# Anton E Dmitriev

List of Publications by Year
in descending order



| 37 | 1,774 | 304743 22 | 377865 34 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 37 | 37 | 37 | 1196 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Adjacent Level Intradiscal Pressure and Segmental Kinematics Following A Cervical Total Disc Arthroplasty. Spine, 2005, 30, 1165-1172. | 2.0 | 292 |
| 2 | Biomechanical Evaluation of Total Disc Replacement Arthroplasty: An In Vitro Human Cadaveric Model. Spine, 2003, 28, S110-S117. | 2.0 | 217 |
| 3 | 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 |
| 4 | Biomechanical Evaluation of Lumbosacral Reconstruction Techniques for Spondylolisthesis. Spine, 2002, 27, 2321-2327. | 2.0 | 97 |
| 5 | Salvage of C2 Pedicle and Pars Screws Using the Intralaminar Technique. Spine, 2008, 33, 960-965. | 2.0 | 90 |
| 6 | The Effect of Titanium Particulate on Development and Maintenance of a Posterolateral Spinal Arthrodesis. Spine, 2002, 27, 1971-1981. | 2.0 | 83 |
| 7 | General Principles of Total Disc Replacement Arthroplasty. Spine, 2003, 28, S118-S124. | 2.0 | 66 |
| 8 | Analysis of Porous Ingrowth in Intervertebral Disc Prostheses. Spine, 2003, 28, 332-340. | 2.0 | 64 |
| 9 | Acute and Long-term Stability of Atlantoaxial Fixation Methods. Spine, 2009, 34, 365-370. | 2.0 | 59 |
| 10 | 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 |
| 11 | Total disc replacement arthroplasty using the AcroFlex lumbar disc: a non-human primate model. European Spine Journal, 2002, 11, S115-S123. | 2.2 | 55 |
| 12 | 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 |
| 13 | The biomechanical effect of pedicle screw hubbing on pullout resistance in the thoracic spine. Spine Journal, 2012, 12, 417-424. | 1.3 | 49 |
| 14 | Biomechanical Contribution of Transverse Connectors to Segmental Stability Following Long Segment Instrumentation With Thoracic Pedicle Screws. Spine, 2008, 33, E482-E487. | 2.0 | 47 |
| 15 | Stabilizing Potential of Anterior, Posterior, and Circumferential Fixation for Multilevel Cervical Arthrodesis. Spine, 2007, 32, E188-E196. | 2.0 | 46 |
| 16 | A Biomechanical Comparison of Different Types of Lumbopelvic Fixation. Spine, 2009, 34, E866-E872. | 2.0 | 46 |
| 17 | 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 |
| 18 | Tapping insertional torque allows prediction for better pedicle screw fixation and optimal screw size selection. Spine Journal, 2013, 13, 957-965. | 1.3 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The biomechanical consequences of rod reduction on pedicle screws: should it be avoided?. Spine Journal, 2013, 13, 1617-1626. | 1.3 | 37 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Biomechanical stability of transverse connectors in the setting of a thoracic pedicle subtraction osteotomy. Spine Journal, 2015, 15, 1629-1635. | 1.3 | 18 |
| 26 | Computed Tomography and Biomechanical Evaluation of Screw Fixation Options at the Cervicothoracic Junction. Spine, 2008, 33, 2612-2617. | 2.0 | 16 |
| 27 | 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 |
| 28 | 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 |
| 29 | Bone morphogenetic protein-2-mediated pain and inflammation in a rat model of posterolateral arthrodesis. BMC Neuroscience, 2016, 17, 80. | 1.9 | 12 |
| 30 | Pedicle Screw Reinsertion Using Previous Pilot Hole and Trajectory Does Not Reduce Fixation Strength. Spine, 2014, 39, 1640-1647. | 2.0 | 8 |
| 31 | Effects of rod reduction on pedicle screw fixation strength in the setting of Ponte osteotomies. Spine Journal, 2015, 15, 146-152. | 1.3 | 8 |
| 32 | Pedicle Screw â€œHubbingâ€•in the Immature Thoracic Spine. Journal of Pediatric Orthopaedics, 2014, 34, 703-709. | 1.2 | 5 |
| 33 | 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 |
| 34 | Total disc replacement arthroplasty using the AcroFlex lumbar disc: a non-human primate model. , 2004, , 59-67. | | 2 |
| 35 | Lumbosacral fixation: an update. Current Opinion in Orthopaedics, 2005, 16, 137-143. | 0.3 | 1 |
| 36 | Biomechanical Considerations of Spinal Instrumentation in the Aging Spine. Seminars in Spine Surgery, 2005, 17, 215-222. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Dmitriev et al. respond. Spine Journal, 2011, 11, 802-803. | 1.3 | 0 |