Kang-Lai Tang

List of Publications by Year
in descending order

58 papers	1,196 citations	361413 20 h-index	434195 31 g-index
76 all docs	76 docs citations	76 times ranked	1362 citing authors

#	Article	IF	Citations
1	Aspirin inhibits inflammation and scar formation in the injury tendon healing through regulating JNK/STATâ€3 signalling pathway. Cell Proliferation, 2019, 52, e12650.	5.3	93
2	Exosomes from tendon stem cells promote injury tendon healing through balancing synthesis and degradation of the tendon extracellular matrix. Journal of Cellular and Molecular Medicine, 2019, 23, 5475-5485.	3.6	83
3	Rising Mesopores to Realize Direct Electrochemistry of Glucose Oxidase toward Highly Sensitive Detection of Glucose. Advanced Functional Materials, 2019, 29, 1903026.	14.9	71
4	Exosomes Derived from Bone Marrow Stromal Cells (BMSCs) Enhance Tendon-Bone Healing by Regulating Macrophage Polarization. Medical Science Monitor, 2020, 26, e923328.	1.1	70
5	Interleukin-15 facilitates muscle regeneration through modulation of fibro/adipogenic progenitors. Cell Communication and Signaling, 2018, 16, 42.	6.5	56
6	Arthroscopically Assisted Percutaneous Repair of Fresh Closed Achilles Tendon Rupture by Kessler's Suture. American Journal of Sports Medicine, 2007, 35, 589-596.	4.2	44
7	Dexamethasone inhibits the differentiation of rat tendon stem cells into tenocytes by targeting the scleraxis gene. Journal of Steroid Biochemistry and Molecular Biology, 2015, 152, 16-24.	2.5	36
8	Metalâ€“organic framework-derived yolkâ€“shell hollow Ni/NiO@C microspheres for bifunctional non-enzymatic glucose and hydrogen peroxide biosensors. Journal of Materials Science, 2021, 56, 442-456.	3.7	36
9	Structural Engineering of Hollow Microflower-like CuS@C Hybrids as Versatile Electrochemical Sensing Platform for Highly Sensitive Hydrogen Peroxide and Hydrazine Detection. ACS Applied Materials & Interfaces, 2021, 13, 40942-40952.	8.0	31
10	MiR-6924-5p-rich exosomes derived from genetically modified Scleraxis-overexpressing PDGFRÎ±(+) BMMSCs as novel nanotherapeutics for treating osteolysis during tendon-bone healing and improving healing strength. Biomaterials, 2021, 279, 121242.	11.4	31
11	Peri-Navicular Arthrodesis for the Stage III MÃ¼ller-Weiss Disease. Foot and Ankle International, 2012, 33, 475-478.	2.3	30
12	Effect of Tendon Stem Cells in Chitosan/Î²-Glycerophosphate/Collagen Hydrogel on Achilles Tendon Healing in a Rat Model. Medical Science Monitor, 2017, 23, 4633-4643.	1.1	30
13	Aspirin inhibits adipogenesis of tendon stem cells and lipids accumulation in rat injury tendon through regulating PTEN/PI3K/AKT signalling. Journal of Cellular and Molecular Medicine, 2019, 23, 7535-7544.	3.6	27
14	Intermediate Results of Large Cystic Medial Osteochondral Lesions of the Talus Treated With Osteoperiosteal Cylinder Autografts From the MedialÂTibia. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2015, 31, 1557-1564.	2.7	26
15	Molecular functions of FSTL1 in the osteoarthritis. International Immunopharmacology, 2020, 83, 106465.	3.8	24
16	Arthroscopically Assisted Ankle Fusion in Patients With End-Stage Tuberculosis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2007, 23, 919-922.	2.7	23
17	Surgical procedures for treatment of adult acquired flatfoot deformity: a network meta-analysis. Journal of Orthopaedic Surgery and Research, 2019, 14, 62.	2.3	23
18	Downregulation of CITED2 contributes to TGFÎ²-mediated senescence of tendon-derived stem cells. Cell and Tissue Research, 2017, 368, 93-104.	2.9	22

