

Ling Zhang

List of Publications by Year in descending order

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71
papers

2,434
citations

201674

27
h-index

223800

46
g-index

76
all docs

76
docs citations

76
times ranked

3873
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Cardioprotection by Human Endometrium Mesenchymal Stem Cells Driven by Exosomal MicroRNA-21. <i>Stem Cells Translational Medicine</i> , 2017, 6, 209-222.	3.3	217
2	Irisin improves endothelial function in type 2 diabetes through reducing oxidative/nitrative stresses. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 87, 138-147.	1.9	164
3	Defective branched chain amino acid catabolism contributes to cardiac dysfunction and remodeling following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1160-H1169.	3.2	131
4	Branched Chain Amino Acids Cause Liver Injury in Obese/Diabetic Mice by Promoting Adipocyte Lipolysis and Inhibiting Hepatic Autophagy. <i>EBioMedicine</i> , 2016, 13, 157-167.	6.1	111
5	Novel rechargeable calcium phosphate dental nanocomposite. <i>Dental Materials</i> , 2016, 32, 285-293.	3.5	96
6	Role of SIRT1 and AMPK in mesenchymal stem cells differentiation. <i>Ageing Research Reviews</i> , 2014, 13, 55-64.	10.9	89
7	SIRT1 ameliorates age-related senescence of mesenchymal stem cells via modulating telomere shelterin. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 103.	3.4	87
8	TXNIP/Redd1 signalling and excessive autophagy: a novel mechanism of myocardial ischaemia/reperfusion injury in mice. <i>Cardiovascular Research</i> , 2020, 116, 645-657.	3.8	79
9	Effect of postâ€space treatment on retention of fiber posts in different root regions using two selfâ€etching systems. <i>European Journal of Oral Sciences</i> , 2008, 116, 280-286.	1.5	78
10	Sphingosine 1-phosphate signaling contributes to cardiac inflammation, dysfunction, and remodeling following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H250-H261.	3.2	74
11	Branched chain amino acids exacerbate myocardial ischemia/reperfusion vulnerability via enhancing GCN2/ATF6/PPAR-Î± pathway-dependent fatty acid oxidation. <i>Theranostics</i> , 2020, 10, 5623-5640.	10.0	74
12	Rechargeable dental adhesive with calcium phosphate nanoparticles for long-term ion release. <i>Journal of Dentistry</i> , 2015, 43, 1587-1595.	4.1	68
13	Leptin Signaling Is Required for Augmented Therapeutic Properties of Mesenchymal Stem Cells Conferred by Hypoxia Preconditioning. <i>Stem Cells</i> , 2014, 32, 2702-2713.	3.2	62
14	Antibacterial and remineralizing orthodontic adhesive containing quaternary ammonium resin monomer and amorphous calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2018, 72, 53-63.	4.1	57
15	Captopril attenuates TAC-induced heart failure via inhibiting Wnt3a/Î²-catenin and Jak2/Stat3 pathways. <i>Biomedicine and Pharmacotherapy</i> , 2019, 113, 108780.	5.6	57
16	Nicotine Accelerates Atherosclerosis in Apolipoprotein Eâ€Deficient Mice by Activating Î±7 Nicotinic Acetylcholine Receptor on Mast Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 53-65.	2.4	55
17	A novel mechanism of diabetic vascular endothelial dysfunction: Hypoadiponectinemia-induced NLRP3 inflammasome activation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1556-1567.	3.8	51
18	Akap1 deficiency exacerbates diabetic cardiomyopathy in mice by NDUF51-mediated mitochondrial dysfunction and apoptosis. <i>Diabetologia</i> , 2020, 63, 1072-1087.	6.3	48

