

Roger Härtl

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

7,704
citations

50276

46
h-index

56724

83
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165
all docs

165
docs citations

165
times ranked

5765
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel MIS 3D NAV Single Step Pedicle Screw System (SSPSS): Workflow, Accuracy and Initial Clinical Experience. <i>Global Spine Journal</i> , 2022, 12, 1098-1108.	2.3	7
2	Innovative Biological Treatment Methods for Degenerative Disc Disease. <i>World Neurosurgery</i> , 2022, 157, 282-299.	1.3	5
3	Fundamentals of Intervertebral Disc Degeneration. <i>World Neurosurgery</i> , 2022, 157, 264-273.	1.3	57
4	Challenges in the Development of Biological Approaches for the Treatment of Degenerative Disc Disease. <i>World Neurosurgery</i> , 2022, 157, 274-281.	1.3	4
5	Pediatric Hydrocephalus in Northwest Tanzania: A Descriptive Cross-Sectional Study of Clinical Characteristics and Early Surgical Outcomes from the Bugando Medical Centre. <i>World Neurosurgery</i> , 2022, 161, e339-e346.	1.3	4
6	Safety and Feasibility of DTRAX Cervical Cages in the Atlantoaxial Joint for C1/2 Stabilization. <i>Operative Neurosurgery</i> , 2022, 22, 322-327.	0.8	3
7	Casemix, management, and mortality of patients receiving emergency neurosurgery for traumatic brain injury in the Global Neurotrauma Outcomes Study: a prospective observational cohort study. <i>Lancet Neurology</i> , The, 2022, 21, 438-449.	10.2	46
8	MIS-TLIF with 3D Navigation and Augmented Reality Enhanced. , 2022, , 409-416.		0
9	Lumbar Giant Disk Herniations Treated With a Unilateral Approach for Bilateral Decompression. <i>Operative Neurosurgery</i> , 2022, 23, 60-66.	0.8	2
10	Challenges Hindering Widespread Adoption of Minimally Invasive Spinal Surgery. <i>World Neurosurgery</i> , 2022, 163, 228-232.	1.3	3
11	Minimally Invasive Spine Surgery: An Overview. <i>World Neurosurgery</i> , 2022, 163, 214-227.	1.3	11
12	Operative Treatment of Traumatic Spinal Injuries in Tanzania: Surgical Management, Neurologic Outcomes, and Time to Surgery. <i>Global Spine Journal</i> , 2021, 11, 89-98.	2.3	19
13	Approved Products in the USA: AxiaLIF. , 2021, , 1211-1216.		0
14	Biological Treatment Approaches for Degenerative Disc Disease: Injectable Biomaterials and Bioartificial Disc Replacement. , 2021, , 171-195.		1
15	Intraoperative image guidance for cervical spine surgery. <i>Annals of Translational Medicine</i> , 2021, 9, 93-93.	1.7	11
16	Severe traumatic brain injury management in Tanzania: analysis of a prospective cohort. <i>Journal of Neurosurgery</i> , 2021, 135, 1190-1202.	1.6	5
17	Commentary on "Robot-Guided Transforaminal Versus Robot-Guided Posterior Lumbar Interbody Fusion for Lumbar Degenerative Disease". <i>Neurospine</i> , 2021, 18, 106-108.	2.9	1
18	Elastic Image Fusion Software to Coregister Preoperatively Planned Pedicle Screws With Intraoperative Computed Tomography Data for Image-Guided Spinal Surgery. <i>International Journal of Spine Surgery</i> , 2021, 15, 295-301.	1.5	6

