

# Songtao Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

15,265  
citations

53794

45  
h-index

62596

80  
g-index

85  
all docs

85  
docs citations

85  
times ranked

14487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal stem cells empower T cells in the lymph nodes via MCP-1/PD-L1 axis. <i>Cell Death and Disease</i> , 2022, 13, 365.	6.3	2
2	Electrostatic Charge-Mediated Apoptotic Vesicle Biodistribution Attenuates Sepsis by Switching Neutrophil NETosis to Apoptosis. <i>Small</i> , 2022, 18, e2200306.	10.0	19
3	Stem Cells from Human Exfoliated Deciduous Teeth Ameliorate Autistic-Like Behaviors of <i>SHANK3</i> Mutant Beagle Dogs. <i>Stem Cells Translational Medicine</i> , 2022, 11, 778-789.	3.3	4
4	Apoptotic vesicles inherit SOX2 from pluripotent stem cells to accelerate wound healing by energizing mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2022, 149, 258-272.	8.3	16
5	Autophagy controls mesenchymal stem cell therapy in psychological stress colitis mice. <i>Autophagy</i> , 2021, 17, 2586-2603.	9.1	15
6	Exosomes from TNF- $\alpha$ -treated human gingiva-derived MSCs enhance M2 macrophage polarization and inhibit periodontal bone loss. <i>Acta Biomaterialia</i> , 2021, 122, 306-324.	8.3	203
7	Therapeutic Potential of Stem Cells from Human Exfoliated Deciduous Teeth Infusion into Patients with Type 2 Diabetes Depends on Basal Lipid Levels and Islet Function. <i>Stem Cells Translational Medicine</i> , 2021, 10, 956-967.	3.3	15
8	Apoptotic vesicles restore liver macrophage homeostasis to counteract type 2 diabetes. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12109.	12.2	90
9	Emerging understanding of apoptosis in mediating mesenchymal stem cell therapy. <i>Cell Death and Disease</i> , 2021, 12, 596.	6.3	42
10	CD146 controls the quality of clinical grade mesenchymal stem cells from human dental pulp. <i>Stem Cell Research and Therapy</i> , 2021, 12, 488.	5.5	26
11	Apoptotic Extracellular Vesicles Ameliorate Multiple Myeloma by Restoring Fas-Mediated Apoptosis. <i>ACS Nano</i> , 2021, 15, 14360-14372.	14.6	47
12	Dephosphorylation of Caveolin-1 Controls C-X-C Motif Chemokine Ligand 10 Secretion in Mesenchymal Stem Cells to Regulate the Process of Wound Healing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 725630.	3.7	2
13	Dental Pulp Stem Cells: From Discovery to Clinical Application. <i>Journal of Endodontics</i> , 2020, 46, S46-S55.	3.1	64
14	Ionomycin ameliorates hypophosphatasia via rescuing alkaline phosphatase deficiency-mediated L-type Ca <sup>2+</sup> channel internalization in mesenchymal stem cells. <i>Bone Research</i> , 2020, 8, 19.	11.4	9
15	Mechanical force-driven TNF- $\alpha$ endocytosis governs stem cell homeostasis. <i>Bone Research</i> , 2020, 8, 44.	11.4	13
16	Clearance of apoptotic cells by mesenchymal stem cells contributes to immunosuppression via PGE <sub>2</sub> . <i>EBioMedicine</i> , 2019, 45, 341-350.	6.1	56
17	Transplantation of dental tissue-derived mesenchymal stem cells ameliorates nephritis in lupus mice. <i>Annals of Translational Medicine</i> , 2019, 7, 132-132.	1.7	22
18	Mesenchymal stem cell transplantation alleviates experimental Sjögren's syndrome through IFN- $\gamma$ /IL-27 signaling axis. <i>Theranostics</i> , 2019, 9, 8253-8265.	10.0	42

