

Lennart Viezens

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

331
citations

1163117

8
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Insufficient stability of pedicle screws in osteoporotic vertebrae: biomechanical correlation of bone mineral density and pedicle screw fixation strength. <i>European Spine Journal</i> , 2017, 26, 2891-2897.	2.2	112
2	Comparison Between Minimally Invasive Surgery and Conventional Open Surgery for Patients With Spinal Metastasis. <i>Spine</i> , 2017, 42, 789-797.	2.0	82
3	An incomplete paraplegia following the dislocation of an artificial cervical total disc replacement. <i>Journal of Neurosurgery: Spine</i> , 2013, 18, 255-259.	1.7	20
4	Influence of microbiological diagnosis on the clinical course of spondylodiscitis. <i>Infection</i> , 2021, 49, 1017-1027.	4.7	19
5	Spontaneous Pyogenic Spondylodiscitis in the Thoracic or Lumbar Spine: A Retrospective Cohort Study Comparing the Safety and Efficacy of Minimally Invasive and Open Surgery Over a Nine-Year Period. <i>World Neurosurgery</i> , 2017, 102, 18-27.	1.3	18
6	Impact of Screw Diameter on Pedicle Screw Fatigue Strength—A Biomechanical Evaluation. <i>World Neurosurgery</i> , 2021, 152, e369-e376.	1.3	12
7	The Hamburg Spondylodiscitis Assessment Score (HSAS) for Immediate Evaluation of Mortality Risk on Hospital Admission. <i>Journal of Clinical Medicine</i> , 2022, 11, 660.	2.4	10
8	Sunitinib treatment reduces tumor growth and limits changes in microvascular properties after minor surgical intervention in an in vivo model of secondary breast cancer growth in bone. <i>Journal of Surgical Oncology</i> , 2016, 113, 515-521.	1.7	9
9	Intraoperative blood loss in oncological spine surgery. <i>Neurosurgical Focus</i> , 2021, 50, E14.	2.3	9
10	Cortical threaded pedicle screw improves fatigue strength in decreased bone quality. <i>European Spine Journal</i> , 2021, 30, 128-135.	2.2	8
11	Spontaneous spondylodiscitis and endocarditis: interdisciplinary experience from a tertiary institutional case series and proposal of a treatment algorithm. <i>Neurosurgical Review</i> , 2022, 45, 1335-1342.	2.4	8
12	Posterior Only Vertebral Column Resection for the Treatment of Severe Spinal Deformities in Pediatric Patients: A Retrospective Case Series. <i>World Neurosurgery</i> , 2017, 101, 425-430.	1.3	7
13	Safety and Efficacy of Single-Stage versus 2-Stage Spinal Fusion via Posterior Instrumentation and Anterior Thoracoscopy: A Retrospective Matched-Pair Cohort Study with 247 Consecutive Patients. <i>World Neurosurgery</i> , 2018, 109, e739-e747.	1.3	4
14	Total disc arthroplasties change the kinematics of functional spinal units during lateral bending. <i>Clinical Biomechanics</i> , 2020, 73, 130-139.	1.2	4
15	Total disc arthroplasties alter the characteristics of the instantaneous helical axis of the cervical functional spinal units C3/C4 and C5/C6 during flexion and extension in in vitro conditions. <i>Journal of Biomechanics</i> , 2020, 100, 109608.	2.1	3
16	Posterior vertebral column resection as a safe procedure leading to solid bone fusion in metastatic epidural spinal cord compression. <i>Neurosurgical Focus</i> , 2021, 50, E8.	2.3	3
17	Lumbar Neuroforaminal Decompression with a Flexible Microblade Shaver System: Results of a Cadaveric Study. <i>World Neurosurgery</i> , 2016, 94, 57-63.	1.3	2
18	Preclinical Quantification of Prostate Cancer-Associated Vascular Alterations in the Bone Microenvironment in vivo. <i>European Surgical Research</i> , 2020, 61, 188-200.	1.3	0

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19	Outcome after Posterior Vertebral Column Resection in Patients with Severe Osteoporotic Fractures – A Retrospective Analysis from Two Centers. <i>Medicina (Lithuania)</i> , 2022, 58, 277.	2.0	0
20	The limitations of fully threaded screws in isolated percutaneous transarticular screw fixation of C1/C2. <i>Scientific Reports</i> , 2022, 12, 6484.	3.3	0