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## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

3,428  
citations

159585

30  
h-index

189892

50  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4022  
citing authors

#	ARTICLE	IF	CITATIONS
1	AOSpine Thoracolumbar Spine Injury Classification System. <i>Spine</i> , 2013, 38, 2028-2037.	2.0	630
2	Bone Tissue-Engineered Implants Using Human Bone Marrow Stromal Cells: Effect of Culture Conditions and Donor Age. <i>Tissue Engineering</i> , 2002, 8, 911-920.	4.6	194
3	Viable Osteogenic Cells Are Obligatory for Tissue-Engineered Ectopic Bone Formation in Goats. <i>Tissue Engineering</i> , 2003, 9, 327-336.	4.6	193
4	Thoracolumbar injury classification and severity score: a new paradigm for the treatment of thoracolumbar spine trauma. <i>Journal of Orthopaedic Science</i> , 2005, 10, 671-675.	1.1	189
5	Sustained Release of BMP-2 in Bioprinted Alginate for Osteogenicity in Mice and Rats. <i>PLoS ONE</i> , 2013, 8, e72610.	2.5	169
6	Surgical Decision Making for Unstable Thoracolumbar Spine Injuries. <i>Journal of Spinal Disorders and Techniques</i> , 2006, 19, 1-10.	1.9	146
7	Diffuse idiopathic skeletal hyperostosis of the cervical spine: an underestimated cause of dysphagia and airway obstruction. <i>Spine Journal</i> , 2011, 11, 1058-1067.	1.3	121
8	Assessment of injury to the thoracolumbar posterior ligamentous complex in the setting of normal-appearing plain radiography. <i>Spine Journal</i> , 2007, 7, 422-427.	1.3	96
9	Assessment of injury to the posterior ligamentous complex in thoracolumbar spine trauma. <i>Spine Journal</i> , 2006, 6, 524-528.	1.3	94
10	A Differential Effect of Bone Morphogenetic Protein-2 and Vascular Endothelial Growth Factor Release Timing on Osteogenesis at Ectopic and Orthotopic Sites in a Large-Animal Model. <i>Tissue Engineering - Part A</i> , 2012, 18, 2052-2062.	3.1	92
11	Porous bioprinted constructs in BMP-2 non-viral gene therapy for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6619.	5.8	90
12	Osteogenic differentiation as a result of BMP-2 plasmid DNA based gene therapy in vitro and in vivo. , 2011, 21, 230-242.		87
13	Hypertrophic differentiation and calcification during intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 1487-1495.	1.3	81
14	A validated new histological classification for intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 2039-2047.	1.3	81
15	Agreement Between Orthopedic Surgeons and Neurosurgeons Regarding a New Algorithm for the Treatment of Thoracolumbar Injuries. <i>Journal of Spinal Disorders and Techniques</i> , 2006, 19, 477-482.	1.9	79
16	Increased MMP-2 activity during intervertebral disc degeneration is correlated to MMP-14 levels. <i>Journal of Pathology</i> , 2008, 214, 523-530.	4.5	70
17	Spinal reconstruction and bone morphogenetic proteins: Open questions. <i>Injury</i> , 2009, 40, S32-S38.	1.7	67
18	Bone tissue engineering and spinal fusion: the potential of hybrid constructs by combining osteoprogenitor cells and scaffolds. <i>Biomaterials</i> , 2004, 25, 1463-1473.	11.4	59