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19	Inhibition of Tet1- and Tet2-mediated DNA demethylation promotes immunomodulation of periodontal ligament stem cells. <i>Cell Death and Disease</i> , 2019, 10, 780.	6.3	27
20	Specific functions of TET1 and TET2 in regulating mesenchymal cell lineage determination. <i>Epigenetics and Chromatin</i> , 2019, 12, 3.	3.9	53
21	MicroRNA-663 induces immune dysregulation by inhibiting TGF- $\beta$ 2 production in bone marrow-derived mesenchymal stem cells in patients with systemic lupus erythematosus. <i>Cellular and Molecular Immunology</i> , 2019, 16, 260-274.	10.5	50
22	PD-1 is required to maintain stem cell properties in human dental pulp stem cells. <i>Cell Death and Differentiation</i> , 2018, 25, 1350-1360.	11.2	31
23	A Long-Term Follow-Up Study of Allogeneic Mesenchymal Stem/Stromal Cell Transplantation in Patients with Drug-Resistant Systemic Lupus Erythematosus. <i>Stem Cell Reports</i> , 2018, 10, 933-941.	4.8	79
24	The Fas/Fap-1/Cav-1 complex regulates IL-1RA secretion in mesenchymal stem cells to accelerate wound healing. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	131
25	Evidence for Kaposi Sarcoma Originating from Mesenchymal Stem Cell through KSHV-induced Mesenchymal-to-Endothelial Transition. <i>Cancer Research</i> , 2018, 78, 230-245.	0.9	63
26	Alpl prevents bone ageing sensitivity by specifically regulating senescence and differentiation in mesenchymal stem cells. <i>Bone Research</i> , 2018, 6, 27.	11.4	50
27	Hydrogen sulfide maintains dental pulp stem cell function via TRPV1-mediated calcium influx. <i>Cell Death Discovery</i> , 2018, 4, 1.	4.7	43
28	Circulating apoptotic bodies maintain mesenchymal stem cell homeostasis and ameliorate osteopenia via transferring multiple cellular factors. <i>Cell Research</i> , 2018, 28, 918-933.	12.0	165
29	Hydrogen sulfide promotes immunomodulation of gingiva-derived mesenchymal stem cells via the Fas/FasL coupling pathway. <i>Stem Cell Research and Therapy</i> , 2018, 9, 62.	5.5	33
30	Association between Type I interferon and depletion and dysfunction of endothelial progenitor cells in C57BL/6 mice deficient in both apolipoprotein E and Fas ligand. <i>Current Research in Translational Medicine</i> , 2018, 66, 71-82.	1.8	8
31	Deciduous autologous tooth stem cells regenerate dental pulp after implantation into injured teeth. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	300
32	Tet1 and Tet2 maintain mesenchymal stem cell homeostasis via demethylation of the P2RX7 promoter. <i>Nature Communications</i> , 2018, 9, 2143.	12.8	85
33	Mesenchymal Stem Cells Control Complement C5 Activation by Factor H in Lupus Nephritis. <i>EBioMedicine</i> , 2018, 32, 21-30.	6.1	26
34	Mesenchymal stem cell transplantation in tight-skin mice identifies miR-151-5p as a therapeutic target for systemic sclerosis. <i>Cell Research</i> , 2017, 27, 559-577.	12.0	89
35	Mesenchymal Stem Cells and Their Role in Dental Medicine. <i>Dental Clinics of North America</i> , 2017, 61, 161-172.	1.8	12
36	A Method to Isolate, Purify, and Characterize Human Periodontal Ligament Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1537, 413-427.	0.9	31