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19	Pathomechanism and Biomechanics of Degenerative Disc Disease: Features of Healthy and Degenerated Discs. <i>International Journal of Spine Surgery</i> , 2021, 15, 10-25.	1.5	18
20	Ten-Step Minimally Invasive Treatment of Lumbar Giant Disc Herniation via Unilateral Tubular Laminotomy for Bilateral Decompression: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E452-E453.	0.8	5
21	Intraoperative Simulation: Team Training for Resuscitation While Using Intraoperative Computed Tomography: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E546-E547.	0.8	1
22	Cervical Spine Trauma in East Africa: Presentation, Treatment, and Mortality. <i>International Journal of Spine Surgery</i> , 2021, 15, 879-889.	1.5	8
23	Image Guidance in Spinal Surgery: A Critical Appraisal and Future Directions. <i>International Journal of Spine Surgery</i> , 2021, 15, S74-S86.	1.5	13
24	Minimally Invasive Transforaminal Lumbar Interbody Fusion using 3-Dimensional Total Navigation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 18, E9-E10.	0.8	6
25	Hypertonic Saline is Superior to Mannitol for the Combined Effect on Intracranial Pressure and Cerebral Perfusion Pressure Burdens in Patients With Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2020, 86, 221-230.	1.1	50
26	Retrospective Review of Immediate Restoration of Lordosis in Single-Level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparison of Static and Expandable Interbody Cages. <i>Operative Neurosurgery</i> , 2020, 18, 518-523.	0.8	51
27	Minimally Invasive Laminotomy for Contralateral "Over-the-Top" Foraminal Decompression Using 3-Dimensional Total Navigation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E296-E296.	0.8	8
28	Muscle Flap Closure following Complex Spine Surgery: A Decade of Experience. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 642e-650e.	1.4	6
29	Minimally Invasive Posterior Cervical Foraminotomy Using 3-Dimensional Total Navigation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 20, E138.	0.8	1
30	Nonoperative treatment of traumatic spinal injuries in Tanzania: who is not undergoing surgery and why?. <i>Spinal Cord</i> , 2020, 58, 1197-1205.	1.9	10
31	AOSpine Consensus Paper on Nomenclature for Working-Channel Endoscopic Spinal Procedures. <i>Global Spine Journal</i> , 2020, 10, 111S-121S.	2.3	81
32	Pressure ulcers after traumatic spinal injury in East Africa: risk factors, illustrative case, and low-cost protocol for prevention and treatment. <i>Spinal Cord Series and Cases</i> , 2020, 6, 48.	0.6	6
33	Evolving Navigation, Robotics, and Augmented Reality in Minimally Invasive Spine Surgery. <i>Global Spine Journal</i> , 2020, 10, 22S-33S.	2.3	42
34	Development of a Curriculum for Minimally Invasive Spine Surgery (MISS). <i>Global Spine Journal</i> , 2020, 10, 122S-125S.	2.3	8
35	Combined nucleus pulposus augmentation and annulus fibrosus repair prevents acute intervertebral disc degeneration after discectomy. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	79
36	Less Invasive Cervical Decompression via Unilateral Tubular Laminotomy Using 3-Dimensional Total Navigation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E418-E418.	0.8	4

