

William J Richardson

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,491
citations

117625

34
h-index

138484

58
g-index

64
all docs

64
docs citations

64
times ranked

3282
citing authors

#	ARTICLE	IF	CITATIONS
1	Proinflammatory cytokine expression profile in degenerated and herniated human intervertebral disc tissues. <i>Arthritis and Rheumatism</i> , 2010, 62, 1974-1982.	6.7	329
2	Standard Scales for Measurement of Functional Outcome for Cervical Pain or Dysfunction. <i>Spine</i> , 2002, 27, 515-522.	2.0	282
3	The Cervical Facet Capsule and Its Role in Whiplash Injury. <i>Spine</i> , 2000, 25, 1238-1246.	2.0	181
4	Diabetes and Early Postoperative Outcomes Following Lumbar Fusion. <i>Spine</i> , 2007, 32, 2214-2219.	2.0	167
5	Dynamic responses of the head and cervical spine to axial impact loading. <i>Journal of Biomechanics</i> , 1996, 29, 307-318.	2.1	160
6	Comparative strengths and structural properties of the upper and lower cervical spine in flexion and extension. <i>Journal of Biomechanics</i> , 2002, 35, 725-732.	2.1	134
7	Comparison of Superior-Level Facet Joint Violations During Open and Percutaneous Pedicle Screw Placement. <i>Neurosurgery</i> , 2012, 71, 962-970.	1.1	115
8	Experimental Impact Injury to the Cervical Spine. <i>Journal of Bone and Joint Surgery - Series A</i> , 1996, 78, 412-21.	3.0	106
9	Interleukin-17 synergizes with IFN- γ or TNF- α to promote inflammatory mediator release and intercellular adhesion molecule-1 (ICAM-1) expression in human intervertebral disc cells. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1-7.	2.3	100
10	Injectable laminin-functionalized hydrogel for nucleus pulposus regeneration. <i>Biomaterials</i> , 2013, 34, 7381-7388.	11.4	96
11	Observer Variability in Assessing Lumbar Spinal Stenosis Severity on Magnetic Resonance Imaging and Its Relation to Cross-Sectional Spinal Canal Area. <i>Spine</i> , 2002, 27, 1082-1086.	2.0	89
12	Improved assessment of lumbar vertebral body strength using supine lateral dual-energy X-ray absorptiometry. <i>Journal of Bone and Mineral Research</i> , 1994, 9, 687-693.	2.8	85
13	Integrin expression in cells of the intervertebral disc. <i>Journal of Anatomy</i> , 2004, 204, 515-520.	1.5	74
14	Functional integrin subunits regulating cell-matrix interactions in the intervertebral disc. <i>Journal of Orthopaedic Research</i> , 2007, 25, 829-840.	2.3	73
15	The "Mini Brain". <i>American Journal of Roentgenology</i> , 2000, 175, 261-263.	2.2	72
16	Expression of Laminin Isoforms, Receptors, and Binding Proteins Unique to Nucleus Pulposus Cells of Immature Intervertebral Disc. <i>Connective Tissue Research</i> , 2009, 50, 294-306.	2.3	70
17	The Role of Imaging and In Situ Biomechanical Testing in Assessing Pedicle Screw Pull-Out Strength. <i>Spine</i> , 1996, 21, 1962-1968.	2.0	66
18	Comparison of visually estimated blood loss with direct hemoglobin measurement in multilevel spine surgery. <i>Transfusion</i> , 2013, 53, 2790-2794.	1.6	61

