13, 166.	8.2	19
12	Insight Into an Outbreak of Canine Distemper Virus Infection in Masked Palm Civets in China. <i>Frontiers in Veterinary Science</i> , 2021, 8, 728238.	2.2	3
13	Integration and application of 3D visualization technology and numerical simulation technology in geological research. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	4
14	Atorvastatin combined with dexamethasone in chronic subdural haematoma (ATOCH II): study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 905.	1.6	4
15	MIR-30 family members inhibit osteoblast differentiation by suppressing Runx2 under unloading conditions in MC3T3-E1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 164-170.	2.1	37
16	Lower body negative pressure protects brain perfusion in aviation gravitational stress induced by push-pull manoeuvre. <i>Journal of Physiology</i> , 2020, 598, 3173-3186.	2.9	7
17	Bone-targeted lncRNA OGRU alleviates unloading-induced bone loss via miR-320-3p/Hoxa10 axis. <i>Cell Death and Disease</i> , 2020, 11, 382.	6.3	25
18	Targeted overexpression of the long noncoding RNA ODSM can regulate osteoblast function in vitro and in vivo. <i>Cell Death and Disease</i> , 2020, 11, 133.	6.3	27

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19	Targeted silencing of miRNA-132-3p expression rescues disuse osteopenia by promoting mesenchymal stem cell osteogenic differentiation and osteogenesis in mice. <i>Stem Cell Research and Therapy</i> , 2020, 11, 58.	5.5	28
20	TMCO1-mediated Ca <sup>2+</sup> leak underlies osteoblast functions via CaMKII signaling. <i>Nature Communications</i> , 2019, 10, 1589.	12.8	38
21	miR-181c-5p mediates simulated microgravity-induced impaired osteoblast proliferation by promoting cell cycle arrested in the G <sub>2</sub> phase. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3302-3316.	3.6	14
22	Simulated microgravity reduces intracellular free calcium concentration by inhibiting calcium channels in primary mouse osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4009-4020.	2.6	22
23	Osteoblast-targeted delivery of miR-33-5p attenuates osteopenia development induced by mechanical unloading in mice. <i>Cell Death and Disease</i> , 2018, 9, 170.	6.3	26
24	MicroRNA-139-3p regulates osteoblast differentiation and apoptosis by targeting ELK1 and interacting with long noncoding RNA ODSM. <i>Cell Death and Disease</i> , 2018, 9, 1107.	6.3	64
25	Influence of Rib Structure and Elastic Yarn Type Variations on Textile Piezoresistive Strain Sensor Characteristics. <i>Fibres and Textiles in Eastern Europe</i> , 2018, 26, 24-31.	0.5	19
26	Discovering potential serological biomarker for chronic Hepatitis B Virus-related hepatocellular carcinoma in Chinese population by MAL-associated serum glycoproteomics analysis. <i>Scientific Reports</i> , 2017, 7, 38918.	3.3	12
27	Role of C/EBP homologous protein and endoplasmic reticulum stress in asthma exacerbation by regulating the IL-4/signal transducer and activator of transcription 6/transcription factor EC/IL-4 receptor $\pm$ positive feedback loop in M2 macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1550-1561.e8.	2.9	69
28	Oct4 induces EMT through LEF1/ $\beta$ -catenin dependent WNT signaling pathway in hepatocellular carcinoma. <i>Oncology Letters</i> , 2017, 13, 2599-2606.	1.8	39
29	Quantification of N-glycosylation site occupancy status based on labeling/label-free strategies with LC-MS/MS. <i>Talanta</i> , 2017, 170, 509-513.	5.5	19
30	Simulated Microgravity Promotes Angiogenesis through RhoA-Dependent Rearrangement of the Actin Cytoskeleton. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 227-238.	1.6	25
31	Genome-wide analysis and prediction of functional long noncoding RNAs in osteoblast differentiation under simulated microgravity. <i>Molecular Medicine Reports</i> , 2017, 16, 8180-8188.	2.4	10