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37	Defining the MIS-TLIF: A Systematic Review of Techniques and Technologies Used by Surgeons Worldwide. <i>Global Spine Journal</i> , 2020, 10, 151S-167S.	2.3	44
38	Tandem Microscopic Slalom Technique: The Use of 2 Microscopes Simultaneously Performing Unilateral Laminotomy for Bilateral Decompression in Multilevel Lumbar Spinal Stenosis. <i>Global Spine Journal</i> , 2020, 10, 88S-93S.	2.3	5
39	Metrics Development for Minimal Invasive Unilateral Laminotomy for Bilateral Decompression of Lumbar Spinal Stenosis With and Without Spondylolisthesis by an International Expert Panel. <i>Global Spine Journal</i> , 2020, 10, 168S-175S.	2.3	6
40	Review of the Highlights from the First Annual Global Neurosurgery 2019: A Practical Symposium. <i>World Neurosurgery</i> , 2020, 137, 46-54.	1.3	5
41	Increased sensitivity to traumatic axonal injury on postconcussion diffusion tensor imaging scans in National Football League players by using premorbid baseline scans. <i>Journal of Neurosurgery</i> , 2020, 133, 1063-1071.	1.6	5
42	Biological Treatment Approaches for Degenerative Disc Disease: Injectable Biomaterials and Bioartificial Disc Replacement. , 2020, , 1-25.		0
43	Delayed death after hyena bite in a 3-year-old Tanzanian boy: the unique reality of neurosurgery in a resource-limited setting. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 25, 659-662.	1.3	0
44	Approved Products in the USA: AxiaLIF. , 2020, , 1-6.		1
45	Instrumented arthrodesis for non-traumatic craniocervical instability in very young children. <i>Child's Nervous System</i> , 2019, 35, 97-106.	1.1	8
46	MIS approaches in the cervical spine. <i>Journal of Spine Surgery</i> , 2019, 5, S74-S74.	1.2	25
47	The benefit zone of full-endoscopic spine surgery. <i>Journal of Spine Surgery</i> , 2019, 5, S41-S56.	1.2	52
48	Ten-Step Minimally Invasive Cervical Decompression via Unilateral Tubular Laminotomy: Technical Note and Early Clinical Experience. <i>Operative Neurosurgery</i> , 2019, 18, 284-294.	0.8	18
49	Minimally Invasive Approaches for Surgical Treatment of Lumbar Spondylolisthesis. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 305-312.	1.7	12
50	Proteoglycan removal by chondroitinase ABC improves injectable collagen gel adhesion to annulus fibrosus. <i>Acta Biomaterialia</i> , 2019, 97, 428-436.	8.3	23
51	Transforaminal Lumbar Interbody Fusion (TLIF). , 2019, , 59-62.		1
52	A Dual Approach for the Management of Complex Craniovertebral Junction Abnormalities: Endoscopic Endonasal Odontoidectomy and Posterior Decompression with Fusion. <i>World Neurosurgery: X</i> , 2019, 2, 100010.	1.1	21
53	Bow Hunter Syndrome with Associated Pseudoaneurysm. <i>World Neurosurgery</i> , 2019, 122, 53-57.	1.3	8
54	Mesenchymal Stem Cell-Seeded High-Density Collagen Gel for Annular Repair: 6-Week Results From In Vivo Sheep Models. <i>Neurosurgery</i> , 2019, 85, E350-E359.	1.1	34

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55	Optimizing Patient Access During an Emergency While Using Intraoperative Computed Tomography. <i>World Neurosurgery</i> , 2019, 121, 274-278.e1.	1.3	5
56	History and Evolution of Minimally Invasive Spine Surgery. , 2019, , 3-17.		1
57	Thoracoscopic Fusion. , 2019, , 329-336.		0
58	Neural decompression in challenging cases: advantages and disadvantages. <i>Journal of Neurosurgical Sciences</i> , 2019, 63, 541-547.	0.6	2
59	Degenerative Lumbar Spine Disease: Estimating Global Incidence and Worldwide Volume. <i>Global Spine Journal</i> , 2018, 8, 784-794.	2.3	252
60	Neurosurgery in East Africa: Innovations. <i>World Neurosurgery</i> , 2018, 113, 436-452.	1.3	33
61	The Growth of Neurosurgery in East Africa: Challenges. <i>World Neurosurgery</i> , 2018, 113, 425-435.	1.3	28
62	Neurosurgery in East Africa: Foundations. <i>World Neurosurgery</i> , 2018, 113, 411-424.	1.3	20
63	Endoscopic endonasal odontoid resection with real-time intraoperative image-guided computed tomography: report of 4 cases. <i>Journal of Neurosurgery</i> , 2018, 128, 1486-1491.	1.6	20
64	Annulus Fibrosus Repair Using High-Density Collagen Gel. <i>Spine</i> , 2018, 43, E208-E215.	2.0	46
65	The Impact of Cage Dimensions, Positioning, and Side of Approach in Extreme Lateral Interbody Fusion. <i>Clinical Spine Surgery</i> , 2018, 31, E42-E49.	1.3	36
66	Biologic Annulus Fibrosus Repair: A Review of Preclinical <i>In Vivo</i> Investigations. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 179-190.	4.8	47
67	A New Volumetric Radiologic Method to Assess Indirect Decompression After Extreme Lateral Interbody Fusion Using High-Resolution Intraoperative Computed Tomography. <i>World Neurosurgery</i> , 2018, 109, 59-67.	1.3	13
68	One and a half minimally invasive transforaminal lumbar interbody fusion: single level transforaminal lumbar interbody fusion with adjacent segment unilateral laminotomy for bilateral decompression for spondylolisthesis with bisegmental stenosis. <i>Journal of Spine Surgery</i> , 2018, 4, 780-786.	1.2	8
69	Quality of Life After Combined Endonasal Endoscopic Odontoidectomy and Posterior Suboccipital Decompression and Fusion. <i>World Neurosurgery</i> , 2018, 116, e571-e576.	1.3	13
70	Superficial Siderosis of Central Nervous System as Primary Clinical Manifestation Secondary to Intradural Thoracic Disk Herniation. <i>World Neurosurgery</i> , 2018, 119, 40-44.	1.3	4
71	In vivo annular repair using high-density collagen gel seeded with annulus fibrosus cells. <i>Acta Biomaterialia</i> , 2018, 79, 230-238.	8.3	46
72	Local muscle flaps minimize post-operative wound morbidity in patients with neoplastic disease of the spine. <i>Clinical Neurology and Neurosurgery</i> , 2018, 171, 100-105.	1.4	14

