

# Kang Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,722  
citations

279798

23  
h-index

345221

36  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band-gap engineering of BiOCl with oxygen vacancies for efficient photooxidation properties under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2193-2199.	10.3	232
2	Cell-Type Transcriptome Atlas of Human Aortic Valves Reveal Cell Heterogeneity and Endothelial to Mesenchymal Transition Involved in Calcific Aortic Valve Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2910-2921.	2.4	93
3	Demethylzylasteral targets lactate by inhibiting histone lactylation to suppress the tumorigenicity of liver cancer stem cells. <i>Pharmacological Research</i> , 2022, 181, 106270.	7.1	82
4	Safflower yellow alleviates osteoarthritis and prevents inflammation by inhibiting PGE2 release and regulating NF- $\kappa$ B/SIRT1/AMPK signaling pathways. <i>Phytomedicine</i> , 2020, 78, 153305.	5.3	71
5	DNA Nanostructure as an Efficient Drug Delivery Platform for Immunotherapy. <i>Frontiers in Pharmacology</i> , 2019, 10, 1585.	3.5	54
6	Development of a macrophages-related 4-gene signature and nomogram for the overall survival prediction of hepatocellular carcinoma based on WGCNA and LASSO algorithm. <i>International Immunopharmacology</i> , 2021, 90, 107238.	3.8	51
7	Effects of Bakuchiol on chondrocyte proliferation via the PI3K-Akt and ERK1/2 pathways mediated by the estrogen receptor for promotion of the regeneration of knee articular cartilage defects. <i>Cell Proliferation</i> , 2019, 52, e12666.	5.3	48
8	Ursolic acid protects chondrocytes, exhibits anti-inflammatory properties via regulation of the NF- $\kappa$ B/NLRP3 inflammasome pathway and ameliorates osteoarthritis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110568.	5.6	48
9	Platelet-rich plasma activates tendon-derived stem cells to promote regeneration of Achilles tendon rupture in rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1173-1184.	2.7	42
10	Contribution of Vascular Cells to Neointimal Formation. <i>PLoS ONE</i> , 2017, 12, e0168914.	2.5	38
11	Psoralen Protects Chondrocytes, Exhibits Anti-Inflammatory Effects on Synoviocytes, and Attenuates Monosodium Iodoacetate-Induced Osteoarthritis. <i>International Journal of Biological Sciences</i> , 2019, 15, 229-238.	6.4	38
12	Curcumin inhibits calcification of human aortic valve interstitial cells by interfering NF- $\kappa$ B, AKT, and ERK pathways. <i>Phytotherapy Research</i> , 2020, 34, 2074-2081.	5.8	38
13	Anthraquinone Emodin Inhibits Tumor Necrosis Factor Alpha-Induced Calcification of Human Aortic Valve Interstitial Cells via the NF- $\kappa$ B Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 1328.	3.5	37
14	ZnCl <sub>2</sub> -Catalyzed [3 + 2] Cycloaddition of Benzimidates and 2-H-Azirines for the Synthesis of Imidazoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 14791-14796.	3.2	36
15	Caffeic Acid Phenethyl Ester Ameliorates Calcification by Inhibiting Activation of the AKT/NF- $\kappa$ B/NLRP3 Inflammasome Pathway in Human Aortic Valve Interstitial Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 826.	3.5	35
16	Atractylodes oil alleviates diarrhea-predominant irritable bowel syndrome by regulating intestinal inflammation and intestinal barrier via SCF/c-kit and MLCK/MLC2 pathways. <i>Journal of Ethnopharmacology</i> , 2021, 272, 113925.	4.1	33
17	Study of Bone Marrow Mesenchymal and Tendon-Derived Stem Cells Transplantation on the Regenerating Effect of Achilles Tendon Ruptures in Rats. <i>Stem Cells International</i> , 2015, 2015, 1-11.	2.5	30
18	Nobiletin exhibits potent inhibition on tumor necrosis factor alpha-induced calcification of human aortic valve interstitial cells via targeting ABCG2 and AKR1B1. <i>Phytotherapy Research</i> , 2019, 33, 1717-1725.	5.8	30