32	Impact of 6:2 fluorotelomer alcohol aerobic biotransformation on a sediment microbial community. <i>Science of the Total Environment</i> , 2017, 575, 1361-1368.	8.0	57
33	Effect of a 21-day balneotherapy program on blood cell counts, ponogen levels, and blood biochemical indexes in servicemen in sub-health condition. <i>Journal of Physical Therapy Science</i> , 2017, 29, 1573-1577.	0.6	10
34	Assessment of Hepatocellular Carcinoma Metastasis Glycobiomarkers Using Advanced Quantitative N-glycoproteome Analysis. <i>Frontiers in Physiology</i> , 2017, 8, 472.	2.8	15
35	Aided Diagnosis of Hepatocellular Carcinoma Using Serum Fucosylated Haptoglobin Ratios. <i>Journal of Cancer</i> , 2017, 8, 887-893.	2.5	23
36	Diagnosis of AFP-negative early-stage hepatocellular carcinoma using Fuc-PON1. <i>Discovery Medicine</i> , 2017, 23, 163-168.	0.5	22

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37	miR-33-5p, a novel mechano-sensitive microRNA promotes osteoblast differentiation by targeting Hmga2. <i>Scientific Reports</i> , 2016, 6, 23170.	3.3	78
38	Aberrant expression of Golgi protein 73 is indicative of a poor outcome in hepatocellular carcinoma. <i>Oncology Reports</i> , 2016, 35, 2141-2150.	2.6	16
39	Insights on N-glycosylation of human haptoglobin and its association with cancers. <i>Glycobiology</i> , 2016, 26, 684-692.	2.5	47
40	The Impact of Simulated Weightlessness on Endothelium-Dependent Angiogenesis and the Role of Caveolae/Caveolin-1. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 502-513.	1.6	21
41	Biotransformation potential of 6:2 fluorotelomer sulfonate (6:2 FTSA) in aerobic and anaerobic sediment. <i>Chemosphere</i> , 2016, 154, 224-230.	8.2	109
42	The impact of extraversion on attentional bias to pleasant stimuli: neuroticism matters. <i>Experimental Brain Research</i> , 2016, 234, 721-731.	1.5	17
43	GP73 N-glycosylation at Asn144 reduces hepatocellular carcinoma cell motility and invasiveness. <i>Oncotarget</i> , 2016, 7, 23530-23541.	1.8	20
44	ELISA index of serum fucosylated haptoglobin for diagnosis of HCC using the normal and reverse AAL ELISA. <i>Discovery Medicine</i> , 2016, 21, 15-23.	0.5	3
45	Systems specificity in responsiveness to intermittent artificial gravity during simulated microgravity in rats. <i>Acta Physiologica Sinica</i> , 2016, 68, 391-402.	0.5	0
46	HSF1 promotes the inhibition of EMT-associated migration by low glucose via directly regulating Snail1 expression in HCC cells. <i>Discovery Medicine</i> , 2016, 22, 87-96.	0.5	9
47	Rapid diagnosis of hepatocellular carcinoma using a haptoglobin ELISA assay based on AAL-coated magnetic beads. <i>Discovery Medicine</i> , 2016, 22, 97-104.	0.5	4
48	miRNA-132-3p inhibits osteoblast differentiation by targeting Ep300 in simulated microgravity. <i>Scientific Reports</i> , 2015, 5, 18655.	3.3	81
49	Simulated microgravity inhibits L-type calcium channel currents partially by the up-regulation of miR-103 in MC3T3-E1 osteoblasts. <i>Scientific Reports</i> , 2015, 5, 8077.	3.3	39
50	Ethylene/propylene copolymerization catalyzed by vanadium complexes containing N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2015, 44, 15264-15270.	3.3	32
51	Online solid sampling platform using multi-wall carbon nanotube assisted matrix solid phase dispersion for mercury speciation in fish by HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 882-887.	3.0	34
52	Serum fucosylated paraoxonase 1 as a potential glyco-biomarker for clinical diagnosis of early hepatocellular carcinoma using ELISA Index. <i>Glycoconjugate Journal</i> , 2015, 32, 119-125.	2.7	30
53	MiR-103 inhibits osteoblast proliferation mainly through suppressing Cav1.2 expression in simulated microgravity. <i>Bone</i> , 2015, 76, 121-128.	2.9	57