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73	Rapid development of minimally invasive spinal surgery: exciting advancements and challenges. <i>Annals of Translational Medicine</i> , 2018, 6, 98-98.	1.7	2
74	Unilateral tubular approach for bilateral laminotomy: effect on ipsilateral and contralateral buttock and leg pain. <i>European Spine Journal</i> , 2017, 26, 389-396.	2.2	34
75	Total Navigation in Spine Surgery; A Concise Guide to Eliminate Fluoroscopy Using a Portable Intraoperative Computed Tomography 3-Dimensional Navigation System. <i>World Neurosurgery</i> , 2017, 100, 325-335.	1.3	75
76	Potential and Limitations of Neural Decompression in Extreme Lateral Interbody Fusion—A Systematic Review. <i>World Neurosurgery</i> , 2017, 101, 99-113.	1.3	76
77	Minimally Invasive Transforaminal Lumbar Interbody Fusion: Meta-analysis of the Fusion Rates. What is the Optimal Graft Material?. <i>Neurosurgery</i> , 2017, 81, 958-971.	1.1	51
78	Single-Level Lateral Lumbar Interbody Fusion for the Treatment of Adjacent Segment Disease. <i>Spine</i> , 2017, 42, E515-E522.	2.0	35
79	Lumbar Spinal Stenosis Associated With Degenerative Lumbar Spondylolisthesis: A Systematic Review and Meta-analysis of Secondary Fusion Rates Following Open vs Minimally Invasive Decompression. <i>Neurosurgery</i> , 2017, 80, 355-367.	1.1	86
80	Elimination of Subsidence with 26-mm-Wide Cages in Extreme Lateral Interbody Fusion. <i>World Neurosurgery</i> , 2017, 104, 644-652.	1.3	54
81	Severe Traumatic Brain Injury at a Tertiary Referral Center in Tanzania: Epidemiology and Adherence to Brain Trauma Foundation Guidelines. <i>World Neurosurgery</i> , 2017, 105, 238-248.	1.3	33
82	Are Locked Facets a Contraindication for Extreme Lateral Interbody Fusion?. <i>World Neurosurgery</i> , 2017, 100, 607-618.	1.3	25
83	Minimally Invasive Treatment for a Sacral Tarlov Cyst Through Tubular Retractors. <i>World Neurosurgery</i> , 2017, 108, 993.e9-993.e11.	1.3	4
84	Infant hydrocephalus in sub-Saharan Africa: the reality on the Tanzanian side of the lake. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 20, 423-431.	1.3	23
85	C2 Bone Erosion Secondary to Iatrogenic Pseudomeningocele: A Case Report and Description of a Novel Surgical Technique. <i>World Neurosurgery</i> , 2017, 106, 1056.e1-1056.e4.	1.3	0
86	Can Fan-Beam Interactive Computed Tomography Accurately Predict Indirect Decompression in Minimally Invasive Spine Surgery Fusion Procedures?. <i>World Neurosurgery</i> , 2017, 107, 322-333.	1.3	13
87	Degenerative changes of the canine cervical spine after discectomy procedures, an in vivo study. <i>BMC Veterinary Research</i> , 2017, 13, 193.	1.9	13
88	Initial investigation of individual and combined annulus fibrosus and nucleus pulposus repair ex vivo. <i>Acta Biomaterialia</i> , 2017, 59, 192-199.	8.3	27
89	Ten-Step Minimally Invasive Spine Lumbar Decompression and Dural Repair Through Tubular Retractors. <i>Operative Neurosurgery</i> , 2017, 13, 232-245.	0.8	49
90	Total disc replacement using tissue-engineered intervertebral discs in the canine cervical spine. <i>PLoS ONE</i> , 2017, 12, e0185716.	2.5	44

