## Kun Wang

## List of Publications by Year in descending order

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111	11,482	32	100
papers	citations	h-index	g-index
113 all docs	113 docs citations	113 times ranked	16005 citing authors

#	Article	IF	CITATIONS
1	Clinical Outcomes of Uniportal and Biportal Lumbar Endoscopic Unilateral Laminotomy for Bilateral Decompression in Patients with Lumbar Spinal Stenosis: A Retrospective Pair-Matched Case-Control Study. World Neurosurgery, 2022, 161, e134-e145.	1.3	17
2	Small extracellular vesicles with nanomorphology memory promote osteogenesis. Bioactive Materials, 2022, 17, 425-438.	15.6	13
3	CD137L-macrophage induce lymphatic endothelial cells autophagy to promote lymphangiogenesis in renal fibrosis. International Journal of Biological Sciences, 2022, 18, 1171-1187.	6.4	8
4	Cytosolic escape of mitochondrial DNA triggers cGAS-STING-NLRP3 axis-dependent nucleus pulposus cell pyroptosis. Experimental and Molecular Medicine, 2022, 54, 129-142.	7.7	94
5	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency. Clinical and Translational Medicine, 2022, 12, e765.	4.0	27
6	Interpreting the Pharmacological Mechanisms of Sho-saiko-to on Thyroid Carcinoma through Combining Network Pharmacology and Experimental Evaluation. ACS Omega, 2022, 7, 11166-11176.	3.5	2
7	WTAP-mediated m6A modification of IncRNA NORAD promotes intervertebral disc degeneration. Nature Communications, 2022, 13, 1469.	12.8	55
8	Comparison of the Clinical Outcomes of Fullâ€Endoscopic Visualized Foraminoplasty and Discectomy <i>Versus</i> Microdiscectomy for Lumbar Disc Herniation. Orthopaedic Surgery, 2022, 14, 280-289.	1.8	4
9	Minimizing adverse effects of Cerenkov radiation induced photodynamic therapy with transformable photosensitizer-loaded nanovesicles. Journal of Nanobiotechnology, 2022, 20, 203.	9.1	12
10	Conductive nanocomposite hydrogel and mesenchymal stem cells for the treatment of myocardial infarction and non-invasive monitoring via PET/CT. Journal of Nanobiotechnology, 2022, 20, 211.	9.1	15
11	Adjacent segment degeneration and spinal cord compression in rigid angular kyphosis of spinal tuberculosis and its intraoperative management strategy. Journal of Spinal Cord Medicine, 2021, 44, 375-382.	1.4	3
12	Acidâ€sensing ion channels regulate nucleus pulposus cell inflammation and pyroptosis via the NLRP3 inflammasome in intervertebral disc degeneration. Cell Proliferation, 2021, 54, e12941.	5.3	105
13	An in vivo study of the effect of c-Jun on intervertebral disc degeneration in rats. Bioengineered, 2021, 12, 4320-4330.	3.2	10
14	Nomograms based on SUVmax of 18F-FDG PET/CT and clinical parameters for predicting progression-free and overall survival in patients with newly diagnosed extranodal natural killer/T-cell lymphoma. Cancer Imaging, 2021, 21, 9.	2.8	10
15	Lymphangiogenesis in renal fibrosis arises from macrophages via VEGF-C/VEGFR3-dependent autophagy and polarization. Cell Death and Disease, 2021, 12, 109.	6.3	30
16	Mechanosensitive Ion Channel Piezo1 Activated by Matrix Stiffness Regulates Oxidative Stress-Induced Senescence and Apoptosis in Human Intervertebral Disc Degeneration. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	38
17	Identification of candidate genes associated with papillary thyroid carcinoma pathogenesis and progression by weighted gene co-expression network analysis. Translational Cancer Research, 2021, 10, 694-713.	1.0	2
18	Ferroportin-Dependent Iron Homeostasis Protects against Oxidative Stress-Induced Nucleus Pulposus Cell Ferroptosis and Ameliorates Intervertebral Disc Degeneration In Vivo. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	4.0	72

