# Shu Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4492801/publications.pdf

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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 | 6:2 and 8:2 Fluorotelomer Alcohol Anaerobic Biotransformation in Digester Sludge from a WWTP under Methanogenic Conditions. Environmental Science & Technology, 2013, 47, 4227-4235. | 10.0 | 118 |
| 2 | Biotransformation potential of 6:2 fluorotelomer sulfonate (6:2 FTSA) in aerobic and anaerobic sediment. Chemosphere, 2016, 154, 224-230. | 8.2 | 109 |
| 3 | miRNA-132-3p inhibits osteoblast differentiation by targeting Ep300 in simulated microgravity. Scientific Reports, 2015, 5, 18655. | 3.3 | 81 |
| 4 | miR-33-5p, a novel mechano-sensitive microRNA promotes osteoblast differentiation by targeting Hmga2. Scientific Reports, 2016, 6, 23170. | 3.3 | 78 |
| 5 | miR-612 suppresses the stemness of liver cancer via Wnt/Î²-catenin signaling. Biochemical and Biophysical Research Communications, 2014, 447, 210-215. | 2.1 | 77 |
| 6 | Effects of Simulated Microgravity on Human Umbilical Vein Endothelial Cell Angiogenesis and Role of the PI3K-Akt-eNOS Signal Pathway. PLoS ONE, 2012, 7, e40365. | 2.5 | 73 |
| 7 | 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 Î± positive feedback loop in M2 macrophages. Journal of Allergy and Clinical Immunology, 2017, 140, 1550-1561.e8. | 2.9 | 69 |
| 8 | MicroRNA-139-3p regulates osteoblast differentiation and apoptosis by targeting ELK1 and interacting with long noncoding RNA ODSM. Cell Death and Disease, 2018, 9, 1107. | 6.3 | 64 |
| 9 | Methodological and physiological variability within the ventilatory response to hypoxia in humans. Journal of Applied Physiology, 2000, 88, 1924-1932. | 2.5 | 57 |
| 10 | MiR-103 inhibits osteoblast proliferation mainly through suppressing Cav1.2 expression in simulated microgravity. Bone, 2015, 76, 121-128. | 2.9 | 57 |
| 11 | Impact of 6:2 fluorotelomer alcohol aerobic biotransformation on a sediment microbial community. Science of the Total Environment, 2017, 575, 1361-1368. | 8.0 | 57 |
| 12 | Simulated weightlessness aggravates hypergravity-induced impairment of learning and memory and neuronal apoptosis in rats. Behavioural Brain Research, 2009, 199, 197-202. | 2.2 | 56 |
| 13 | Mechanobiological Modulation of Cytoskeleton and Calcium Influx in Osteoblastic Cells by Short-Term Focused Acoustic Radiation Force. PLoS ONE, 2012, 7, e38343. | 2.5 | 53 |
| 14 | Modeled microgravity causes changes in the cytoskeleton and focal adhesions, and decreases in migration in malignant human MCF-7 cells. Protoplasma, 2009, 238, 23-33. | 2.1 | 47 |
| 15 | Insights on N-glycosylation of human haptoglobin and its association with cancers. Glycobiology, 2016, 26, 684-692. | 2.5 | 47 |
| 16 | MiRâ€103â€3p targets the m<sup>6</sup>A methyltransferase METTL14 to inhibit osteoblastic bone formation. Aging Cell, 2021, 20, e13298. | 6.7 | 47 |
| 17 | Effects of N-acetylcysteine and glutathione ethyl ester drops on streptozotocin-induced diabetic cataract in rats. Molecular Vision, 2008, 14, 862-70. | 1.1 | 41 |
| 18 | Hyperbaric oxygen preconditioning reduces ischemiaâ€“reperfusion injury by stimulating autophagy in neurocyte. Brain Research, 2010, 1323, 149-151. | 2.2 | 39 |

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|---|---|---|---|
| 19 | Simulated microgravity inhibits L-type calcium channel currents partially by the up-regulation of miR-103 in MC3T3-E1 osteoblasts. Scientific Reports, 2015, 5, 8077. | 3.3 | 39 |