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91	Endoscopic Endo-Nasal Odontoid Resection with Real-Time Intraoperative Image Guided Computed Tomography (CT). Journal of Neurological Surgery, Part B: Skull Base, 2017, 78, S1-S156.	0.8	0
92	Total 3D Airo® Navigation for Minimally Invasive Transforaminal Lumbar Interbody Fusion. BioMed Research International, 2016, 2016, 1-8.	1.9	55
93	Anterior Cervical Discectomy and Fusion (ACDF): Comparison Between Zero Profile Implants and Anterior Cervical Plate and Spacer. Cureus, 2016, 8, e573.	0.5	13
94	Comparison of the safety outcomes between two surgical approaches for anterior lumbar fusion surgery: anterior lumbar interbody fusion (ALIF) and extreme lateral interbody fusion (ELIF). European Spine Journal, 2016, 25, 1484-1521.	2.2	48
95	Biological Treatment Approaches for Degenerative Disk Disease: A Literature Review of in Vivo Animal and Clinical Data. Global Spine Journal, 2016, 6, 497-518.	2.3	62
96	Biomechanical Evaluation of Lumbar Decompression Adjacent to Instrumented Segments. Neurosurgery, 2016, 79, 895-904.	1.1	19
97	Quantitative Gross and CT measurements of Cadaveric Cervical Vertebrae (C3 – C6) as Guidelines for the Lateral mass screw fixation. International Journal of Spine Surgery, 2016, 10, 43.	1.5	4
98	Minimally Invasive 2D Navigation-Assisted Treatment of Thoracolumbar Spinal Fractures in East Africa: A Case Report. Cureus, 2016, 8, e507.	0.5	5
99	Comparison of Navigated Versus Non-Navigated Pedicle Screw Placement in 260 Patients and 1434 Screws. Journal of Spinal Disorders and Techniques, 2015, 28, E298-E303.	1.9	90
100	Injectable, high-density collagen gels for annulus fibrosus repair: An <i>in vitro</i> rat tail model. Journal of Biomedical Materials Research - Part A, 2015, 103, 2571-2581.	4.0	55
101	The endoscopic endonasal approach to the odontoid and its impact on early extubation and feeding. Journal of Neurosurgery, 2015, 122, 511-518.	1.6	89
102	Hypertonic saline for the management of raised intracranial pressure after severe traumatic brain injury. Annals of the New York Academy of Sciences, 2015, 1345, 83-88.	3.8	7
103	Riboflavin crosslinked high-density collagen gel for the repair of annular defects in intervertebral discs: An <i>in vivo</i> study. Acta Biomaterialia, 2015, 26, 215-224.	8.3	55
104	Endoscopic lumbar foraminotomy. Journal of Clinical Neuroscience, 2015, 22, 730-734.	1.5	27
105	Expandable Polyaryl-Ether-Ether-Ketone Spacers for Interbody Distraction in the Lumbar Spine. Global Spine Journal, 2015, 5, 169-178.	2.3	36
106	The rhinopalatine line as a reliable predictor of the inferior extent of endonasal odontoidectomies. Neurosurgical Focus, 2015, 38, E16.	2.3	47
107	Hypertonic saline reduces cumulative and daily intracranial pressure burdens after severe traumatic brain injury. Journal of Neurosurgery, 2015, 122, 202-210.	1.6	95
108	Multi-Institutional Neurosurgical Training Initiative at a Tertiary Referral Center in Mwanza, Tanzania: Where We Are After 2 Years. World Neurosurgery, 2014, 82, e1-e8.	1.3	30

