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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

2,725
citations

29
h-index

52
g-index

53
ext. papers

3,092
ext. citations

3.2
avg, IF

4.34
L-index

#	Paper	IF	Citations
51	AOSpine thoracolumbar spine injury classification system: fracture description, neurological status, and key modifiers. <i>Spine</i> , 2013 , 38, 2028-37	3.3	422
50	Bone tissue-engineered implants using human bone marrow stromal cells: effect of culture conditions and donor age. <i>Tissue Engineering</i> , 2002 , 8, 911-20		178
49	Viable osteogenic cells are obligatory for tissue-engineered ectopic bone formation in goats. <i>Tissue Engineering</i> , 2003 , 9, 327-36		177
48	Sustained release of BMP-2 in bioprinted alginate for osteogenicity in mice and rats. <i>PLoS ONE</i> , 2013 , 8, e72610	3.7	146
47	Thoracolumbar injury classification and severity score: a new paradigm for the treatment of thoracolumbar spine trauma. <i>Journal of Orthopaedic Science</i> , 2005 , 10, 671-5	1.6	135
46	Surgical decision making for unstable thoracolumbar spine injuries: results of a consensus panel review by the Spine Trauma Study Group. <i>Journal of Spinal Disorders and Techniques</i> , 2006 , 19, 1-10		114
45	Diffuse idiopathic skeletal hyperostosis of the cervical spine: an underestimated cause of dysphagia and airway obstruction. <i>Spine Journal</i> , 2011 , 11, 1058-67	4	97
44	Assessment of injury to the thoracolumbar posterior ligamentous complex in the setting of normal-appearing plain radiography. <i>Spine Journal</i> , 2007 , 7, 422-7	4	85
43	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, 2052-62	3.9	82
42	Assessment of injury to the posterior ligamentous complex in thoracolumbar spine trauma. <i>Spine Journal</i> , 2006 , 6, 524-8	4	77
41	Osteogenic differentiation as a result of BMP-2 plasmid DNA based gene therapy in vitro and in vivo. <i>European Cells and Materials</i> , 2011 , 21, 230-42; discussion 242	4.3	74
40	Porous bioprinted constructs in BMP-2 non-viral gene therapy for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6619-6626	7.3	72
39	Agreement between orthopedic surgeons and neurosurgeons regarding a new algorithm for the treatment of thoracolumbar injuries: a multicenter reliability study. <i>Journal of Spinal Disorders and Techniques</i> , 2006 , 19, 477-82		69
38	Hypertrophic differentiation and calcification during intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 1487-95	6.2	65
37	Increased MMP-2 activity during intervertebral disc degeneration is correlated to MMP-14 levels. <i>Journal of Pathology</i> , 2008 , 214, 523-30	9.4	61
36	Spinal reconstruction and bone morphogenetic proteins: open questions. <i>Injury</i> , 2009 , 40 Suppl 3, S32-8	2.5	59
35	A validated new histological classification for intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 2039-47	6.2	58

34	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. Invited submission from the Joint Section Meeting On Disorders of the Spine and Peripheral Nerves, March 2005. <i>Journal of Neurosurgery: Spine</i> , 2006 , 4, 118-22	2.8	54
33	Bone tissue engineering and spinal fusion: the potential of hybrid constructs by combining osteoprogenitor cells and scaffolds. <i>Biomaterials</i> , 2004 , 25, 1463-73	15.6	54
32	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, 3343-51	3.9	43
31	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, 1081-89	3.9	43
30	Application and limitations of chloromethyl-benzamidodialkylcarbocyanine for tracing cells used in bone Tissue engineering. <i>Tissue Engineering</i> , 2003 , 9, 105-15		42
29	Bone tissue engineering for spine fusion: an experimental study on ectopic and orthotopic implants in rats. <i>Tissue Engineering</i> , 2004 , 10, 231-9		40
28	Micro-CT quantification of subchondral endplate changes in intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2011 , 19, 89-95	6.2	38
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, 217-21	4	37
26	The influence of diffuse idiopathic skeletal hyperostosis on bone mineral density measurements of the spine. <i>Rheumatology</i> , 2009 , 48, 1133-6	3.9	35
25	Influence of endothelial progenitor cells and platelet gel on tissue-engineered bone ectopically in goats. <i>Tissue Engineering - Part A</i> , 2009 , 15, 3669-77	3.9	30
24	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, e1-8		30
23	Total disc replacement for chronic back pain in the presence of disc degeneration. <i>The Cochrane Library</i> , 2012 , CD008326	5.2	26
22	Severe erosion of lumbar vertebral body because of abdominal aortic false aneurysm: report of two cases. <i>Spine</i> , 2002 , 27, E382-4	3.3	25
21	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, e175-9	2.1	23
20	Are existing outcome instruments suitable for assessment of spinal trauma patients?. <i>Journal of Neurosurgery: Spine</i> , 2010 , 13, 638-47	2.8	23
19	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	3	23
18	Percutaneous vertebroplasty for treatment of thoracolumbar spine bursting fracture. Chen JF, Lee ST. <i>Surg Neurol</i> 2004;62:494-500. <i>World Neurosurgery</i> , 2005 , 64, 96-7; author reply 97		16
17	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	2.8	15

16	Spine surgery research: on and beyond current strategies. <i>Spine Journal</i> , 2012 , 12, 706-13	4	14
15	Thoracic spinal cord injury without radiographic abnormality in an adult patient. <i>Spine Journal</i> , 2009 , 9, e5-8	4	14
14	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, 2686-92	3.9	13
13	Description and Reliability of the AOSpine Sacral Classification System. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, 1454-1463	5.6	13
12	Comparing autograft, allograft, and tricalcium phosphate ceramic in a goat instrumented posterolateral fusion model. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 821-8	2.9	12
11	Effect of methodological quality measures in spinal surgery research: a metaepidemiological study. <i>Spine Journal</i> , 2012 , 12, 339-48	4	11
10	Surgeon equipoise as an inclusion criterion for the evaluation of nonoperative versus operative treatment of thoracolumbar spinal injuries. <i>Spine Journal</i> , 2008 , 8, 975-81	4	11
9	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	2.8	10
8	Degenerative cervical spondylosis: natural history, pathogenesis, and current management strategies. <i>Advances in Orthopedics</i> , 2012 , 2012, 916987	2.1	7
7	Goat bone tissue engineering: comparing an intramuscular with a posterolateral lumbar spine location. <i>Tissue Engineering - Part A</i> , 2010 , 16, 685-93	3.9	4
6	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, 649-50; author reply 650-1	5.6	4
5	Challenging the medico-industrial-administrative complex. <i>Spine Journal</i> , 2011 , 11, 698-9	4	3
4	Surgical Restoration of Sagittal Alignment of the Spine: Correlation with Improved Patient-Reported Outcomes: A Systematic Review and Meta-Analysis. <i>JBJs Reviews</i> , 2020 , 8, e1900100	2.6	3
3	Sparing the posterior surgical site when planning radiation therapy for thoracic metastatic spinal disease. <i>Spine Journal</i> , 2012 , 12, 324-8	4	2
2	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 ,	6.2	1
1	Kyphosis. <i>Journal of Neurosurgery: Spine</i> , 2008 , 9, 511	2.8	