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37	Alginate/hyaluronic acid hydrogel delivery system characteristics regulate the differentiation of periodontal ligament stem cells toward chondrogenic lineage. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 162.	3.6	47
38	Cellular and molecular mechanisms of alcohol-induced osteopenia. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4443-4453.	5.4	60
39	IL-36 Induces Bisphosphonate-Related Osteonecrosis of the Jaw-Like Lesions in Mice by Inhibiting TGF- $\beta$ -Mediated Collagen Expression. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 309-318.	2.8	35
40	Gingival Mesenchymal Stem Cell (GMSC) Delivery System Based on RGD-Coupled Alginate Hydrogel with Antimicrobial Properties: A Novel Treatment Modality for Peri-Implantitis. <i>Journal of Prosthodontics</i> , 2016, 25, 105-115.	3.7	69
41	Wnt/ $\beta$ -Catenin Signaling Determines the Vasculogenic Fate of Postnatal Mesenchymal Stem Cells. <i>Stem Cells</i> , 2016, 34, 1576-1587.	3.2	109
42	Chronic High Dose Alcohol Induces Osteopenia via Activation of mTOR Signaling in Bone Marrow Mesenchymal Stem Cells. <i>Stem Cells</i> , 2016, 34, 2157-2168.	3.2	51
43	TOOTH (The Open study Of dental pulp stem cell Therapy in Humans): Study protocol for evaluating safety and feasibility of autologous human adult dental pulp stem cell therapy in patients with chronic disability after stroke. <i>International Journal of Stroke</i> , 2016, 11, 575-585.	5.9	44
44	Treatment of periodontal intrabony defects using autologous periodontal ligament stem cells: a randomized clinical trial. <i>Stem Cell Research and Therapy</i> , 2016, 7, 33.	5.5	229
45	Alcohol-induced suppression of KDM6B dysregulates the mineralization potential in dental pulp stem cells. <i>Stem Cell Research</i> , 2016, 17, 111-121.	0.7	39
46	Transplantation of gingiva-derived mesenchymal stem cells ameliorates collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 262.	3.5	32
47	Interferon-gamma improves impaired dentinogenic and immunosuppressive functions of irreversible pulpitis-derived human dental pulp stem cells. <i>Scientific Reports</i> , 2016, 6, 19286.	3.3	31
48	Mutations in WNT10B Are Identified in Individuals with Oligodontia. <i>American Journal of Human Genetics</i> , 2016, 99, 195-201.	6.2	91
49	Muscle Tissue Engineering Using Gingival Mesenchymal Stem Cells Encapsulated in Alginate Hydrogels Containing Multiple Growth Factors. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1908-1920.	2.5	71
50	Nanofibrous spongy microspheres for the delivery of hypoxia-primed human dental pulp stem cells to regenerate vascularized dental pulp. <i>Acta Biomaterialia</i> , 2016, 33, 225-234.	8.3	107
51	Human Mesenchymal Stem Cells of Diverse Origins Support Persistent Infection with Kaposi's Sarcoma-Associated Herpesvirus and Manifest Distinct Angiogenic, Invasive, and Transforming Phenotypes. <i>MBio</i> , 2016, 7, e02109-15.	4.1	38
52	Allogeneic mesenchymal stem cells inhibited T follicular helper cell generation in rheumatoid arthritis. <i>Scientific Reports</i> , 2015, 5, 12777.	3.3	65
53	In vivo hepatogenic capacity and therapeutic potential of stem cells from human exfoliated deciduous teeth in liver fibrosis in mice. <i>Stem Cell Research and Therapy</i> , 2015, 6, 171.	5.5	67
54	Regulation of the Stem Cell-Host Immune System Interplay Using Hydrogel Coencapsulation System with an Anti-Inflammatory Drug. <i>Advanced Functional Materials</i> , 2015, 25, 2296-2307.	14.9	66