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109	Tissue-engineered intervertebral discs: MRI results and histology in the rodent spine. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 443-451.	1.7	22
110	Anterior cervical discectomy and fusion with a zero-profile integrated plate and spacer device: a clinical and radiological study. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 529-537.	1.7	63
111	Traumatic Brain Injury in a Rural and an Urban Tanzanian Hospital – A Comparative, Retrospective Analysis Based on Computed Tomography. <i>World Neurosurgery</i> , 2014, 81, 478-482.	1.3	26
112	Image Guidance for Minimally Invasive Deformity Surgery. , 2014, , 85-95.		1
113	Thoracoscopic Fusion. , 2014, , 211-217.		0
114	Recent advances in biological therapies for disc degeneration: tissue engineering of the annulus fibrosus, nucleus pulposus and whole intervertebral discs. <i>Current Opinion in Biotechnology</i> , 2013, 24, 872-879.	6.6	87
115	Worldwide Survey on the Use of Navigation in Spine Surgery. <i>World Neurosurgery</i> , 2013, 79, 162-172.	1.3	201
116	Navigated guide tube for the placement of mini-open pedicle screws using stereotactic 3D navigation without the use of K-wires. <i>Journal of Neurosurgery: Spine</i> , 2013, 18, 178-183.	1.7	20
117	Radiographic and clinical outcome after 1- and 2-level transsacral axial interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 454-463.	1.7	28
118	Marked reduction in mortality in patients with severe traumatic brain injury. <i>Journal of Neurosurgery</i> , 2013, 119, 1583-1590.	1.6	201
119	Best Practices in Prevention, Detection, and Treatment of Colorectal Perforations During Axial Lumbar Interbody Fusion. <i>Techniques in Orthopaedics</i> , 2012, 27, 209-217.	0.2	2
120	Minimally invasive lateral approach for symptomatic thoracic disc herniation: initial multicenter clinical experience. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 264-279.	1.7	124
121	Screw Placement Accuracy for Minimally Invasive Transforaminal Lumbar Interbody Fusion Surgery: A Study on 3-D Neuronavigation-Guided Surgery. <i>Global Spine Journal</i> , 2012, 2, 143-151.	2.3	20
122	Increased mortality in patients with severe traumatic brain injury treated without intracranial pressure monitoring. <i>Journal of Neurosurgery</i> , 2012, 117, 729-734.	1.6	186
123	Silicate-Substituted Calcium Phosphate Ceramic Bone Graft Replacement for Spinal Fusion Procedures. <i>Spine</i> , 2012, 37, E1264-E1272.	2.0	45
124	Image-based tissue engineering of a total intervertebral disc implant for restoration of function to the rat lumbar spine. <i>NMR in Biomedicine</i> , 2012, 25, 443-451.	2.8	39
125	Artrodese na coluna cervical utilizando SICAP como substituto de enxerto Ósseo. <i>Coluna/ Columna</i> , 2011, 10, 144-147.	0.2	0
126	Minimally Invasive Surgical Treatment Options for Lumbar Disc Herniations and Stenosis. <i>Seminars in Spine Surgery</i> , 2011, 23, 20-26.	0.2	6