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19	Early onset degeneration of the intervertebral disc and vertebral end plate in mice deficient in type IX collagen. <i>Arthritis and Rheumatism</i> , 2008, 58, 164-171.	6.7	60
20	Gait Abnormalities and Inflammatory Cytokines in an Autologous Nucleus Pulposus Model of Radiculopathy. <i>Spine</i> , 2009, 34, 648-654.	2.0	56
21	Identifying molecular phenotype of nucleus pulposus cells in human intervertebral disc with aging and degeneration. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1316-1326.	2.3	54
22	Synthesis and characterization of a thermally-responsive tumor necrosis factor antagonist. <i>Journal of Controlled Release</i> , 2008, 129, 179-186.	9.9	52
23	Expression of laminin isoforms, receptors, and binding proteins unique to nucleus pulposus cells of immature intervertebral disc. <i>Connective Tissue Research</i> , 2009, 50, 294-306.	2.3	52
24	Preoperative Transarterial Embolization of Spinal Column Neoplasms. <i>Journal of Vascular and Interventional Radiology</i> , 1995, 6, 863-869.	0.5	51
25	Osmolarity Regulates Gene Expression in Intervertebral Disc Cells Determined by Gene Array and Real-Time Quantitative RT-PCR. <i>Annals of Biomedical Engineering</i> , 2005, 33, 1071-1077.	2.5	51
26	An Injectable and In Situ-Gelling Biopolymer for Sustained Drug Release Following Perineural Administration. <i>Spine</i> , 2008, 33, 748-754.	2.0	50
27	The Effects of Padded Surfaces on the Risk for Cervical Spine Injury. <i>Spine</i> , 1997, 22, 2380-2387.	2.0	49
28	Clustered clinical findings for diagnosis of cervical spine myelopathy. <i>Journal of Manual and Manipulative Therapy</i> , 2010, 18, 175-180.	1.2	48
29	Attenuation of Inflammatory Events in Human Intervertebral Disc Cells With a Tumor Necrosis Factor Antagonist. <i>Spine</i> , 2011, 36, 1190-1196.	2.0	48
30	Relationships of Clinical, Psychologic, and Individual Factors with the Functional Status of Neck Pain Patients. <i>Value in Health</i> , 2004, 7, 61-69.	0.3	47
31	Strength and Stability of Posterior Lumbar Interbody Fusion. <i>Spine</i> , 1997, 22, 1181-1188.	2.0	46
32	Diabetes and Perioperative Outcomes Following Cervical Fusion in Patients With Myelopathy. <i>Spine</i> , 2008, 33, E254-E260.	2.0	46
33	Geographic variation in lumbar fusion for degenerative disorders: 1990 to 2000. <i>Spine Journal</i> , 2007, 7, 552-557.	1.3	44
34	Use of the Microvascular Free Fibula Transfer as a Salvage Reconstruction for Failed Anterior Spine Surgery due to Chronic Osteomyelitis. <i>Plastic and Reconstructive Surgery</i> , 2006, 117, 2438-2445.	1.4	38
35	N-Cadherin-Mediated Signaling Regulates Cell Phenotype for Nucleus Pulposus Cells of the Intervertebral Disc. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 51-62.	2.1	32
36	The clinical value of a cluster of patient history and observational findings as a diagnostic support tool for lumbar spine stenosis. <i>Physiotherapy Research International</i> , 2011, 16, 170-178.	1.5	29