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19	Value of 18F-FDG Hybrid PET/MR in Differentiated Thyroid Cancer Patients with Negative 131I Whole-Body Scan and Elevated Thyroglobulin Levels. Cancer Management and Research, 2021, Volume 13, 2869-2876.	1.9	8
20	Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-22.	4.0	34
21	Autophagy-Based Unconventional Secretory for AIM2 Inflammasome Drives DNA Damage Resistance During Intervertebral Disc Degeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 672847.	3.7	5
22	FAM134B-Mediated ER-phagy Upregulation Attenuates AGEs-Induced Apoptosis and Senescence in Human Nucleus Pulposus Cells. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	4.0	8
23	Biomechanical Evaluation of Different Surgical Approaches for the Treatment of Adjacent Segment Diseases After Primary Anterior Cervical Discectomy and Fusion: A Finite Element Analysis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 718996.	4.1	9
24	Engineering Extracellular Vesicles Restore the Impaired Cellular Uptake and Attenuate Intervertebral Disc Degeneration. ACS Nano, 2021, 15, 14709-14724.	14.6	61
25	The REDD1/TXNIP Complex Accelerates Oxidative Stress-Induced Apoptosis of Nucleus Pulposus Cells through the Mitochondrial Pathway. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-22.	4.0	15
26	The distinct roles of myosin IIA and IIB under compression stress in nucleus pulposus cells. Cell Proliferation, 2021, 54, e12987.	5.3	13
27	Opening wedge phalangeal osteotomy for correction of Wassel type IV-D thumb duplication. Handchirurgie Mikrochirurgie Plastische Chirurgie, 2020, 52, 147-150.	0.3	4
28	Icariin protects human nucleus pulposus cells from hydrogen peroxide-induced mitochondria-mediated apoptosis by activating nuclear factor erythroid 2-related factor 2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165575.	3.8	37
29	IncRNA HOTAIR upregulates autophagy to promote apoptosis and senescence of nucleus pulposus cells. Journal of Cellular Physiology, 2020, 235, 2195-2208.	4.1	44
30	GSPE alleviates renal fibrosis by inhibiting the activation of C3/ HMGB1/ TGF- $\hat{l}^2$ 1 pathway. Chemico-Biological Interactions, 2020, 316, 108926.	4.0	16
31	Dexamethasone promotes mesenchymal stem cell apoptosis and inhibits osteogenesis by disrupting mitochondrial dynamics. FEBS Open Bio, 2020, 10, 211-220.	2.3	20
32	Monocyte lymphocyte ratio predicts the new-onset of chronic kidney disease: A cohort study. Clinica Chimica Acta, 2020, 503, 181-189.	1.1	14
33	Osteointegration of 3D-Printed Fully Porous Polyetheretherketone Scaffolds with Different Pore Sizes. ACS Omega, 2020, 5, 26655-26666.	3.5	44
34	CircCOG8 Downregulation Contributes to the Compression-Induced Intervertebral Disk Degeneration by Targeting miR-182-5p and FOXO3. Frontiers in Cell and Developmental Biology, 2020, 8, 581941.	3.7	5
35	The Incidence, Risk Factors, and Prognosis of Acute Kidney Injury in Adult Patients with Coronavirus Disease 2019. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 1394-1402.	4.5	81
36	Clinical Characteristics and Short-Term Outcomes of Severe Patients With COVID-19 in Wuhan, China. Frontiers in Medicine, 2020, 7, 491.	2.6	43