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19	Metabolic remodelling during early mouse embryo development. <i>Nature Metabolism</i> , 2021, 3, 1372-1384.	11.9	45
20	Small Extracellular Vesicles From Brown Adipose Tissue Mediate Exercise Cardioprotection. <i>Circulation Research</i> , 2022, 130, 1490-1506.	4.5	42
21	Anti-proteolytic capacity and bonding durability of proanthocyanidin-biomodified demineralized dentin matrix. <i>International Journal of Oral Science</i> , 2014, 6, 168-174.	8.6	40
22	Hypoxia Preconditioned Mesenchymal Stem Cells Prevent Cardiac Fibroblast Activation and Collagen Production via Leptin. <i>PLoS ONE</i> , 2014, 9, e103587.	2.5	39
23	MiR-211/STAT5A Signaling Modulates Migration of Mesenchymal Stem Cells to Improve its Therapeutic Efficacy. <i>Stem Cells</i> , 2016, 34, 1846-1858.	3.2	39
24	RBP EIF2S2 Promotes Tumorigenesis and Progression by Regulating MYC-Mediated Inhibition via FHIT-Related Enhancers. <i>Molecular Therapy</i> , 2020, 28, 1105-1118.	8.2	37
25	Greener extraction process and enhanced in vivo bioavailability of bioactive components from <i>Carthamus tinctorius</i> L. by natural deep eutectic solvents. <i>Food Chemistry</i> , 2021, 348, 129090.	8.2	35
26	Adiponectin determines farnesoid X receptor agonism-mediated cardioprotection against post-infarction remodelling and dysfunction. <i>Cardiovascular Research</i> , 2018, 114, 1335-1349.	3.8	31
27	YiQiFuMai Powder Injection Attenuates Coronary Artery Ligation-Induced Heart Failure Through Improving Mitochondrial Function via Regulating ROS Generation and CaMKII Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2019, 10, 381.	3.5	31
28	Stability of bonds made to superficial vs. deep dentin, before and after thermocycling. <i>Dental Materials</i> , 2014, 30, 1245-1251.	3.5	30
29	Resistin promotes cardiac homing of mesenchymal stem cells and functional recovery after myocardial ischemia-reperfusion via the ERK1/2-MMP-9 pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H233-H244.	3.2	27
30	Corrigendum. <i>Stem Cells</i> , 2019, 37, E3-E3.	3.2	25
31	Antibacterial Activity and Bonding Ability of an Orthodontic Adhesive Containing the Antibacterial Monomer 2-Methacryloxyethyl Hexadecyl Methyl Ammonium Bromide. <i>Scientific Reports</i> , 2017, 7, 41787.	3.3	24
32	Epigallocatechin-3-gallate and Epigallocatechin-3-O-(3-O-methyl)-gallate Enhance the Bonding Stability of an Etch-and-Rinse Adhesive to Dentin. <i>Materials</i> , 2017, 10, 183.	2.9	23
33	Isocyanate-terminated urethane-based dental adhesive bridges dentinal matrix collagen with adhesive resin. <i>Acta Biomaterialia</i> , 2019, 83, 140-152.	8.3	23
34	Hydroxysafflor yellow A and anhydrosafflor yellow B alleviate ferroptosis and parthanatos in PC12 cells injured by OGD/R. <i>Free Radical Biology and Medicine</i> , 2022, 179, 1-10.	2.9	22
35	Effect of an Antibacterial Monomer on the Antibacterial Activity of a Pit-and-Fissure Sealant. <i>PLoS ONE</i> , 2016, 11, e0162281.	2.5	20
36	Glycoprotein M6B Interacts with TÎ²RI to Activate TGF-Î²-Smad2/3 Signaling and Promote Smooth Muscle Cell Differentiation. <i>Stem Cells</i> , 2019, 37, 190-201.	3.2	19

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37	Rechargeable calcium phosphate orthodontic cement with sustained ion release and re-release. <i>Scientific Reports</i> , 2016, 6, 36476.	3.3	17
38	Hongjingtian injection protects against myocardial ischemia reperfusion-induced apoptosis by blocking ROS induced autophagic- flux. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111205.	5.6	17
39	Investigation of Invigorating Qi and Activating Blood Circulation Prescriptions in Treating Qi Deficiency and Blood Stasis Syndrome of Ischemic Stroke Patients: Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Pharmacology</i> , 2020, 11, 892.	3.5	15
40	Polyetheretherketone versus titanium CAD-CAM framework for implant-supported fixed complete dentures: a retrospective study with up to 5-year follow-up. <i>Journal of Prosthodontic Research</i> , 2022, 66, 279-287.	2.8	14
41	The effect of active components from citrus fruits on dentin MMPs. <i>Archives of Oral Biology</i> , 2017, 83, 111-117.	1.8	13
42	YiQiFuMai powder injection ameliorates chronic heart failure through cross-talk between adipose tissue and cardiomyocytes via up-regulation of circulating adipokine omentin. <i>Biomedicine and Pharmacotherapy</i> , 2019, 119, 109418.	5.6	13
43	An integrative strategy for discovery of functional compound combination from Traditional Chinese Medicine: Danhong Injection as a model. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111451.	5.6	13
44	Excessive branched-chain amino acid accumulation restricts mesenchymal stem cell-based therapy efficacy in myocardial infarction. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	17.1	13
45	Dan Hong Injection Protects Against Cardiomyocytes Apoptosis by Maintaining Mitochondrial Integrity Through Keap1/Nuclear Factor Erythroid 2-Related Factor 2/JNK Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 591197.	3.5	11
46	Long Non-coding RNA TDRKH-AS1 Promotes Colorectal Cancer Cell Proliferation and Invasion Through the β -Catenin Activated Wnt Signaling Pathway. <i>Frontiers in Oncology</i> , 2020, 10, 639.	2.8	11
47	Cardioprotective effect of ginsenoside Rb1 via regulating metabolomics profiling and AMP-activated protein kinase-dependent mitophagy. <i>Journal of Ginseng Research</i> , 2022, 46, 255-265.	5.7	11
48	Recent Advances in Chinese Herbal Medicine for Cerebral Ischemic Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2021, 12, 688596.	3.5	11
49	Hongjingtian Injection Attenuates Myocardial Oxidative Damage via Promoting Autophagy and Inhibiting Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-11.	4.0	10
50	Mechanisms dissection of the combination GRS derived from ShengMai preparations for the treatment of myocardial ischemia/reperfusion injury. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113381.	4.1	10
51	Evaluation of the antibacterial effects and mechanism of Plantaricin 149 from <i>Lactobacillus plantarum</i> NRIC 149 on the peri-implantitis pathogens. <i>Scientific Reports</i> , 2021, 11, 21022.	3.3	10
52	FMO2 (Flavin Containing Monooxygenase 2) Prevents Cardiac Fibrosis via CYP2J3-SMURF2 Axis. <i>Circulation Research</i> , 2022, 131, 189-206.	4.5	10
53	Adhesive Materials with Bioprotective/Biopromoting Functions. <i>Current Oral Health Reports</i> , 2014, 1, 213-221.	1.6	9
54	Effects of Epigallocatechin-3-gallate (EGCG) on the bond strength of fiber posts to Sodium hypochlorite (NaOCl) treated intraradicular dentin. <i>Scientific Reports</i> , 2017, 7, 4235.	3.3	9