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19	Intrarater and interrater reliability and validity in the assessment of the mechanism of injury and integrity of the posterior ligamentous complex: a novel injury severity scoring system for thoracolumbar injuries. <i>Journal of Neurosurgery: Spine</i> , 2006, 4, 118-122.	1.7	59
20	Application and Limitations of Chloromethyl-benzamidodialkylcarbocyanine for Tracing Cells Used in Bone Tissue Engineering. <i>Tissue Engineering</i> , 2003, 9, 105-115.	4.6	50
21	The influence of diffuse idiopathic skeletal hyperostosis on bone mineral density measurements of the spine. <i>Rheumatology</i> , 2009, 48, 1133-1136.	1.9	47
22	Posttraumatic Kyphosis: Current State of Diagnosis and Treatment: Results of a Multinational Survey of Spine Trauma Surgeons. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, e1-e8.	1.9	46
23	Micro-CT quantification of subchondral endplate changes in intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2011, 19, 89-95.	1.3	46
24	Bone Tissue Engineering for Spine Fusion: An Experimental Study on Ectopic and Orthotopic Implants in Rats. <i>Tissue Engineering</i> , 2004, 10, 231-239.	4.6	45
25	Analysis of the Dynamics of Bone Formation, Effect of Cell Seeding Density, and Potential of Allogeneic Cells in Cell-Based Bone Tissue Engineering in Goats. <i>Tissue Engineering - Part A</i> , 2008, 14, 1081-1088.	3.1	45
26	Luciferase Labeling for Multipotent Stromal Cell Tracking in Spinal Fusion Versus Ectopic Bone Tissue Engineering in Mice and Rats. <i>Tissue Engineering - Part A</i> , 2010, 16, 3343-3351.	3.1	44
27	Intervertebral disc viability after burst fractures of the thoracic and lumbar spine treated with pedicle screw fixation and direct end-plate restoration. <i>Spine Journal</i> , 2013, 13, 217-221.	1.3	43
28	Total disc replacement for chronic back pain in the presence of disc degeneration. <i>The Cochrane Library</i> , 2012, , CD008326.	2.8	42
29	A biologic without guidelines: the YODA project and the future of bone morphogenetic protein-2 research. <i>Spine Journal</i> , 2012, 12, 877-880.	1.3	40
30	Description and Reliability of the AOSpine Sacral Classification System. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1454-1463.	3.0	36
31	Influence of Endothelial Progenitor Cells and Platelet Gel on Tissue-Engineered Bone Ectopically in Goats. <i>Tissue Engineering - Part A</i> , 2009, 15, 3669-3677.	3.1	35
32	Assessment of Quality of Life After Surgery for Spinal Metastases: Position Statement of the Global Spine Tumour Study Group. <i>World Neurosurgery</i> , 2013, 80, e175-e179.	1.3	31
33	Severe Erosion of Lumbar Vertebral Body Because of Abdominal Aortic False Aneurysm. <i>Spine</i> , 2002, 27, E382-E384.	2.0	28
34	Are existing outcome instruments suitable for assessment of spinal trauma patients?. <i>Journal of Neurosurgery: Spine</i> , 2010, 13, 638-647.	1.7	26
35	Clinical decision making in spinal fusion for chronic low back pain. Results of a nationwide survey among spine surgeons. <i>BMJ Open</i> , 2011, 1, e000391-e000391.	1.9	26
36	No correlation between slip reduction in low-grade spondylolisthesis or change in neuroforaminal morphology and clinical outcome. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 245.	1.9	22

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37	Percutaneous vertebroplasty for treatment of thoracolumbar spine bursting fracture. <i>World Neurosurgery</i> , 2005, 64, 96-97.	1.3	18
38	N(6)-methyladenosine RNA methyltransferase like 3 inhibits extracellular matrix synthesis of endplate chondrocytes by downregulating sex-determining region Y-Box transcription factor 9 expression under tension. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 613-625.	1.3	17
39	Surgeon equipoise as an inclusion criterion for the evaluation of nonoperative versus operative treatment of thoracolumbar spinal injuries. <i>Spine Journal</i> , 2008, 8, 975-981.	1.3	16
40	Thoracic spinal cord injury without radiographic abnormality in an adult patient. <i>Spine Journal</i> , 2009, 9, e5-e8.	1.3	16
41	Spine surgery research: on and beyond current strategies. <i>Spine Journal</i> , 2012, 12, 706-713.	1.3	16
42	Surgical Restoration of Sagittal Alignment of the Spine: Correlation with Improved Patient-Reported Outcomes. <i>JBJS Reviews</i> , 2020, 8, e19.00100-e19.00100.	2.0	16
43	Comparing Autograft, Allograft, and Tricalcium Phosphate Ceramic in a Goat Instrumented Posterolateral Fusion Model. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 821-828.	2.1	15
44	Bone Morphogenetic Protein-2 Plasmid DNA as a Substitute for Bone Morphogenetic Protein-2 Protein in Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2013, 19, 2686-2692.	3.1	15
45	Effect of methodological quality measures in spinal surgery research: a metaepidemiological study. <i>Spine Journal</i> , 2012, 12, 339-348.	1.3	11
46	Design of COSMIC: a randomized, multi-centre controlled trial comparing conservative or early surgical management of incomplete cervical cord syndrome without spinal instability. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 52.	1.9	11
47	Degenerative Cervical Spondylosis: Natural History, Pathogenesis, and Current Management Strategies. <i>Advances in Orthopedics</i> , 2012, 2012, 1-3.	1.0	9
48	Operative Compared with Nonoperative Treatment of a Thoracolumbar Burst Fracture without Neurological Deficit. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 649-651.	3.0	9
49	Goat Bone Tissue Engineering: Comparing an Intramuscular with a Posterolateral Lumbar Spine Location. <i>Tissue Engineering - Part A</i> , 2010, 16, 685-693.	3.1	5
50	Challenging the medico-industrial-administrative complex. <i>Spine Journal</i> , 2011, 11, 698-699.	1.3	3
51	Sparing the posterior surgical site when planning radiation therapy for thoracic metastatic spinal disease. <i>Spine Journal</i> , 2012, 12, 324-328.	1.3	2
52	Kyphosis. <i>Journal of Neurosurgery: Spine</i> , 2008, 9, 511.	1.7	0