

# Li Xiao

## List of Publications by Year in descending order

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26  
papers

612  
citations

471061

17  
h-index

610482

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27  
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27  
docs citations

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times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous macrophages contribute to the pathology of disc herniation induced radiculopathy. <i>Spine Journal</i> , 2022, 22, 677-689.	0.6	11
2	Single-cell assessment of the modulation of macrophage activation by ex vivo intervertebral discs using impedance cytometry. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114346.	5.3	5
3	Amine Functionalized Trimetallic Nitride Endohedral Fullerenes: A Class of Nanoparticle to Tackle Low Back/Leg Pain. <i>ACS Applied Bio Materials</i> , 2022, 5, 2943-2955.	2.3	5
4	A multi-throughput mechanical loading system for mouse intervertebral disc. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 105, 103636.	1.5	8
5	3D Printed Microheater Sensor-Integrated, Drug-Encapsulated Microneedle Patch System for Pain Management. <i>Advanced Healthcare Materials</i> , 2019, 8, e1901170.	3.9	40
6	A New Formyl Peptide Receptor-1 Antagonist Conjugated Fullerene Nanoparticle for Targeted Treatment of Degenerative Disc Diseases. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38405-38416.	4.0	31
7	Microfluidic Disc-on-a-Chip Device for Mouse Intervertebral Disc "Pitching a Next-Generation Research Platform To Study Disc Degeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2041-2051.	2.6	22
8	Molecular Detection and Assessment of Intervertebral Disc Degeneration via a Collagen Hybridizing Peptide. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1661-1667.	2.6	20
9	Microneedle Patches: 3D Printed Microheater Sensor-Integrated, Drug-Encapsulated Microneedle Patch System for Pain Management ( <i>Adv. Healthcare Mater.</i> 23/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970093.	3.9	1
10	Link protein N-terminal peptide and fullerol promote matrix production and decrease degradation enzymes in rabbit annulus cells. <i>Connective Tissue Research</i> , 2018, 59, 191-200.	1.1	6
11	Hydroxylated Fullerene: A Stellar Nanomedicine to Treat Lumbar Radiculopathy via Antagonizing TNF- $\alpha$ -Induced Ion Channel Activation, Calcium Signaling, and Neuropeptide Production. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 266-277.	2.6	17
12	Improving Therapeutic Potential of Farnesylthiosalicylic Acid: Tumor Specific Delivery via Conjugation with Heptamethine Cyanine Dye. <i>Molecular Pharmaceutics</i> , 2017, 14, 1-13.	2.3	27
13	Detecting Chronic Post-Traumatic Osteomyelitis of Mouse Tibia via an IL-13R $\beta$ 2 Targeted Metallofullerene Magnetic Resonance Imaging Probe. <i>Bioconjugate Chemistry</i> , 2017, 28, 649-658.	1.8	20
14	Trimetallic Nitride Endohedral Fullerenes Carboxyl-Gd <sub>3</sub> N@C <sub>80</sub> : A New Theranostic Agent for Combating Oxidative Stress and Resolving Inflammation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17681-17687.	4.0	30
15	Nanoparticle fullerol alleviates radiculopathy via NLRP3 inflammasome and neuropeptides. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2049-2059.	1.7	27
16	A Novel Modality for Functional Imaging in Acute Intervertebral Disk Herniation via Tracking Leukocyte Infiltration. <i>Molecular Imaging and Biology</i> , 2017, 19, 703-713.	1.3	28
17	A novel culture platform for fast proliferation of human annulus fibrosus cells. <i>Cell and Tissue Research</i> , 2017, 367, 339-350.	1.5	21
18	Novel cancer-targeting SPECT/NIRF dual-modality imaging probe <sup>99m</sup> Tc-PC-1007: Synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6350-6354.	1.0	20

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19	Heptamethine cyanine based <sup>64</sup> Cu-PET probe PC-1001 for cancer imaging: Synthesis and in vivo evaluation. <i>Nuclear Medicine and Biology</i> , 2013, 40, 351-360.	0.3	34
20	Label-Free Method for Cell Counting in Crude Biological Samples via Paramagnetic Bead Aggregation. <i>Analytical Chemistry</i> , 2013, 85, 11233-11239.	3.2	9
21	A Novel Near-Infrared Fluorescence Imaging Probe for in Vivo Neutrophil Tracking. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00054.	0.7	32
22	Synthesis of PECAM-1-specific <sup>64</sup> Cu PET imaging agent: Evaluation of myocardial infarction caused by ischemia-reperfusion injury in mouse. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4144-4147.	1.0	4
23	A novel near-infrared fluorescence imaging probe for in vivo neutrophil tracking. <i>Molecular Imaging</i> , 2012, 11, 372-82.	0.7	18
24	Synthesis of the Cyanine 7 labeled neutrophil-specific agents for noninvasive near infrared fluorescence imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3515-3517.	1.0	37
25	Neutrophil Targeting Heterobivalent SPECT Imaging Probe: cFLFLF-PEG-TKPPR- <sup>99m</sup> Tc. <i>Bioconjugate Chemistry</i> , 2010, 21, 1788-1793.	1.8	37
26	A Novel Neutrophil-Specific PET Imaging Agent: cFLFLFK-PEG- <sup>64</sup> Cu. <i>Journal of Nuclear Medicine</i> , 2009, 50, 790-797.	2.8	102