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55	Total flavonoids from <i>Astragalus</i> alleviate endothelial dysfunction by activating the Akt/eNOS pathway. <i>Journal of International Medical Research</i> , 2018, 46, 2096-2103.	1.0	8
56	Thioredoxin-1 promotes macrophage reverse cholesterol transport and protects liver from steatosis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 1103-1109.	2.1	8
57	Disinfection methods of dental unit waterlines contamination: a systematic review. <i>Journal of Medical Microbiology</i> , 2022, 71, .	1.8	8
58	Effect of curing modes of dual-curing luting systems and root regions on retention of translucent fiber posts in root canals. <i>Journal of Adhesive Dentistry</i> , 2008, 10, 219-26.	0.5	7
59	Effects of disinfectants on physical properties of denture base resins: A systematic review and meta-analysis. <i>Journal of Prosthetic Dentistry</i> , 2022, , .	2.8	5
60	Nucleostemin dysregulation contributes to ischemic vulnerability of diabetic hearts: Role of ribosomal biogenesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 108, 106-113.	1.9	4
61	Hepatoma-Derived Growth Factor Secreted from Mesenchymal Stem Cells Reduces Myocardial Ischemia-Reperfusion Injury. <i>Stem Cells International</i> , 2017, 2017, 1-12.	2.5	4
62	Matrine suppresses cell growth of diffuse large B-cell lymphoma via inhibiting CaMKII β /c-Myc/CDK6 signaling pathway. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 163.	2.7	4
63	Do phosphoric acid esters affect the immediate enamel bond strengths?. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2498-2510.	2.6	3
64	Development of a dual screening strategy to identify pro-angiogenic compounds from natural products: application on Tongmai Yangxin Pills. <i>RSC Advances</i> , 2016, 6, 115308-115316.	3.6	3
65	The effect of Guanxin Shutong capsule on alleviating the myocardial fibrosis in heart failure rats. <i>Journal of Ethnopharmacology</i> , 2021, 275, 114169.	4.1	3
66	Comparison of Buyang Huanwu granules and Naoxintong capsules in the treatment of stable angina pectoris: rationale and design of a randomized, blinded, multicentre clinical trial. <i>Trials</i> , 2022, 23, 65.	1.6	3
67	Effects of Guanxinshutong Capsules as Complementary Treatment in Patients With Chronic Heart Failure: Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Pharmacology</i> , 2020, 11, 571106.	3.5	2
68	Safety of Neoadjuvant Immunotherapy in Resectable Cancers: A Meta-Analysis. <i>Frontiers in Immunology</i> , 2022, 13, 802672.	4.8	2
69	A study of weekly docetaxel and carboplatin as first-line chemotherapy for advanced non-small cell lung cancer. <i>Journal of Thoracic Disease</i> , 2014, 6, 79-85.	1.4	1
70	Astragaloside IV Alleviates Infarction Induced Cardiomyocyte Injury by Improving Mitochondrial Morphology and Function. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 810541.	2.4	1
71	The role of salt ions and organic molecules in the self-assembled nanolayering. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 81-89.	2.6	0