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127	Revision strategies for AxiaLIF. <i>Neurosurgical Focus</i> , 2011, 31, E17.	2.3	12
128	Tissue-engineered intervertebral discs produce new matrix, maintain disc height, and restore biomechanical function to the rodent spine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13106-13111.	7.1	166
129	Response to intracranial hypertension treatment as a predictor of death in patients with severe traumatic brain injury. <i>Journal of Neurosurgery</i> , 2011, 114, 1471-1478.	1.6	96
130	Minimal Access Versus Open Transforaminal Lumbar Interbody Fusion. <i>Spine</i> , 2010, 35, 2273-2281.	2.0	167
131	Neurosurgery and Global Health: Going Far and Fast, Together. <i>World Neurosurgery</i> , 2010, 73, 259-260.	1.3	22
132	The vertebral artery and the cervical pedicle: morphometric analysis of a critical neighborhood. <i>Journal of Neurosurgery: Spine</i> , 2010, 13, 52-60.	1.7	63
133	Results and risk factors for recurrence following single-level tubular lumbar microdiscectomy. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 680-686.	1.7	59
134	Bioabsorbable instrumentation for single-level cervical degenerative disc disease: a radiological and clinical outcome study. <i>Journal of Neurosurgery: Spine</i> , 2009, 11, 529-537.	1.7	18
135	Endonasal Endoscopic Resection of an Os Odontoideum to Decompress the Cervicomedullary Junction. <i>Spine</i> , 2009, 34, E139-E143.	2.0	74
136	Tubular Microsurgery for Lumbar Discectomies and Laminectomies in Obese Patients. <i>Spine</i> , 2009, 34, E664-E672.	2.0	46
137	Continuous hypertonic saline therapy and the occurrence of complications in neurocritically ill patients*. <i>Critical Care Medicine</i> , 2009, 37, 1433-1441.	0.9	132
138	Operative results and learning curve: microscope-assisted tubular microsurgery for 1- and 2-level discectomies and laminectomies. <i>Neurosurgical Focus</i> , 2008, 25, E14.	2.3	92
139	Effect of early nutrition on deaths due to severe traumatic brain injury. <i>Journal of Neurosurgery</i> , 2008, 109, 50-56.	1.6	162
140	Endonasal endoscopic resection of the odontoid process in a nonachondroplastic dwarf with juvenile rheumatoid arthritis: feasibility of the approach and utility of the intraoperative Iso-C three-dimensional navigation. <i>Journal of Neurosurgery: Spine</i> , 2008, 8, 376-380.	1.7	83
141	Even in trauma, time is brain*. <i>Critical Care Medicine</i> , 2008, 36, 2951-2952.	0.9	2
142	Ultra-early hyperosmolar treatment in traumatic brain injury: Will surgery soon be old-school?*. <i>Critical Care Medicine</i> , 2008, 36, 642-643.	0.9	3
143	Electromagnetic Navigation in Minimally Invasive Spine Surgery: Results of a Cadaveric Study to Evaluate Percutaneous Pedicle Screw Insertion. <i>International Journal of Spine Surgery</i> , 2008, 2, 43-47.	1.5	3
144	Anterior approaches to fusion of the cervical spine: a metaanalysis of fusion rates. <i>Journal of Neurosurgery: Spine</i> , 2007, 6, 298-303.	1.7	397

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145	II. Hyperosmolar Therapy. Journal of Neurotrauma, 2007, 24, S-14-S-20.	3.4	186
146	VI. Indications for Intracranial Pressure Monitoring. Journal of Neurotrauma, 2007, 24, S-37-S-44.	3.4	336
147	VIII. Intracranial Pressure Thresholds. Journal of Neurotrauma, 2007, 24, S-55-S-58.	3.4	301
148	IX. Cerebral Perfusion Thresholds. Journal of Neurotrauma, 2007, 24, S-59-S-64.	3.4	292
149	Biomechanical comparison of two new atlantoaxial fixation techniques with C1â€“2 transarticular screwâ€“graft fixation. Journal of Neurosurgery: Spine, 2006, 5, 336-342.	1.7	39
150	Direct Transport Within An Organized State Trauma System Reduces Mortality in Patients With Severe Traumatic Brain Injury. Journal of Trauma, 2006, 60, 1250-1256.	2.3	210
151	Pial Arterial Response to Topical Verapamil in Acute Closed Cranial Windows in Rabbits. Anesthesia and Analgesia, 2005, 100, 1140-1146.	2.2	4
152	Traumatic Brain Injury and Use of Hypertonic Solutions. Transfusion Alternatives in Transfusion Medicine, 2005, 6, 59-68.	0.2	3
153	Critical care of neurotrauma. Current Neurology and Neuroscience Reports, 2004, 4, 481-488.	4.2	4
154	Brain tissue pO_2 -monitoring in comatose patients: Implications for therapy. Neurological Research, 1997, 19, 233-240.	1.3	235
155	Early White Blood Cell Dynamics after Traumatic Brain Injury: Effects on the Cerebral Microcirculation. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 1210-1220.	4.3	80
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