

Scott L Parker

List of Publications by Year in descending order

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94
papers

6,043
citations

57758

44
h-index

71685

76
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96
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docs citations

96
times ranked

4827
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the minimum clinically important difference in pain, disability, and quality of life after anterior cervical discectomy and fusion. <i>Journal of Neurosurgery: Spine</i> , 2013, 18, 154-160.	1.7	288
2	Utility of minimum clinically important difference in assessing pain, disability, and health state after transforaminal lumbar interbody fusion for degenerative lumbar spondylolisthesis. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 598-604.	1.7	277
3	Accuracy of Free-Hand Pedicle Screws in the Thoracic and Lumbar Spine: Analysis of 6816 Consecutive Screws. <i>Neurosurgery</i> , 2011, 68, 170-178.	1.1	240
4	Comparative Effectiveness of Minimally Invasive Versus Open Transforaminal Lumbar Interbody Fusion. <i>Journal of Spinal Disorders and Techniques</i> , 2011, 24, 479-484.	1.9	213
5	Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion for Degenerative Spondylolisthesis: Comparative Effectiveness and Cost-Utility Analysis. <i>World Neurosurgery</i> , 2014, 82, 230-238.	1.3	206
6	Minimum clinically important difference in pain, disability, and quality of life after neural decompression and fusion for same-level recurrent lumbar stenosis: understanding clinical versus statistical significance. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 471-478.	1.7	201
7	Comparative analysis of perioperative surgical site infection after minimally invasive versus open posterior/transforaminal lumbar interbody fusion: analysis of hospital billing and discharge data from 5170 patients. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 771-778.	1.7	163
8	Incidence of Low Back Pain After Lumbar Discectomy for Herniated Disc and Its Effect on Patient-reported Outcomes. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1988-1999.	1.5	163
9	Long-term seizure outcomes in adult patients undergoing primary resection of malignant brain astrocytomas. <i>Journal of Neurosurgery</i> , 2009, 111, 282-292.	1.6	160
10	Comparative effectiveness and cost-benefit analysis of local application of vancomycin powder in posterior spinal fusion for spine trauma. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 331-335.	1.7	158
11	An analysis from the Quality Outcomes Database, Part 1. Disability, quality of life, and pain outcomes following lumbar spine surgery: predicting likely individual patient outcomes for shared decision-making. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 357-369.	1.7	141
12	Cost-Effectiveness of Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion for Degenerative Spondylolisthesis Associated Low-Back and Leg Pain Over Two Years. <i>World Neurosurgery</i> , 2012, 78, 178-184.	1.3	139
13	Determination of minimum clinically important difference in pain, disability, and quality of life after extension of fusion for adjacent-segment disease. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 61-67.	1.7	135
14	Short-term Progressive Spinal Deformity Following Laminoplasty Versus Laminectomy for Resection of Intradural Spinal Tumors. <i>Neurosurgery</i> , 2010, 66, 1005-1012.	1.1	127
15	Determination of minimum clinically important difference (MCID) in pain, disability, and quality of life after revision fusion for symptomatic pseudoarthrosis. <i>Spine Journal</i> , 2012, 12, 1122-1128.	1.3	122
16	Determining the quality and effectiveness of surgical spine care: patient satisfaction is not a valid proxy. <i>Spine Journal</i> , 2013, 13, 1006-1012.	1.3	122
17	The National Neurosurgery Quality and Outcomes Database (N2QOD). <i>Spine</i> , 2014, 39, S106-S116.	2.0	116
18	Recurrent back and leg pain and cyst reformation after surgical resection of spinal synovial cysts: systematic review of reported postoperative outcomes. <i>Spine Journal</i> , 2010, 10, 820-826.	1.3	112