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19	High Concentration of Aspirin Induces Apoptosis in Rat Tendon Stem Cells via Inhibition of the Wnt/Î²-Catenin Pathway. Cellular Physiology and Biochemistry, 2018, 50, 2046-2059.	1.6	22
20	Single-Atom Iron Anchored on 2-D Graphene Carbon to Realize Bridge-Adsorption of Oâ€“O as Biomimetic Enzyme for Remarkably Sensitive Electrochemical Detection of H₂O₂. Analytical Chemistry, 2022, 94, 14109-14117.	6.5	22
21	Aspirin promotes tenogenic differentiation of tendon stem cells and facilitates tendinopathy healing through regulating the GDF7/Smad1/5 signaling pathway. Journal of Cellular Physiology, 2020, 235, 4778-4789.	4.1	21
22	Porous Molybdenum Carbide Nanostructured Catalyst toward Highly Sensitive Biomimetic Sensing of H₂O₂. Electroanalysis, 2020, 32, 1243-1250.	2.9	21
23	Medial Displacement Calcaneal Osteotomy with Posterior Tibial Tendon Reconstruction for the Flexible Flatfoot with Symptomatic Accessory Navicular. Journal of Foot and Ankle Surgery, 2014, 53, 539-543.	1.0	20
24	Isolated talonavicular arthrodesis and talonavicular-cuneiform arthrodesis for the MÃ¼ller-Weiss disease. Journal of Orthopaedic Surgery and Research, 2017, 12, 83.	2.3	19
25	Bioinspired Synergy Sensor Chip of Photonic Crystals-Graphene Oxide for Multiamines Recognition. Analytical Chemistry, 2018, 90, 6371-6375.	6.5	19
26	A prospective study of midfoot osteotomy combined with adjacent joint sparing internal fixation in treatment of rigid pes cavus deformity. Journal of Orthopaedic Surgery and Research, 2014, 9, 44.	2.3	18
27	Uniaxial repetitive mechanical overloading induces influx of extracellular calcium and cytoskeleton disruption in human tenocytes. Cell and Tissue Research, 2015, 359, 577-587.	2.9	18
28	Tibiotalocalcaneal arthrodesis with headless compression screws. Journal of Orthopaedic Surgery and Research, 2016, 11, 91.	2.3	18
29	Mechanism of osteogenic and adipogenic differentiation of tendon stem cells induced by sirtuin 1. Molecular Medicine Reports, 2016, 14, 1643-1648.	2.4	18
30	Absence of estrogen receptor beta leads to abnormal adipogenesis during early tendon healing by an upâ€regulation of PPARÎ³ signalling. Journal of Cellular and Molecular Medicine, 2019, 23, 7406-7416.	3.6	18
31	Comparison of dorsal closing wedge calcaneal osteotomy versus posterosuperior prominence resection for the treatment of Haglund syndrome. Journal of Orthopaedic Surgery and Research, 2020, 15, 168.	2.3	18
32	Insulin-Like Growth Factor-1 and Bone Morphogenetic Protein-2 Jointly Mediate Prostaglandin E2-Induced Adipogenic Differentiation of Rat Tendon Stem Cells. PLoS ONE, 2014, 9, e85469.	2.5	18
33	Clavicular non-union treated with fixation using locking compression plate without bone graft. Journal of Orthopaedic Surgery and Research, 2018, 13, 317.	2.3	16
34	Differential efficacy of subtalar fusion with three operative approaches. Journal of Orthopaedic Surgery and Research, 2014, 9, 115.	2.3	14
35	Conjoint analysis of lncRNA and mRNA expression in rotator cuff tendinopathy. Annals of Translational Medicine, 2020, 8, 335-335.	1.7	13
36	A controllable synthesis of hollow pumpkin-like CuO/Cu₂O composites for ultrasensitive non-enzymatic glucose and hydrogen peroxide biosensors. New Journal of Chemistry, 2020, 44, 20411-20418.	2.8	11