54	Multiple lectin assays for detecting glyco-alteration of serum GP73 in liver diseases. <i>Glycoconjugate Journal</i> , 2015, 32, 657-664.	2.7	17

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55	miR-612 suppresses the stemness of liver cancer via Wnt/ $\beta$ -catenin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 210-215.	2.1	77
56	6:2 and 8:2 Fluorotelomer Alcohol Anaerobic Biotransformation in Digester Sludge from a WWTP under Methanogenic Conditions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4227-4235.	10.0	118
57	Reversal of the Detrimental Effects of Simulated Microgravity on Human Osteoblasts by Modified Low Intensity Pulsed Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 804-812.	1.5	15
58	Clinorotation enhances autophagy in vascular endothelial cells. <i>Biochemistry and Cell Biology</i> , 2013, 91, 309-314.	2.0	16
59	Quantitative analysis of site-specific N-glycans on sera haptoglobin $\beta$ chain in liver diseases. <i>Acta Biochimica Et Biophysica Sinica</i> , 2013, 45, 1021-1029.	2.0	28
60	21-day Balneotherapy Improves Cardiopulmonary Function and Physical Capacity of Pilots. <i>Journal of Physical Therapy Science</i> , 2013, 25, 109-112.	0.6	11
61	Effect of 3 Weeks of Balneotherapy on Immunological Parameters, Trace Metal Elements and Mood States in Pilots. <i>Journal of Physical Therapy Science</i> , 2013, 25, 51-54.	0.6	10
62	iTRAQ plus 18O: A new technique for target glycoprotein analysis. <i>Talanta</i> , 2012, 91, 122-127.	5.5	27
63	Mechanobiological Modulation of Cytoskeleton and Calcium Influx in Osteoblastic Cells by Short-Term Focused Acoustic Radiation Force. <i>PLoS ONE</i> , 2012, 7, e38343.	2.5	53
64	Effects of Simulated Microgravity on Human Umbilical Vein Endothelial Cell Angiogenesis and Role of the PI3K-Akt-eNOS Signal Pathway. <i>PLoS ONE</i> , 2012, 7, e40365.	2.5	73
65	Focal adhesion kinase signaling pathway is involved in mechanotransduction in MG-63 Cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 671-676.	2.1	33
66	IMAGE IMPROVEMENT IN THE WAVELET DOMAIN FOR OPTICAL COHERENCE TOMOGRAMS. <i>Journal of Innovative Optical Health Sciences</i> , 2011, 04, 73-78.	1.0	2
67	DNA stretching on super-aligned carbon nanotube films. , 2010, , .		0
68	Hyperbaric oxygen preconditioning reduces ischemia-reperfusion injury by stimulating autophagy in neurocyte. <i>Brain Research</i> , 2010, 1323, 149-151.	2.2	39
69	Clinorotation upregulates inducible nitric oxide synthase by inhibiting AP-1 activation in human umbilical vein endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 357-363.	2.6	21
70	Modeled microgravity causes changes in the cytoskeleton and focal adhesions, and decreases in migration in malignant human MCF-7 cells. <i>Protoplasma</i> , 2009, 238, 23-33.	2.1	47
71	Simulated weightlessness aggravates hypergravity-induced impairment of learning and memory and neuronal apoptosis in rats. <i>Behavioural Brain Research</i> , 2009, 199, 197-202.	2.2	56
72	From spindle to spherical: Is spherical shape a potential predictor of human mesenchymal stem cells with increased differentiation capability?. <i>Bioscience Hypotheses</i> , 2009, 2, 407-409.	0.2	1

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73	The influence of fluid shear stress on the expression of Cbfa1 in MG-63 cells cultured under different gravitational conditions. <i>Advances in Space Research</i> , 2008, 42, 1980-1985.	2.6	2
74	Effects of N-acetylcysteine and glutathione ethyl ester drops on streptozotocin-induced diabetic cataract in rats. <i>Molecular Vision</i> , 2008, 14, 862-70.	1.1	41
75	Acceleration after-effects on learning and memory in rats: +10Gz or +6Gz for 3min. <i>Neuroscience Letters</i> , 2007, 413, 245-248.	2.1	10
76	Methodological and physiological variability within the ventilatory response to hypoxia in humans. <i>Journal of Applied Physiology</i> , 2000, 88, 1924-1932.	2.5	57