

# Yuan Xue

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,044  
citations

516710

16  
h-index

477307

29  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Incidence of Surgical Site Infection After Spine Surgery. <i>Spine</i> , 2020, 45, 208-216.	2.0	143
2	The mitochondria-targeted anti-oxidant MitoQ protects against intervertebral disc degeneration by ameliorating mitochondrial dysfunction and redox imbalance. <i>Cell Proliferation</i> , 2020, 53, e12779.	5.3	94
3	Long non-coding RNA small nucleolar RNA host gene 12 (SNHG12) promotes cell proliferation and migration by upregulating angiomin gene expression in human osteosarcoma cells. <i>Tumor Biology</i> , 2016, 37, 4065-4073.	1.8	85
4	Parkin and Nrf2 prevent oxidative stress-induced apoptosis in intervertebral endplate chondrocytes via inducing mitophagy and anti-oxidant defenses. <i>Life Sciences</i> , 2020, 243, 117244.	4.3	68
5	Milling State Identification Based on Vibration Sense of a Robotic Surgical System. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 6184-6193.	7.9	42
6	MicroRNA-497 inhibits cell proliferation, migration, and invasion by targeting AMOT in human osteosarcoma cells. <i>OncoTargets and Therapy</i> , 2016, 9, 303.	2.0	39
7	Vibration-Based Milling Condition Monitoring in Robot-Assisted Spine Surgery. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 3028-3039.	5.8	36
8	MicroRNA-375 as a potential serum biomarker for the diagnosis, prognosis, and chemosensitivity prediction of osteosarcoma. <i>Journal of International Medical Research</i> , 2018, 46, 975-983.	1.0	36
9	Visual cortex neural activity alteration in cervical spondylotic myelopathy patients: a resting-state fMRI study. <i>Neuroradiology</i> , 2018, 60, 921-932.	2.2	36
10	miR-342-3p promotes osteogenic differentiation via targeting ATF3. <i>FEBS Letters</i> , 2018, 592, 4051-4065.	2.8	33
11	Bioinspired Integration of Auditory and Haptic Perception in Bone Milling Surgery. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 614-623.	5.8	29
12	Depression is associated with increased incidence of osteoporotic thoracolumbar fracture in postmenopausal women: a prospective study. <i>European Spine Journal</i> , 2016, 25, 3418-3423.	2.2	23
13	Functional Connectivity Changes of the Visual Cortex in the Cervical Spondylotic Myelopathy Patients. <i>Spine</i> , 2020, 45, E272-E279.	2.0	23
14	Noncontact Vibration Measurement Based Thoracic Spine Condition Monitoring During Pedicle Drilling. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014, 19, 1532-1540.	5.8	22
15	A Transcriptome-Level Study Identifies Changing Expression Profiles for Ossification of the Ligamentum Flavum of the Spine. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 872-883.	5.1	22
16	0.5- to 1-Fold Intervertebral Distraction Is a Protective Factor for Adjacent Segment Degeneration in Single-level Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2020, 45, 96-102.	2.0	21
17	Neural Correlates of Cognitive Dysfunctions in Cervical Spondylotic Myelopathy Patients: A Resting-State fMRI Study. <i>Frontiers in Neurology</i> , 2020, 11, 596795.	2.4	18
18	Long Noncoding RNA ANPODRT Overexpression Protects Nucleus Pulposus Cells from Oxidative Stress and Apoptosis by Activating Keap1-Nrf2 Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	4.0	16

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19	Functional MRI evidence for primary motor cortex plasticity contributes to the disease's severity and prognosis of cervical spondylotic myelopathy patients. <i>European Radiology</i> , 2022, 32, 3693-3704.	4.5	16
20	HOTAIRM1 promotes osteogenic differentiation and alleviates osteoclast differentiation by inactivating the NF- $\kappa$ B pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 201-211.	2.0	15
21	The CT and intraoperative observation of pedicle-ossification tunnel in 151 cases of thoracic spinal stenosis from ossification of ligamentum flavum. <i>European Spine Journal</i> , 2014, 23, 1325-1331.	2.2	14
22	Preoperative Modic changes are related to axial symptoms after anterior cervical discectomy and fusion. <i>Journal of Pain Research</i> , 2018, Volume 11, 2617-2623.	2.0	13
23	Total Hip Arthroplasty with Robotic Arm Assistance for Precise Cup Positioning: A Case-Control Study. <i>Orthopaedic Surgery</i> , 2022, 14, 1498-1505.	1.8	13
24	Regulation of the levels of Smad1 and Smad5 in MC3T3-E1 cells by Icarine in vitro. <i>Molecular Medicine Reports</i> , 2014, 9, 590-594.	2.4	11
25	Stratification of venous thromboembolism risk in burn patients by Caprini score. <i>Burns</i> , 2019, 45, 140-145.	1.9	10
26	Effects of Intermittent Parathyroid Hormone $1\alpha^{34}$ Administration on Circulating Mesenchymal Stem Cells in Postmenopausal Osteoporotic Women. <i>Medical Science Monitor</i> , 2019, 25, 259-268.	1.1	10
27	Biomechanical Effect of Different Graft Heights on Adjacent Segment and Graft Segment Following C4/C5 Anterior Cervical Discectomy and Fusion: A Finite Element Analysis. <i>Medical Science Monitor</i> , 2019, 25, 4169-4175.	1.1	10
28	Condition monitoring based on sound feature extraction during bone drilling process. , 2014, , .		9
29	Biomechanical effect of different plate-to-disc distance on surgical and adjacent segment in anterior cervical discectomy and fusion - a finite element analysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 340.	1.9	9
30	Enhanced Information Flow From Cerebellum to Secondary Visual Cortices Leads to Better Surgery Outcome in Degenerative Cervical Myelopathy Patients: A Stochastic Dynamic Causal Modeling Study With Functional Magnetic Resonance Imaging. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 632829.	2.0	9
31	Laminoplasty and Laminectomy Hybrid Decompression for the Treatment of Cervical Spondylotic Myelopathy with Hypertrophic Ligamentum Flavum: A Retrospective Study. <i>PLoS ONE</i> , 2014, 9, e95482.	2.5	8
32	Biologically-inspired auditory perception during robotic bone milling. , 2017, , .		8
33	Vertebral Collapse Prevented Following Teriparatide Treatment in Postmenopausal $\frac{1}{4}$ mmell's Disease Patients with Severe Osteoporosis. <i>Orthopaedic Surgery</i> , 2021, 13, 506-516.	1.8	8
34	Silence of TANK-binding kinase 1 (TBK1) regulates extracellular matrix degradation of chondrocyte in osteoarthritis by janus kinase (JAK)-signal transducer of activators of transcription (STAT) signaling. <i>Bioengineered</i> , 2022, 13, 1872-1879.	3.2	8
35	Disc associating axial pain were indicated by PLL resection in ACDF surgery. <i>European Spine Journal</i> , 2017, 26, 1211-1216.	2.2	7
36	Clinical efficacy of calcitonin compared to diclofenac sodium in chronic nonspecific low back pain with type I Modic changes: a retrospective study. <i>Journal of Pain Research</i> , 2018, Volume 11, 1335-1342.	2.0	7