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37	Single-Cell Profiling of Tumor Microenvironment Heterogeneity in Osteosarcoma Identifies a Highly Invasive Subcluster for Predicting Prognosis. Frontiers in Oncology, 2022, 12, 732862.	2.8	11
38	Advancement in Arthroscopic Superior Capsular Reconstruction for Irreparable Massive Rotator Cuff Tear. Orthopaedic Surgery, 2021, 13, 1951-1959.	1.8	10
39	Bionic Silk Fibroin Film Induces Morphological Changes and Differentiation of Tendon Stem/Progenitor Cells. Applied Bionics and Biomechanics, 2020, 2020, 1-10.	1.1	10
40	Downregulation of type I collagen expression in the Achilles tendon by dexamethasone: a controlled laboratory study. Journal of Orthopaedic Surgery and Research, 2020, 15, 70.	2.3	9
41	Individual headless compression screws fixed with three-dimensional image processing technology improves fusion rates of isolated talonavicular arthrodesis. Journal of Orthopaedic Surgery and Research, 2017, 12, 17.	2.3	8
42	Initial stability and stress distribution of ankle arthroscopic arthrodesis with three kinds of 2-screw configuration fixation: a finite element analysis. Journal of Orthopaedic Surgery and Research, 2018, 13, 263.	2.3	7
43	The absence of oestrogen receptor beta disturbs collagen I type deposition during Achilles tendon healing by regulating the IRF5â€CCL3 axis. Journal of Cellular and Molecular Medicine, 2020, 24, 9925-9935.	3.6	7
44	Adipogenic differentiation was inhibited by downregulation of PPARÎ³ signaling pathway in aging tendon stem/progenitor cells. Journal of Orthopaedic Surgery and Research, 2021, 16, 614.	2.3	7
45	Bionic Silk Fibroin Film Promotes Tenogenic Differentiation of Tendon Stem/Progenitor Cells by Activating Focal Adhesion Kinase. Stem Cells International, 2020, 2020, 1-10.	2.5	6
46	Individualized coracoid osteotomy and 3D congruent arc reconstruction of glenoid for the treatment of recurrent anterior shoulder dislocation. Journal of Orthopaedic Surgery and Research, 2017, 12, 193.	2.3	5
47	Histologic and biomechanical evaluation of the thoracolumbar fascia graft for massive rotator cuff tears in a rat model. Journal of Shoulder and Elbow Surgery, 2022, 31, 699-710.	2.6	5
48	A Synergistic Therapeutic Scheme for Hyperglycemia and Nephrotic Disorders in Diabetes. Theranostics, 2014, 4, 556-564.	10.0	3
49	Effects on Subtalar Joint Stress Distribution After Cannulated Screw Insertion at Different Positions and Directions. Journal of Foot and Ankle Surgery, 2015, 54, 920-926.	1.0	3
50	A Chip for Detecting Tuberculosis Drug Resistance Based on Polymerase Chain Reaction (PCR)-Magnetic Bead Molecule Platform. Frontiers in Microbiology, 2018, 9, 2106.	3.5	3
51	Porous Structure Design Using Parameterized Hexahedral Meshes and Triply Periodic Minimal Surfaces. , 2018, , .		3
52	Analysis of the stress distribution of the subtalar joint and fusion efficacy after double-screw insertion. Journal of Orthopaedic Surgery and Research, 2019, 14, 20.	2.3	3
53	Effects of aging on the histology and biochemistry of rat tendon healing. BMC Musculoskeletal Disorders, 2021, 22, 949.	1.9	3
54	Subscapular Bursa. Chinese Medical Journal, 2017, 130, 1739-1740.	2.3	2

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55	High-Energy Transsyndesmotic Ankle Fracture Dislocation: A Case Report and Systematic Literature Review. Case Reports in Orthopedics, 2018, 2018, 1-8.	0.3	2
56	Etiology, classification and clinical evaluation of partial-thickness tears of rotator cuff. Chinese Journal of Traumatology - English Edition, 2003, 6, 309-17.	1.4	1
57	Effect of Pore Size of Porous-Structured Titanium Implants on Tendon Ingrowth. Applied Bionics and Biomechanics, 2022, 2022, 1-11.	1.1	1
58	Comprehensive Analysis of the Effects of Genetic Ancestry and Genetic Characteristics on the Clinical Evolution of Oral Squamous Cell Carcinoma. Frontiers in Cell and Developmental Biology, 2021, 9, 678464.	3.7	0