| 20 | Oct4 induces EMT through LEF1/Î²-catenin dependent WNT signaling pathway in hepatocellular carcinoma. Oncology Letters, 2017, 13, 2599-2606. | 1.8 | 39 |
| 21 | TMCO1-mediated Ca2+ leak underlies osteoblast functions via CaMKII signaling. Nature Communications, 2019, 10, 1589. | 12.8 | 38 |
| 22 | MiR-30 family members inhibit osteoblast differentiation by suppressing Runx2 under unloading conditions in MC3T3-E1 cells. Biochemical and Biophysical Research Communications, 2020, 522, 164-170. | 2.1 | 37 |
| 23 | Online solid sampling platform using multi-wall carbon nanotube assisted matrix solid phase dispersion for mercury speciation in fish by HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2015, 30, 882-887. | 3.0 | 34 |
| 24 | Focal adhesion kinase signaling pathway is involved in mechanotransduction in MG-63 Cells. Biochemical and Biophysical Research Communications, 2011, 410, 671-676. | 2.1 | 33 |
| 25 | Treatment of chronic subdural hematoma with atorvastatin combined with low-dose dexamethasone: phase II randomized proof-of-concept clinical trial. Journal of Neurosurgery, 2021, 134, 235-243. | 1.6 | 33 |
| 26 | Ethylene/propylene copolymerization catalyzed by vanadium complexes containing N-heterocyclic carbenes. Dalton Transactions, 2015, 44, 15264-15270. | 3.3 | 32 |
| 27 | Serum fucosylated paraoxonase 1 as a potential glycobiomarker for clinical diagnosis of early hepatocellular carcinoma using ELISA Index. Glycoconjugate Journal, 2015, 32, 119-125. | 2.7 | 30 |
| 28 | Quantitative analysis of site-specific <italic>N</italic>-glycans on sera haptoglobin β chain in liver diseases. Acta Biochimica Et Biophysica Sinica, 2013, 45, 1021-1029. | 2.0 | 28 |
| 29 | Targeted silencing of miRNA-132-3p expression rescues disuse osteopenia by promoting mesenchymal stem cell osteogenic differentiation and osteogenesis in mice. Stem Cell Research and Therapy, 2020, 11, 58. | 5.5 | 28 |
| 30 | iTRAQ plus 18O: A new technique for target glycoprotein analysis. Talanta, 2012, 91, 122-127. | 5.5 | 27 |
| 31 | Targeted overexpression of the long noncoding RNA ODSM can regulate osteoblast function in vitro and in vivo. Cell Death and Disease, 2020, 11, 133. | 6.3 | 27 |
| 32 | Osteoblast-targeted delivery of miR-33-5p attenuates osteopenia development induced by mechanical unloading in mice. Cell Death and Disease, 2018, 9, 170. | 6.3 | 26 |
| 33 | Simulated Microgravity Promotes Angiogenesis through RhoA-Dependent Rearrangement of the Actin Cytoskeleton. Cellular Physiology and Biochemistry, 2017, 41, 227-238. | 1.6 | 25 |
| 34 | Bone-targeted lncRNA OGRU alleviates unloading-induced bone loss via miR-320-3p/Hoxa10 axis. Cell Death and Disease, 2020, 11, 382. | 6.3 | 25 |
| 35 | Aided Diagnosis of Hepatocellular Carcinoma Using Serum Fucosylated Haptoglobin Ratios. Journal of Cancer, 2017, 8, 887-893. | 2.5 | 23 |
| 36 | Simulated microgravity reduces intracellularâ€free calcium concentration by inhibiting calcium channels in primary mouse osteoblasts. Journal of Cellular Biochemistry, 2019, 120, 4009-4020. | 2.6 | 22 |

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|---|---|---|---|
| 37 | Diagnosis of AFP-negative early-stage hepatocellular carcinoma using Fuc-PON1. Discovery Medicine, 2017, 23, 163-168. | 0.5 | 22 |
| 38 | Clinorotation upregulates inducible nitric oxide synthase by inhibiting APâ€1 activation in human umbilical vein endothelial cells. Journal of Cellular Biochemistry, 2009, 107, 357-363. | 2.6 | 21 |