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37	A Biomechanical, Radiologic, and Clinical Comparison of Outcome After Multilevel Cervical Laminectomy or Laminoplasty in the Rabbit. <i>Spine</i> , 2000, 25, 2925-2931.	2.0	27
38	The Influence of End Condition on Human Cervical Spine Injury Mechanisms. , 1991, , .		25
39	The development of a clinical decision making algorithm for detection of osteoporotic vertebral compression fracture or wedge deformity. <i>Journal of Manual and Manipulative Therapy</i> , 2010, 18, 44-49.	1.2	23
40	The Risk of Risk-Adjustment Measures for Perioperative Spine Infection After Spinal Surgery. <i>Spine</i> , 2011, 36, 752-758.	2.0	23
41	Complications, revision fusions, readmissions, and utilization over a 1-year period after bone morphogenetic protein use during primary cervical spine fusions. <i>Spine Journal</i> , 2014, 14, 2051-2059.	1.3	23
42	Treatment of neuroinflammation by soluble tumor necrosis factor receptor Type II fused to a thermally responsive carrier. <i>Journal of Neurosurgery: Spine</i> , 2008, 9, 221-228.	1.7	22
43	Title is missing!. <i>Spine</i> , 2003, 28, 1739-1745.	2.0	21
44	Bipolar tissue sealant device decreases hemoglobin loss in multilevel spine surgery. <i>Transfusion</i> , 2012, 52, 2594-2599.	1.6	21
45	Diaphyseal Lengthening for Shortness of the Toe. <i>Foot & Ankle</i> , 1985, 5, 251-256.	0.7	20
46	Expression of Laminin Isoforms, Receptors, and Binding Proteins Unique to Nucleus Pulposus Cells of Immature Intervertebral Disc. <i>Connective Tissue Research</i> , 2009, 50, 294-306.	2.3	20
47	Kinematic and dynamic gait compensations in a rat model of lumbar radiculopathy and the effects of tumor necrosis factor-alpha antagonism. <i>Arthritis Research and Therapy</i> , 2011, 13, R137.	3.5	17
48	Differences in Comorbidities on Low Back Pain and Low Back Related Leg Pain. <i>Pain Practice</i> , 2011, 11, 42-47.	1.9	17
49	Molecular characterization of chordoma xenografts generated from a novel primary chordoma cell source and two chordoma cell lines. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 386-393.	1.7	17
50	A new non-enzymatic method for isolating human intervertebral disc cells preserves the phenotype of nucleus pulposus cells. <i>Cytotechnology</i> , 2014, 66, 979-986.	1.6	16
51	Systematic review of diagnostic accuracy of patient history, clinical findings, and physical tests in the diagnosis of lumbar spinal stenosis. <i>European Spine Journal</i> , 2020, 29, 93-112.	2.2	16
52	Dynamic contrast-enhanced MR imaging assessment of vascularized free fibular grafts. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 441-449.	3.4	11
53	Changes in Midbrain Pain Receptor Expression, Gait and Behavioral Sensitivity in a Rat Model of Radiculopathy. <i>The Open Orthopaedics Journal</i> , 2012, 6, 383-391.	0.2	11
54	Surgical Team Stability and Risk of Sharps-Related Blood and Body Fluid Exposures During Surgical Procedures. <i>Infection Control and Hospital Epidemiology</i> , 2016, 37, 512-518.	1.8	9

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55	Magnetic resonance imaging findings of disc-related epidural cysts in nonsurgical and postoperative microdiscectomy patients. <i>Radiologia Brasileira</i> , 2012, 45, 205-209.	0.7	9
56	Surgical Procedure Characteristics and Risk of Sharps-Related Blood and Body Fluid Exposure. <i>Infection Control and Hospital Epidemiology</i> , 2016, 37, 80-87.	1.8	8
57	Differential expression of galectin-1 and its interactions with cells and laminins in the intervertebral disc. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1923-1931.	2.3	7
58	Patient Dose Comparison for Intraoperative Imaging Devices Used in Orthopaedic Lumbar Spinal Surgery. <i>Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews</i> , 2018, 2, e030.	0.7	5
59	Distant Harrington rod migration 35 years after implantation. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 1452-1453.	1.5	3
60	Ulnar Nerve Transection in an Orthopaedic Surgeon Sustained During Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e2.	3.0	3
61	Clinical Outcome Scales for Use in a Rabbit Model of Cervical Myelopathy. <i>Journal of Spinal Disorders</i> , 2000, 13, 124-130.	1.1	2
62	Duke Surgery Patient Safety: an open-source application for anonymous reporting of adverse and near-miss surgical events. <i>Annals of Surgical Innovation and Research</i> , 2007, 1, 5.	1.3	2
63	New Directions and Therapeutics in Surgical Spine Treatment. <i>Frontiers in Neuroscience</i> , 2004, , 243-266.	0.0	0