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19	Effects of Atractylodes Oil on Inflammatory Response and Serum Metabolites in Adjuvant Arthritis Rats. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110130.	5.6	30
20	Atractylodin Attenuates Dextran Sulfate Sodium-Induced Colitis by Alleviating Gut Microbiota Dysbiosis and Inhibiting Inflammatory Response Through the MAPK Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 665376.	3.5	29
21	Atractylenolide-1 targets SPHK1 and B4GALT2 to regulate intestinal metabolism and flora composition to improve inflammation in mice with colitis. <i>Phytomedicine</i> , 2022, 98, 153945.	5.3	28
22	Tuning the performance of nitrogen reduction reaction by balancing the reactivity of N <sub>2</sub> and the desorption of NH <sub>3</sub> . <i>Nano Research</i> , 2021, 14, 4093-4099.	10.4	27
23	Perivascular-Derived Stem Cells with Neural Crest Characteristics Are Involved in Tendon Repair. <i>Stem Cells and Development</i> , 2015, 24, 857-868.	2.1	26
24	Smart hydrogels with high tunability of stiffness as a biomimetic cell carrier. <i>Cell Biology International</i> , 2019, 43, 84-97.	3.0	26
25	Psoralen activates cartilaginous cellular functions of rat chondrocytes <i>in vitro</i> . <i>Pharmaceutical Biology</i> , 2015, 53, 1010-1015.	2.9	25
26	Cepharanthine inhibits hepatocellular carcinoma cell growth and proliferation by regulating amino acid metabolism and suppresses tumorigenesis <i>in vivo</i> . <i>International Journal of Biological Sciences</i> , 2021, 17, 4340-4352.	6.4	25
27	The natural compound andrographolide inhibits human aortic valve interstitial cell calcification via the NF- $\kappa$ B/Akt/ERK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 125, 109985.	5.6	24
28	Comparison of Rapidly Proliferating, Multipotent Aortic Valve-Derived Stromal Cells and Valve Interstitial Cells in the Human Aortic Valve. <i>Stem Cells International</i> , 2019, 2019, 1-10.	2.5	21
29	<i>Coptis chinensis</i> and dried ginger herb combination inhibits gastric tumor growth by interfering with glucose metabolism via LDHA and SLC2A1. <i>Journal of Ethnopharmacology</i> , 2022, 284, 114771.	4.1	21
30	Emodin as a selective proliferative inhibitor of vascular smooth muscle cells versus endothelial cells suppress arterial intima formation. <i>Life Sciences</i> , 2018, 207, 9-14.	4.3	20
31	<i>Atractylodes lancea</i> Rhizoma Attenuates DSS-Induced Colitis by Regulating Intestinal Flora and Metabolites. <i>The American Journal of Chinese Medicine</i> , 2022, 50, 525-552.	3.8	20
32	Hypervalent iodane mediated reactions of <i>N</i> -acetyl enamines for the synthesis of oxazoles and imidazoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8977-8981.	2.8	19
33	Aggravation of Record-Breaking Drought over the Mid-Lower Reaches of the Yangtze River in the Post-monsoon Season of 2019 by Anomalous Indo-Pacific Oceanic Conditions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090847.	4.0	19
34	Synergistic promoting effects of bone morphogenetic protein 12/connective tissue growth factor on functional differentiation of tendon derived stem cells and patellar tendon window defect regeneration. <i>Journal of Biomechanics</i> , 2018, 66, 95-102.	2.1	18
35	Magnolol exhibits anti-inflammatory effects on chondrocytes via the NF- $\kappa$ B pathway for attenuating anterior cruciate ligament transection-induced osteoarthritis. <i>Connective Tissue Research</i> , 2021, 62, 475-484.	2.3	18
36	Cardamonin inhibits osteogenic differentiation of human valve interstitial cells and ameliorates aortic valve calcification <i>in vivo</i> interfering in the NF- $\kappa$ B/NLRP3 inflammasome pathway. <i>Food and Function</i> , 2021, 12, 11808-11818.	4.6	18