| 39 | The Impact of Simulated Weightlessness on Endothelium-Dependent Angiogenesis and the Role of Caveolae/Caveolin-1. Cellular Physiology and Biochemistry, 2016, 38, 502-513. | 1.6 | 21 |
| 40 | CircRNA_0050463 promotes influenza A virus replication by sponging miR-33b-5p to regulate EEF1A1. Veterinary Microbiology, 2021, 254, 108995. | 1.9 | 21 |
| 41 | GP73 N-glycosylation at Asn144 reduces hepatocellular carcinoma cell motility and invasiveness. Oncotarget, 2016, 7, 23530-23541. | 1.8 | 20 |
| 42 | Quantification of N-glycosylation site occupancy status based on labeling/label-free strategies with LC-MS/MS. Talanta, 2017, 170, 509-513. | 5.5 | 19 |
| 43 | Influence of Rib Structure and Elastic Yarn Type Variations on Textile Piezoresistive Strain Sensor Characteristics. Fibres and Textiles in Eastern Europe, 2018, 26, 24-31. | 0.5 | 19 |
| 44 | Targeting CDC7 potentiates ATR-CHK1 signaling inhibition through induction of DNA replication stress in liver cancer. Genome Medicine, 2021, 13, 166. | 8.2 | 19 |
| 45 | Multiple lectin assays for detecting glyco-alteration of serum GP73 in liver diseases. Glycoconjugate Journal, 2015, 32, 657-664. | 2.7 | 17 |
| 46 | The impact of extraversion on attentional bias to pleasant stimuli: neuroticism matters. Experimental Brain Research, 2016, 234, 721-731. | 1.5 | 17 |
| 47 | Clinorotation enhances autophagy in vascular endothelial cells. Biochemistry and Cell Biology, 2013, 91, 309-314. | 2.0 | 16 |
| 48 | Aberrant expression of Golgi protein 73 is indicative of a poor outcome in hepatocellular carcinoma. Oncology Reports, 2016, 35, 2141-2150. | 2.6 | 16 |
| 49 | Reversal of the Detrimental Effects of Simulated MicrogravityÂon Human Osteoblasts by Modified Low IntensityÂPulsed Ultrasound. Ultrasound in Medicine and Biology, 2013, 39, 804-812. | 1.5 | 15 |
| 50 | Assessment of Hepatocellular Carcinoma Metastasis Glycobiomarkers Using Advanced Quantitative N-glycoproteome Analysis. Frontiers in Physiology, 2017, 8, 472. | 2.8 | 15 |
| 51 | miRâ€181câ€5p mediates simulated microgravityâ€induced impaired osteoblast proliferation by promoting cell cycle arrested in the G 2 phase. Journal of Cellular and Molecular Medicine, 2019, 23, 3302-3316. | 3.6 | 14 |
| 52 | Discovering potential serological biomarker for chronic Hepatitis B Virus-related hepatocellular carcinoma in Chinese population by MAL-associated serum glycoproteomics analysis. Scientific Reports, 2017, 7, 38918. | 3.3 | 12 |
| 53 | 21-day Balneotherapy Improves Cardiopulmonary Function and Physical Capacity of Pilots. Journal of Physical Therapy Science, 2013, 25, 109-112. | 0.6 | 11 |
| 54 | Acceleration after-effects on learning and memory in rats: +10Gz or +6Gz for 3min. Neuroscience Letters, 2007, 413, 245-248. | 2.1 | 10 |

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| 55 | Effect of 3 Weeks of Balneotherapy on Immunological Parameters, Trace Metal Elements and Mood States in Pilots. Journal of Physical Therapy Science, 2013, 25, 51-54. | 0.6 | 10 |
| 56 | Genome-wide analysis and prediction of functional long noncoding RNAs in osteoblast differentiation under simulated microgravity. Molecular Medicine Reports, 2017, 16, 8180-8188. | 2.4 | 10 |
| 57 | Effect of a 21-day balneotherapy program on blood cell counts, ponogen levels, and blood biochemical indexes in servicemen in sub-health condition. Journal of Physical Therapy Science, 2017, 29, 1573-1577. | 0.6 | 10 |