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37	Prognostic IncRNA, miRNA, and mRNA Signatures in Papillary Thyroid Carcinoma. Frontiers in Genetics, 2020, 11, 805.	2.3	9
38	Allicin Attenuated Advanced Oxidation Protein Product-Induced Oxidative Stress and Mitochondrial Apoptosis in Human Nucleus Pulposus Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	4.0	28
39	Clinical and Laboratory Predictors of In-hospital Mortality in Patients With Coronavirus Disease-2019: A Cohort Study in Wuhan, China. Clinical Infectious Diseases, 2020, 71, 2079-2088.	5.8	230
40	Early decrease in blood platelet count is associated with poor prognosis in COVID-19 patients—indications for predictive, preventive, and personalized medical approach. EPMA Journal, 2020, 11, 139-145.	6.1	82
41	Kidney disease is associated with in-hospital death of patients with COVID-19. Kidney International, 2020, 97, 829-838.	5.2	2,075
42	Association between the non-HDL-cholesterol-to-HDL-cholesterol ratio and the risk of gallbladder polyp formation among men: a retrospective cohort study. Lipids in Health and Disease, 2020, 19, 146.	3.0	9
43	Bone-derived mesenchymal stem cells alleviate compression-induced apoptosis of nucleus pulposus cells by N6 methyladenosine of autophagy. Cell Death and Disease, 2020, 11, 103.	6.3	35
44	CircRNA-CIDN mitigated compression loading-induced damage in human nucleus pulposus cells via miR-34a-5p/SIRT1 axis. EBioMedicine, 2020, 53, 102679.	6.1	75
45	The câ€'Jun signaling pathway has a protective effect on nucleus pulposus cells in patients with intervertebral disc degeneration. Experimental and Therapeutic Medicine, 2020, 20, 1-1.	1.8	6
46	Long non-coding RNA HOTAIR modulates intervertebral disc degenerative changes via Wnt/ $\hat{l}^2$ -catenin pathway. Arthritis Research and Therapy, 2019, 21, 201.	3.5	58
47	Targeting the IL- $1\hat{l}^2$ /IL- $1$ Ra pathways for the aggregation of human islet amyloid polypeptide in an ex vivo organ culture system of the intervertebral disc. Experimental and Molecular Medicine, 2019, 51, 1-16.	7.7	26
48	Transpedicular Wedge Resection Osteotomy of the Apical Vertebrae forÂthe Treatment of Severe and Rigid Thoracic Kyphoscoliosis: AÂRetrospective Study of 26 Cases. Spine Deformity, 2019, 7, 338-345.	1.5	8
49	Angiopoietinâ€ike protein 8 expression and association with extracellular matrix metabolism and inflammation during intervertebral disc degeneration. Journal of Cellular and Molecular Medicine, 2019, 23, 5737-5750.	3.6	43
50	Impaired calcium homeostasis via advanced glycation end products promotes apoptosis through endoplasmic reticulum stress in human nucleus pulposus cells and exacerbates intervertebral disc degeneration in rats. FEBS Journal, 2019, 286, 4356-4373.	4.7	28
51	TNF- $\hat{l}\pm$ Regulates ITG $\hat{l}^21$ and SYND4 Expression in Nucleus Pulposus Cells: Activation of FAK/PI3K Signaling. Inflammation, 2019, 42, 1575-1584.	3.8	9
52	Berberine ameliorates oxidative stress-induced apoptosis by modulating ER stress and autophagy in human nucleus pulposus cells. Life Sciences, 2019, 228, 85-97.	4.3	65
53	$\langle i \rangle N \langle  i \rangle$ -Acetylcysteine Attenuates Cisplatin-Induced Acute Kidney Injury by Inhibiting the C5a Receptor. BioMed Research International, 2019, 2019, 1-11.	1.9	29
54	Sapylin (OK-432) alters inflammation and angiogenesis in vivo and vitro. Biomedicine and Pharmacotherapy, 2019, 113, 108706.	5.6	3

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55	Parathyroid autotransplantation at a novel site for better evaluation of the grafted gland function: study protocol for a prospective, randomized controlled trial. Trials, 2019, 20, 96.	1.6	7
56	Restoration of Autophagic Flux Rescues Oxidative Damage and Mitochondrial Dysfunction to Protect against Intervertebral Disc Degeneration. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-27.	4.0	<b>7</b> 5
57	Maternal exposure to ambient fine particulate matter and risk of premature rupture of membranes in Wuhan, Central China: a cohort study. Environmental Health, 2019, 18, 96.	4.0	17
58	SIX1 Activates STAT3 Signaling to Promote the Proliferation of Thyroid Carcinoma via EYA1. Frontiers in Oncology, 2019, 9, 1450.	2.8	29
59	Skin Epidermis and Adnexa Regrowth Induced by Treatment With Artificial Dermal Template After Full-Thickness Skin Wound. International Journal of Lower Extremity Wounds, 2019, 18, 42-55.	1.1	2
60	Fibronectin induced ITGβ1/FAKâ€dependent apoptotic pathways determines the fate of degenerative NP cells. Journal of Orthopaedic Research, 2019, 37, 439-448.	2.3	4
61	Nomogram prediction for the 3-year risk of type 2 diabetes in healthy mainland China residents. EPMA Journal, 2019, 10, 227-237.	6.1	32
62	Sestrin-Mediated Inhibition of Stress-Induced Intervertebral Disc Degradation Through the Enhancement of Autophagy. Cellular Physiology and Biochemistry, 2018, 45, 1940-1954.	1.6	9
63	Dachshund 1 is Differentially Expressed Between Male and Female Breast Cancer: A Matched Case-Control Study of Clinical Characteristics and Prognosis. Clinical Breast Cancer, 2018, 18, e875-e882.	2.4	4
64	Pramlintide regulation of extracellular matrix (ECM) and apoptosis through mitochondrial-dependent pathways in human nucleus pulposus cells. International Journal of Immunopathology and Pharmacology, 2018, 31, 039463201774750.	2.1	13
65	Racial disparities of differentiated thyroid carcinoma: clinical behavior, treatments, and long-term outcomes. World Journal of Surgical Oncology, 2018, 16, 45.	1.9	31
66	One-stage Pelnac Reconstruction in Full-thickness Skin Defects with Bone or Tendon Exposure. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1709.	0.6	29
67	Angiopoietin-2 promotes extracellular matrix degradation in human degenerative nucleus pulposus cells. International Journal of Molecular Medicine, 2018, 41, 3551-3558.	4.0	14
68	Complement C3 Produced by Macrophages Promotes Renal Fibrosis via IL-17A Secretion. Frontiers in Immunology, 2018, 9, 2385.	4.8	67
69	Metabolic Syndrome and Its Components Predict the Risk of Type 2 Diabetes Mellitus in the Mainland Chinese: A 3-Year Cohort Study. International Journal of Endocrinology, 2018, 2018, 1-9.	1.5	7
70	Surgical approach and management outcomes for junction tuberculous spondylitis: a retrospective study of 77 patients. Journal of Orthopaedic Surgery and Research, 2018, 13, 312.	2.3	8
71	Bioinformatic analysis and identification of potential prognostic microRNAs and mRNAs in thyroid cancer. PeerJ, 2018, 6, e4674.	2.0	44
72	Prognostic Genes of Breast Cancer Identified by Gene Co-expression Network Analysis. Frontiers in Oncology, 2018, 8, 374.	2.8	231