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37	Andrographolide ameliorates aortic valve calcification by regulation of lipid biosynthesis and glycerolipid metabolism targeting MGLL expression in vitro and in vivo. <i>Cell Calcium</i> , 2021, 100, 102495.	2.4	18
38	Treatment of Spleen-Deficiency Syndrome With Atractyloside A From Bran-Processed <i>Atractylodes lancea</i> by Protection of the Intestinal Mucosal Barrier. <i>Frontiers in Pharmacology</i> , 2020, 11, 583160.	3.5	16
39	Cellular remodeling of fibrotic conduit as vascular graft. <i>Biomaterials</i> , 2021, 268, 120565.	11.4	16
40	Sox10+ adult stem cells contribute to biomaterial encapsulation and microvascularization. <i>Scientific Reports</i> , 2017, 7, 40295.	3.3	15
41	PhI(OAc) <sub>2</sub> -mediated oxidative rearrangement of allylic amides: efficient synthesis of oxazoles and $\beta$ -keto amides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 69-72.	4.5	15
42	Diosmetin inhibits cell growth and proliferation by regulating the cell cycle and lipid metabolism pathway in hepatocellular carcinoma. <i>Food and Function</i> , 2021, 12, 12036-12046.	4.6	15
43	Plant-Derived Products for Treatment of Vascular Intima Hyperplasia Selectively Inhibit Vascular Smooth Muscle Cell Functions. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-17.	1.2	14
44	Daidzin inhibits hepatocellular carcinoma survival by interfering with the glycolytic/gluconeogenic pathway through downregulation of <i>TPI1</i> . <i>BioFactors</i> , 2022, 48, 883-896.	5.4	14
45	Atractyloside-A ameliorates spleen deficiency diarrhea by interfering with TLR4/MyD88/NF- $\kappa$ B signaling activation and regulating intestinal flora homeostasis. <i>International Immunopharmacology</i> , 2022, 107, 108679.	3.8	14
46	Comparison of plasma and chemical modifications of poly-L-lactide-co-caprolactone scaffolds for heparin conjugation. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 065004.	3.3	11
47	Grass carp ( <i>Ctenopharyngodon idellus</i> ) TRAF6 up-regulates IFN1 expression by activating IRF5. <i>Developmental and Comparative Immunology</i> , 2020, 102, 103475.	2.3	11
48	Neural crest-derived cells migrate from nerve to participate in Achilles tendon remodeling. <i>Wound Repair and Regeneration</i> , 2018, 26, 54-63.	3.0	10
49	The use of mechano growth factor to prevent cartilage degeneration in knee osteoarthritis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 738-749.	2.7	10
50	Identification of different bran-fried <i>Atractylodes Rhizoma</i> and prediction of atractylodin content based on multivariate data mining combined with intelligent color recognition and near-infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120119.	3.9	9
51	Lysyl oxidase suppresses the inflammatory response in anterior cruciate ligament fibroblasts and promotes tissue regeneration by targeting myotrophin via the nuclear factor- $\kappa$ B pathway. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1063-1076.	2.7	8
52	<i>Tenascin-C</i> regulates migration of <i>SOX10</i> tendon stem cells via integrin $\alpha$ 9 for promoting patellar tendon remodeling. <i>BioFactors</i> , 2021, 47, 768-777.	5.4	8
53	Potential targets and molecular mechanism of miR-331-3p in hepatocellular carcinoma identified by weighted gene coexpression network analysis. <i>Bioscience Reports</i> , 2020, 40, .	2.4	8
54	Grass carp ( <i>Ctenopharyngodon idella</i> ) RSK2 protects cells anti-apoptosis by up-regulating BCL-2. <i>Developmental and Comparative Immunology</i> , 2019, 97, 45-56.	2.3	7

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55	Regeneration of a neoartery through a completely autologous acellular conduit in a minipig model: a pilot study. <i>Journal of Translational Medicine</i> , 2019, 17, 24.	4.4	7
56	Expression of LOXs and MMP-1, 2, 3 by ACL Fibroblasts and Synoviocytes Impact of Coculture and TNF- $\alpha$ . <i>Journal of Knee Surgery</i> , 2019, 32, 352-360.	1.6	7
57	RNA-sequencing of human aortic valves identifies that miR-629-3p and TAGLN miRNA-mRNA pair involving in calcified aortic valve disease. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 819-831.	3.0	7
58	Pharmacodynamics of water extracts from <i>Atractylodes lancea</i> before and after processing. <i>Zhongguo Zhongyao Zazhi</i> , 2012, , .	0.1	6
59	Mechano growth factor-C24E, a potential promoting biochemical factor for ligament tissue engineering. <i>Biochemical Engineering Journal</i> , 2016, 105, 249-263.	3.6	5
60	Therapeutic Effect of Ershen Pill (ä°CEç¥žä„) Extract on Pi (Spleen)-Shen (Kidney) Yang Deficiency-Induced Diarrhea in Rat Model. <i>Chinese Journal of Integrative Medicine</i> , 2019, 25, 536-542.	1.6	5
61	Mechanical injury and IL-1 $\beta$ regulated LOXs and MMP-1, 2, 3 expression in ACL fibroblasts co-cultured with synoviocytes. <i>Biotechnology Letters</i> , 2020, 42, 1567-1579.	2.2	5
62	The Extract of <i>Fructus Psoraleae</i> Promotes Viability and Cartilaginous Formation of Rat Chondrocytes <i>In Vitro</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-8.	1.2	3
63	Scaffold Stiffness at Microscale Directs Stem Cell Lineage Specification. <i>Biophysical Journal</i> , 2018, 114, 364a-365a.	0.5	2
64	Mechano growth factor E peptide inhibits invasion of melanoma cells and up-regulates CHOP expression via endoplasmic reticulum stress. <i>Biotechnology Letters</i> , 2018, 40, 205-213.	2.2	2
65	RNA-Sequencing Uncovers miRNA-mRNA Interactions of Human Calcified Aortic Valve Disease Pathophysiology. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0