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37	Circumferential Decompression <i>via</i> a Modified Costotransversectomy Approach for the Treatment of Single Level Hard Herniated Disc between T <sub>10</sub> –L <sub>1</sub> . Orthopaedic Surgery, 2016, 8, 34-43.	1.8	6
38	Tissue discrimination by bioelectrical impedance during PLL resection in anterior decompression surgery for treatment of cervical spondylotic myelopathy. Journal of Orthopaedic Surgery and Research, 2019, 14, 341.	2.3	6
39	Biomechanical Effect of C <sub>5</sub> /C <sub>6</sub> Intervertebral Reconstructive Height on Adjacent Segments in Anterior Cervical Discectomy and Fusion – A Finite Element Analysis. Orthopaedic Surgery, 2021, 13, 1408-1416.	1.8	6
40	Motor Bur Milling State Identification via Fast Fourier Transform Analyzing Sound Signal in Cervical Spine Posterior Decompression Surgery. Orthopaedic Surgery, 2021, 13, 2382-2395.	1.8	6
41	Drilling Condition Identification Based on Sound Pressure Signal in Anterior Cervical Discectomy Surgery. Medical Science Monitor, 2019, 25, 6574-6580.	1.1	5
42	Vertebral Lamina State Estimation in Robotic Bone Milling Process via Vibration Signals Fusion. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	5
43	Low Back Pain Induced by Posterior Longitudinal Ligament Incision in Percutaneous Transforaminal Endoscopic Lumbar Discectomy. Orthopaedic Surgery, 2020, 12, 1230-1237.	1.8	4
44	Clinical effect of intramuscular calcitonin compared with oral celecoxib in the treatment of knee bone marrow lesions: a retrospective study. Journal of Orthopaedic Surgery and Research, 2020, 15, 230.	2.3	4
45	Tissue discrimination based on vibratory sense in robot-assisted spine surgery. , 2015, , .		3
46	The analgesic effect of intravenous methylprednisolone on acute neuropathic pain with allodynia due to central cord syndrome: a retrospective study. Journal of Pain Research, 2018, Volume 11, 1231-1238.	2.0	3
47	Clinical efficacy of single intraoperative 500 mg methylprednisolone management therapy for thoracic myelopathy caused by ossification of the ligamentum flavum. BMC Musculoskeletal Disorders, 2020, 21, 177.	1.9	3
48	Per Pedicle Ligament Flavum Tunnel Outside-In Foraminoplasty for T <sub>10</sub> –T <sub>12</sub> Discectomy under a Percutaneous Endoscope. Orthopaedic Surgery, 2021, 13, 253-259.	1.8	3
49	Burr wear detection based on vibration sense during surgical milling. , 2016, , .		2
50	Bilaterally Threaded, Minimal Invasive, Elastic Locking Intramedullary Nailing (ELIN) for the Treatment of Clavicle Fractures. Orthopaedic Surgery, 2020, 12, 321-332.	1.8	2
51	Evaluating Osteogenic Differentiation of Osteoblastic Precursors Upon Intermittent Administration of PTH/IGFBP7. Frontiers in Pharmacology, 2022, 13, 839035.	3.5	2
52	Estimation of tool position based on vibration sense during robotic bone milling. , 2016, , .		1
53	<i>Could Teriparatide Replace Percutaneous Vertebral Augmentation for Patients with Osteoporotic Vertebral Compression Fracture to Some Extent?</i> [Letter]. Clinical Interventions in Aging, 2019, Volume 14, 2095-2096.	2.9	1
54	Depression and Bone Mineral Density. Journal of Bone and Mineral Research, 2020, 35, 821-821.	2.8	1

#	ARTICLE	IF	CITATIONS
55	Nomogram predicting leukopenia in osteosarcoma after high-dose methotrexate chemotherapy. Aging, 0, , .	3.1	1
56	<p>&lt;p&gt;Comparing the Efficacy of Local Triamcinolone Injection in Carpal Tunnel Syndrome Using Three Different Approaches with or without Ultrasound Guidance [Letter]&lt;/p&gt;&lt;/p&gt;. Journal of Pain Research, 2019, Volume 12, 3467-3468.</p>	2.0	0