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73	Growth arrest-specific gene 6 transfer promotes mesenchymal stem cell survival and cardiac repair under hypoxia and ischemia via enhanced autocrine signaling and paracrine action. Archives of Biochemistry and Biophysics, 2018, 660, 108-120.	3.0	18
74	Incidence and risk factors of neurological complications during posterior vertebral column resection to correct severe post-tubercular kyphosis with late-onset neurological deficits: case series and review of the literature. Journal of Orthopaedic Surgery and Research, 2018, 13, 269.	2.3	9
75	The involvement of regulated in development and DNA damage response 1 (REDD1) in the pathogenesis of intervertebral disc degeneration. Experimental Cell Research, 2018, 372, 188-197.	2.6	7
76	Sirtuin 3-dependent mitochondrial redox homeostasis protects against AGEs-induced intervertebral disc degeneration. Redox Biology, 2018, 19, 339-353.	9.0	122
77	BCL3 regulates RANKL-induced osteoclastogenesis by interacting with TRAF6 in bone marrow-derived macrophages. Bone, 2018, 114, 257-267.	2.9	11
78	Impact of Gender and Age on the Prognosis of Differentiated Thyroid Carcinoma: a Retrospective Analysis Based on SEER. Hormones and Cancer, 2018, 9, 361-370.	4.9	35
79	The role of radioactive iodine therapy in papillary thyroid cancer: an observational study based on SEER. OncoTargets and Therapy, 2018, Volume 11, 3551-3560.	2.0	19
80	Non-HDL-cholesterol to HDL-cholesterol ratio is a better predictor of new-onset non-alcoholic fatty liver disease than non-HDL-cholesterol: a cohort study. Lipids in Health and Disease, 2018, 17, 196.	3.0	26
81	Autophagy attenuates compression-induced apoptosis of human nucleus pulposus cells via MEK/ERK/NRF1/Atg7 signaling pathways during intervertebral disc degeneration. Experimental Cell Research, 2018, 370, 87-97.	2.6	34
82	Icariin Attenuates Interleukin- $1\hat{1}^2$ -Induced Inflammatory Response in Human Nucleus Pulposus Cells. Current Pharmaceutical Design, 2018, 23, 6071-6078.	1.9	37
83	IAPP modulates cellular autophagy, apoptosis, and extracellular matrix metabolism in human intervertebral disc cells. Cell Death Discovery, 2017, 3, 16107.	4.7	36
84	MicroRNA-15b silencing inhibits IL- $1\hat{l}^2$ -induced extracellular matrix degradation by targeting SMAD3 in human nucleus pulposus cells. Biotechnology Letters, 2017, 39, 623-632.	2.2	27
85	Advanced glycation end products regulate anabolic and catabolic activities ⟨i⟩via⟨ i⟩ NLRP3â€inflammasome activation in human nucleus pulposus cells. Journal of Cellular and Molecular Medicine, 2017, 21, 1373-1387.	3.6	98
86	Simvastatin Inhibits IL- $1\hat{l}^2$ -Induced Apoptosis and Extracellular Matrix Degradation by Suppressing the NF-kB and MAPK Pathways in Nucleus Pulposus Cells. Inflammation, 2017, 40, 725-734.	3.8	69
87	The role of angiopoietin-2 in nucleus pulposus cells during human intervertebral disc degeneration. Laboratory Investigation, 2017, 97, 971-982.	3.7	16
88	Down-regulation of islet amyloid polypeptide expression induces death of human annulus fibrosus cells via mitochondrial and death receptor pathways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1479-1491.	3.8	12
89	Dysregulated miR-127-5p contributes to type II collagen degradation by targeting matrix metalloproteinase-13 in human intervertebral disc degeneration. Biochimie, 2017, 139, 74-80.	2.6	30
90	The noncoding RNA linc-ADAMTS5 cooperates with RREB1 to protect from intervertebral disc degeneration through inhibiting ADAMTS5 expression. Clinical Science, 2017, 131, 965-979.	4.3	34