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55	Transplantation of mesenchymal stem cells ameliorates secondary osteoporosis through interleukin-17-impaired functions of recipient bone marrow mesenchymal stem cells in MRL/lpr mice. <i>Stem Cell Research and Therapy</i> , 2015, 6, 104.	5.5	53
56	Fabrication, characterization and cell cultures on a novel chitosan scaffold. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 121-135.	0.6	4
57	Organ-Level Quorum Sensing Directs Regeneration in Hair Stem Cell Populations. <i>Cell</i> , 2015, 161, 277-290.	28.9	195
58	Hydrogen Sulfide Promotes Tet1- and Tet2-Mediated Foxp3 Demethylation to Drive Regulatory T Cell Differentiation and Maintain Immune Homeostasis. <i>Immunity</i> , 2015, 43, 251-263.	14.3	276
59	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. <i>Cell Metabolism</i> , 2015, 22, 606-618.	16.2	195
60	mTOR inhibition rescues osteopenia in mice with systemic sclerosis. <i>Journal of Experimental Medicine</i> , 2015, 212, 73-91.	8.5	67
61	Mesenchymal Stem Cells: Diseases and Cure. <i>FASEB Journal</i> , 2015, 29, 359.2.	0.5	0
62	Chondrogenesis in scleral stem/progenitor cells and its association with form-deprived myopia in mice. <i>Molecular Vision</i> , 2015, 21, 138-47.	1.1	14
63	Impaired Bone Resorption and Woven Bone Formation Are Associated with Development of Osteonecrosis of the Jaw-Like Lesions by Bisphosphonate and Anti- $\alpha$ Receptor Activator of NF- $\kappa$ B Ligand Antibody in Mice. <i>American Journal of Pathology</i> , 2014, 184, 3084-3093.	3.8	74
64	Secretion of Shh by a Neurovascular Bundle Niche Supports Mesenchymal Stem Cell Homeostasis in the Adult Mouse Incisor. <i>Cell Stem Cell</i> , 2014, 14, 160-173.	11.1	350
65	Application of stem cells derived from the periodontal ligament or gingival tissue sources for tendon tissue regeneration. <i>Biomaterials</i> , 2014, 35, 2642-2650.	11.4	111
66	Impaired B Cell Inhibition by Lupus Bone Marrow Mesenchymal Stem Cells Is Caused by Reduced CCL2 Expression. <i>Journal of Immunology</i> , 2014, 193, 5306-5314.	0.8	71
67	Hydrogen Sulfide Maintains Mesenchymal Stem Cell Function and Bone Homeostasis via Regulation of Ca <sup>2+</sup> Channel Sulfhydration. <i>Cell Stem Cell</i> , 2014, 15, 66-78.	11.1	213
68	Evaluation of serum biomarkers IL-17 and CTX for BRONJ: a pilot clinical case-control study. <i>Journal of the California Dental Association</i> , 2013, 41, 819-23.	0.1	2
69	Mesenchymal-Stem-Cell-Induced Immunoregulation Involves FAS-Ligand-/FAS-Mediated T Cell Apoptosis. <i>Cell Stem Cell</i> , 2012, 10, 544-555.	11.1	608
70	Cryopreserved Dental Pulp Tissues of Exfoliated Deciduous Teeth Is a Feasible Stem Cell Resource for Regenerative Medicine. <i>PLoS ONE</i> , 2012, 7, e51777.	2.5	133
71	Mesenchymal stem cell-based tissue regeneration is governed by recipient T lymphocytes via IFN- $\gamma$ and TNF- $\alpha$ . <i>Nature Medicine</i> , 2011, 17, 1594-1601.	30.7	551
72	Immunomodulatory properties of stem cells from human exfoliated deciduous teeth. <i>Stem Cell Research and Therapy</i> , 2010, 1, 5.	5.5	280

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73	Mesenchymal Stem Cells Derived from Human Gingiva Are Capable of Immunomodulatory Functions and Ameliorate Inflammation-Related Tissue Destruction in Experimental Colitis. <i>Journal of Immunology</i> , 2009, 183, 7787-7798.	0.8	673
74	Emerging opportunities for the next generation of dental implants?. <i>Dentistry Today</i> , 2009, 28, 98-9.	0.1	3
75	Identification of tendon stem/progenitor cells and the role of the extracellular matrix in their niche. <i>Nature Medicine</i> , 2007, 13, 1219-1227.	30.7	1,211
76	Stromal-derived factor-1 promotes the growth, survival, and development of human bone marrow stromal stem cells. <i>Blood</i> , 2005, 105, 3793-3801.	1.4	341
77	Investigation of multipotent postnatal stem cells from human periodontal ligament. <i>Lancet, The</i> , 2004, 364, 149-155.	13.7	2,920
78	Perivascular Niche of Postnatal Mesenchymal Stem Cells in Human Bone Marrow and Dental Pulp. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 696-704.	2.8	1,266
79	SHED: Stem cells from human exfoliated deciduous teeth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5807-5812.	7.1	2,404
80	Management of aldose reductase mRNA abundance in rat lens undergoing reversal of galactose induced cataracts. A model for gene response to changes in the environment. <i>Molecular and Cellular Biochemistry</i> , 1990, 95, 55-60.	3.1	9
81	Multipotent Stem Cells in Dental Pulp. , 0, , 187-206.		3