| 58 | HSF1 promotes the inhibition of EMT-associated migration by low glucose via directly regulating Snail1 expression in HCC cells. Discovery Medicine, 2016, 22, 87-96. | 0.5 | 9 |
| 59 | Lower body negative pressure protects brain perfusion in aviation gravitational stress induced by pushâ€“pull manoeuvre. Journal of Physiology, 2020, 598, 3173-3186. | 2.9 | 7 |
| 60 | Circulating Exosomes from Mice with LPS-Induced Bone Loss Inhibit Osteoblast Differentiation. Calcified Tissue International, 2022, 111, 185-195. | 3.1 | 6 |
| 61 | The combined effects of simulated microgravity and X-ray radiation on MC3T3-E1 cells and rat femurs. Npj Microgravity, 2021, 7, 3. | 3.7 | 4 |
| 62 | Integration and application of 3D visualization technology and numerical simulation technology in geological research. Environmental Earth Sciences, 2021, 80, 1. | 2.7 | 4 |
| 63 | Rapid diagnosis of hepatocellular carcinoma using a haptoglobin ELISA assay based on AAL-coated magnetic beads. Discovery Medicine, 2016, 22, 97-104. | 0.5 | 4 |
| 64 | Identification and characterization of circular RNAs in the A549 cells following Influenza A virus infection. Veterinary Microbiology, 2022, 267, 109390. | 1.9 | 4 |
| 65 | Atorvastatin combined with dexamethasone in chronic subdural haematoma (ATOCH II): study protocol for a randomized controlled trial. Trials, 2021, 22, 905. | 1.6 | 4 |
| 66 | The small protein MafG plays a critical role in MC3T3-E1 cell apoptosis induced by simulated microgravity and radiation. Biochemical and Biophysical Research Communications, 2021, 555, 175-181. | 2.1 | 3 |
| 67 | HDAC6 Negatively Regulates miR-155-5p Expression to Elicit Proliferation by Targeting RHEB in Microvascular Endothelial Cells under Mechanical Unloading. International Journal of Molecular Sciences, 2021, 22, 10527. | 4.1 | 3 |
| 68 | A Protective Role of Tumor Necrosis Factor Superfamily-15 in Intracerebral Hemorrhage-Induced Secondary Brain Injury. ASN Neuro, 2021, 13, 175909142110384. | 2.7 | 3 |
| 69 | Insight Into an Outbreak of Canine Distemper Virus Infection in Masked Palm Civets in China. Frontiers in Veterinary Science, 2021, 8, 728238. | 2.2 | 3 |
| 70 | ELISA index of serum fucosylated haptoglobin for diagnosis of HCC using the normal and reverse AAL ELISA. Discovery Medicine, 2016, 21, 15-23. | 0.5 | 3 |
| 71 | The influence of fluid shear stress on the expression of Cbfa1 in MG-63 cells cultured under different gravitational conditions. Advances in Space Research, 2008, 42, 1980-1985. | 2.6 | 2 |
| 72 | IMAGE IMPROVEMENT IN THE WAVELET DOMAIN FOR OPTICAL COHERENCE TOMOGRAMS. Journal of Innovative Optical Health Sciences, 2011, 04, 73-78. | 1.0 | 2 |

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|---|---|---|---|
| 73 | From spindle to spherical: Is spherical shape a potential predictor of human mesenchymal stem cells with increased differentiation capability?. Bioscience Hypotheses, 2009, 2, 407-409. | 0.2 | 1 |
| 74 | DNA stretching on super-aligned carbon nanotube films. , 2010, , . | | 0 |
| 75 | Cuff-Method Thigh Arterial Occlusion Counteracts Cerebral Hypoperfusion Against the Pushâ€“Pull Effect in Humans. Frontiers in Physiology, 2021, 12, 672351. | 2.8 | 0 |
| 76 | Systems specificity in responsiveness to intermittent artificial gravity during simulated microgravity in rats. Acta Physiologica Sinica, 2016, 68, 391-402. | 0.5 | 0 |