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91	Epigenetic silencing of miRNA-143 regulates apoptosis by targeting BCL2 in human intervertebral disc degeneration. Gene, 2017, 628, 259-266.	2.2	45
92	MicroRNA-132 upregulation promotes matrix degradation in intervertebral disc degeneration. Experimental Cell Research, 2017, 359, 39-49.	2.6	55
93	High Mobility Group Box 1 Mediates Interferon- $\hat{I}^3$ -Induced Phenotypic Modulation of Vascular Smooth Muscle Cells. Journal of Cellular Biochemistry, 2017, 118, 518-529.	2.6	18
94	OK-432 (Sapylin) Reduces Seroma Formation After Axillary Lymphadenectomy in Breast Cancer. Journal of Investigative Surgery, 2017, 30, 1-5.	1.3	14
95	MicroRNA-494 promotes apoptosis and extracellular matrix degradation in degenerative human nucleus pulposus cells. Oncotarget, 2017, 8, 27868-27881.	1.8	36
96	Methylation of microRNA-129-5P modulates nucleus pulposus cell autophagy by targeting Beclin-1 in intervertebral disc degeneration. Oncotarget, 2017, 8, 86264-86276.	1.8	31
97	GSPE Inhibits HMGB1 Release, Attenuating Renal IR-Induced Acute Renal Injury and Chronic Renal Fibrosis. International Journal of Molecular Sciences, 2016, 17, 1647.	4.1	19
98	Inhibition of microRNA-34a prevents IL- $1\hat{l}^2$ -induced extracellular matrix degradation in nucleus pulposus by increasing GDF5 expression. Experimental Biology and Medicine, 2016, 241, 1924-1932.	2.4	32
99	Serum microRNA-17 functions as a prognostic biomarker in osteosarcoma. Oncology Letters, 2016, 12, 4905-4910.	1.8	18
100	The Involvement of Protease Nexin-1 (PN1) in the Pathogenesis of Intervertebral Disc (IVD) Degeneration. Scientific Reports, 2016, 6, 30563.	3.3	25
101	MicroRNA-7 regulates IL- $1\hat{i}^2$ -induced extracellular matrix degeneration by targeting GDF5 in human nucleus pulposus cells. Biomedicine and Pharmacotherapy, 2016, 83, 1414-1421.	5.6	39
102	Pore-forming activity and structural autoinhibition of the gasdermin family. Nature, 2016, 535, 111-116.	27.8	1,812
103	MicroRNA-23a-3p promotes the development of osteoarthritis by directly targeting SMAD3 in chondrocytes. Biochemical and Biophysical Research Communications, 2016, 478, 467-473.	2.1	46
104	Peroxisome proliferator-activated receptor- $\hat{l}^3$ agonist pioglitazone fails to attenuate renal fibrosis caused by unilateral ureteral obstruction in mice. Journal of Huazhong University of Science and Technology [Medical Sciences], 2016, 36, 41-47.	1.0	5
105	Intraoperative Neuromonitoring and Protection of the Superior Laryngeal Nerve with Wu Gaosong's Procedure. VideoEndocrinology, 2016, 3, .	0.1	6
106	Covered versus Uncovered Self-Expandable Metal Stents for Managing Malignant Distal Biliary Obstruction: A Meta-Analysis. PLoS ONE, 2016, 11, e0149066.	2.5	66
107	Systemic immune-inflammation index, thymidine phosphorylase and survival of localized gastric cancer patients after curative resection. Oncotarget, 2016, 7, 44185-44193.	1.8	64
108	Transforming growth factor $\hat{l}^2$ -activated kinase 1 negatively regulates interleukin- $1\hat{l}$ ±-induced stromal-derived factor-1 expression in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2015, 463, 130-136.	2.1	9

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109	Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death. Nature, 2015, 526, 660-665.	27.8	4,072
110	A new modified Tsuge suture for flexor tendon repairs: the biomechanical analysis and clinical application. Journal of Orthopaedic Surgery and Research, 2014, 9, 136.	2.3	9
111	Lateral Antebrachial Cutaneous Nerve as In Situ Nerve Graft in Lower Brachial Plexus Injury. Indian Journal of Surgery, 0, , 1.	0.3	1