

Anton E Dmitriev

List of Publications by Year in descending order

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37
papers

1,774
citations

304743

22
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

1196
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone morphogenetic protein-2-mediated pain and inflammation in a rat model of posterolateral arthrodesis. BMC Neuroscience, 2016, 17, 80.	1.9	12
2	Biomechanical stability of transverse connectors in the setting of a thoracic pedicle subtraction osteotomy. Spine Journal, 2015, 15, 1629-1635.	1.3	18
3	Effects of rod reduction on pedicle screw fixation strength in the setting of Ponte osteotomies. Spine Journal, 2015, 15, 146-152.	1.3	8
4	Bilateral pedicle screw fixation provides superior biomechanical stability in transforaminal lumbar interbody fusion: a finite element study. Spine Journal, 2015, 15, 1812-1822.	1.3	107
5	Pedicle Screw "Hubbing" in the Immature Thoracic Spine. Journal of Pediatric Orthopaedics, 2014, 34, 703-709.	1.2	5
6	Pedicle Screw Reinsertion Using Previous Pilot Hole and Trajectory Does Not Reduce Fixation Strength. Spine, 2014, 39, 1640-1647.	2.0	8
7	Do stand-alone interbody spacers with integrated screws provide adequate segmental stability for multilevel cervical arthrodesis?. Spine Journal, 2014, 14, 1740-1747.	1.3	22
8	Tapping insertional torque allows prediction for better pedicle screw fixation and optimal screw size selection. Spine Journal, 2013, 13, 957-965.	1.3	38
9	The biomechanical consequences of rod reduction on pedicle screws: should it be avoided?. Spine Journal, 2013, 13, 1617-1626.	1.3	37
10	What is the Best Way to Optimize Thoracic Kyphosis Correction? A Micro-CT and Biomechanical Analysis of Pedicle Morphology and Screw Failure. Spine, 2012, 37, E1171-E1176.	2.0	13
11	Biomechanical analysis of the C2 intralaminar fixation technique using a cross-link and offset connector for an unstable atlantoaxial joint. Spine Journal, 2012, 12, 151-156.	1.3	30
12	The biomechanical effect of pedicle screw hubbing on pullout resistance in the thoracic spine. Spine Journal, 2012, 12, 417-424.	1.3	49
13	Bone morphogenetic protein-2 and spinal arthrodesis: the basic science perspective on protein interaction with the nervous system. Spine Journal, 2011, 11, 500-505.	1.3	58
14	Dmitriev et al. respond. Spine Journal, 2011, 11, 802-803.	1.3	0
15	Alterations in Recovery from Spinal Cord Injury in Rats Treated with Recombinant Human Bone Morphogenetic Protein-2 for Posterolateral Arthrodesis. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1488-1499.	3.0	12
16	Bone morphogenetic protein-2 used in spinal fusion with spinal cord injury penetrates intrathecally and elicits a functional signaling cascade. Spine Journal, 2010, 10, 16-25.	1.3	39
17	Does catastrophic midline failure of upper thoracic lamina screws violate the spinal canal? A cadaveric biomechanical analysis using two lamina screw techniques. Spine Journal, 2010, 10, 1007-1013.	1.3	3
18	Using lamina screws as a salvage technique at C-7: computed tomography and biomechanical analysis using cadaveric vertebrae. Journal of Neurosurgery: Spine, 2009, 11, 28-33.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Acute and Long-term Stability of Atlantoaxial Fixation Methods. Spine, 2009, 34, 365-370.	2.0	59
20	A Biomechanical Comparison of Different Types of Lumbopelvic Fixation. Spine, 2009, 34, E866-E872.	2.0	46
21	Effect of multilevel lumbar disc arthroplasty on the operative- and adjacent-level kinematics and intradiscal pressures: an in vitro human cadaveric assessment. Spine Journal, 2008, 8, 918-925.	1.3	51
22	Biomechanical Contribution of Transverse Connectors to Segmental Stability Following Long Segment Instrumentation With Thoracic Pedicle Screws. Spine, 2008, 33, E482-E487.	2.0	47
23	Computed Tomography and Biomechanical Evaluation of Screw Fixation Options at the Cervicothoracic Junction. Spine, 2008, 33, 2612-2617.	2.0	16
24	Salvage of C2 Pedicle and Pars Screws Using the Intralaminar Technique. Spine, 2008, 33, 960-965.	2.0	90
25	Stabilizing Potential of Anterior, Posterior, and Circumferential Fixation for Multilevel Cervical Arthrodesis. Spine, 2007, 32, E188-E196.	2.0	46
26	Multidirectional flexibility analysis of anterior and posterior lumbar artificial disc reconstruction: in vitro human cadaveric spine model. European Spine Journal, 2006, 15, 1511-1520.	2.2	25
27	Adjacent Level Intradiscal Pressure and Segmental Kinematics Following A Cervical Total Disc Arthroplasty. Spine, 2005, 30, 1165-1172.	2.0	292
28	Lumbosacral fixation: an update. Current Opinion in Orthopaedics, 2005, 16, 137-143.	0.3	1
29	Biomechanical Considerations of Spinal Instrumentation in the Aging Spine. Seminars in Spine Surgery, 2005, 17, 215-222.	0.2	0
30	Multidirectional flexibility analysis of cervical artificial disc reconstruction: in vitro human cadaveric spine model. Journal of Neurosurgery: Spine, 2005, 2, 188-194.	1.7	36
31	Total disc replacement arthroplasty using the AcroFlex lumbar disc: a non-human primate model. , 2004, , 59-67.		2
32	General Principles of Total Disc Replacement Arthroplasty. Spine, 2003, 28, S118-S124.	2.0	66
33	Biomechanical Evaluation of Total Disc Replacement Arthroplasty: An In Vitro Human Cadaveric Model. Spine, 2003, 28, S110-S117.	2.0	217
34	Analysis of Porous Ingrowth in Intervertebral Disc Prostheses. Spine, 2003, 28, 332-340.	2.0	64
35	The Effect of Titanium Particulate on Development and Maintenance of a Posterolateral Spinal Arthrodesis. Spine, 2002, 27, 1971-1981.	2.0	83
36	Biomechanical Evaluation of Lumbosacral Reconstruction Techniques for Spondylolisthesis. Spine, 2002, 27, 2321-2327.	2.0	97

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37	Total disc replacement arthroplasty using the AcroFlex lumbar disc: a non-human primate model. European Spine Journal, 2002, 11, S115-S123.	2.2	55