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19	Quality analysis of anterior cervical discectomy and fusion in the outpatient versus inpatient setting: analysis of 7288 patients from the NSQIP database. <i>Neurosurgical Focus</i> , 2015, 39, E9.	2.3	109
20	The relative value of postoperative versus preoperative Karnofsky Performance Scale scores as a predictor of survival after surgical resection of glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2015, 121, 359-364.	2.9	102
21	Preoperative Zung depression scale predicts patient satisfaction independent of the extent of improvement after revision lumbar surgery. <i>Spine Journal</i> , 2013, 13, 501-506.	1.3	93
22	Preoperative Zung Depression Scale predicts outcome after revision lumbar surgery for adjacent segment disease, recurrent stenosis, and pseudarthrosis. <i>Spine Journal</i> , 2012, 12, 179-185.	1.3	90
23	Two-year comprehensive medical management of degenerative lumbar spine disease (lumbar) TJ ETQq1 1 0.784314 rgBT /Overlock 10 T life. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 143-149.	1.7	89
24	Ability of electromyographic monitoring to determine the presence of malpositioned pedicle screws in the lumbosacral spine: analysis of 2450 consecutively placed screws. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 130-135.	1.7	87
25	Comparison of shunt infection incidence in high-risk subgroups receiving antibiotic-impregnated versus standard shunts. <i>Child's Nervous System</i> , 2009, 25, 77-83.	1.1	86
26	Factors Associated With Recurrent Back Pain and Cyst Recurrence After Surgical Resection of One Hundred Ninety-Five Spinal Synovial Cysts. <i>Spine</i> , 2010, 35, 1044-1053.	2.0	84
27	Long-term back pain after a single-level discectomy for radiculopathy: incidence and health care cost analysis. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 178-182.	1.7	81
28	Cost-effectiveness of transforaminal lumbar interbody fusion for Grade I degenerative spondylolisthesis. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 138-143.	1.7	81
29	Role of Prospective Registries in Defining the Value and Effectiveness of Spine Care. <i>Spine</i> , 2014, 39, S117-S128.	2.0	80
30	Trans-foraminal versus posterior lumbar interbody fusion: comparison of surgical morbidity. <i>Neurological Research</i> , 2011, 33, 38-42.	1.3	77
31	Effect of an Annular Closure Device (Barricaid) on Same-Level Recurrent Disk Herniation and Disk Height Loss After Primary Lumbar Discectomy. <i>Clinical Spine Surgery</i> , 2016, 29, 454-460.	1.3	76
32	Predictors of extended length of stay, discharge to inpatient rehab, and hospital readmission following elective lumbar spine surgery: introduction of the Carolina-Semmes Grading Scale. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 382-390.	1.7	76
33	Cost per quality-adjusted life year gained of revision neural decompression and instrumented fusion for same-level recurrent lumbar stenosis: defining the value of surgical intervention. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 135-140.	1.7	66
34	Patient-Specific Factors Associated With Dissatisfaction After Elective Surgery for Degenerative Spine Diseases. <i>Neurosurgery</i> , 2015, 77, 157-163.	1.1	66
35	An analysis from the Quality Outcomes Database, Part 2. Predictive model for return to work after elective surgery for lumbar degenerative disease. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 370-381.	1.7	64
36	Cost-effectiveness of multilevel hemilaminectomy for lumbar stenosis-associated radiculopathy. <i>Spine Journal</i> , 2011, 11, 705-711.	1.3	58

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37	Incidence and Clinical Significance of Vascular Encroachment Resulting From Freehand Placement of Pedicle Screws in the Thoracic and Lumbar Spine. <i>Spine</i> , 2014, 39, 683-687.	2.0	58
38	Factors influencing 2-year health care costs in patients undergoing revision lumbar fusion procedures. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 323-328.	1.7	57
39	A Cost-Utility Analysis of Lumbar Decompression With and Without Fusion for Degenerative Spine Disease in the Elderly. <i>Neurosurgery</i> , 2015, 77, S116-S124.	1.1	53
40	Cerebrospinal shunt infection in patients receiving antibiotic-impregnated versus standard shunts. <i>Journal of Neurosurgery: Pediatrics</i> , 2011, 8, 259-265.	1.3	49
41	Effect of Minimally Invasive Technique on Return to Work and Narcotic Use Following Transforaminal Lumbar Inter-body Fusion. <i>Professional Case Management</i> , 2012, 17, 229-235.	0.4	47
42	Cost-utility Analysis of Minimally Invasive Versus Open Multilevel Hemilaminectomy for Lumbar Stenosis. <i>Journal of Spinal Disorders and Techniques</i> , 2013, 26, 42-47.	1.9	46
43	TRANSLAMINAR VERSUS PEDICLE SCREW FIXATION OF C2. <i>Operative Neurosurgery</i> , 2009, 64, ons343-ons349.	0.8	44
44	Cost per quality-adjusted life year gained of laminectomy and extension of instrumented fusion for adjacent-segment disease: defining the value of surgical intervention. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 141-146.	1.7	44
45	Accurately measuring the quality and effectiveness of cervical spine surgery in registry efforts: determining the most valid and responsive instruments. <i>Spine Journal</i> , 2015, 15, 1203-1209.	1.3	44
46	Microdiscectomy Improves Pain-Associated Depression, Somatic Anxiety, and Mental Well-Being in Patients With Herniated Lumbar Disc. <i>Neurosurgery</i> , 2012, 70, 306-311.	1.1	41
47	Long-term outcomes of revision fusion for lumbar pseudarthrosis. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 393-398.	1.7	40
48	Extent of Preoperative Depression Is Associated with Return to Work After Lumbar Fusion for Spondylolisthesis. <i>World Neurosurgery</i> , 2015, 83, 608-613.	1.3	39
49	Patient-reported outcomes 3 months after spine surgery: is it an accurate predictor of 12-month outcome in real-world registry platforms?. <i>Neurosurgical Focus</i> , 2015, 39, E17.	2.3	38
50	Effect of complications within 90 days on patient-reported outcomes 3 months and 12 months following elective surgery for lumbar degenerative disease. <i>Neurosurgical Focus</i> , 2015, 39, E8.	2.3	37
51	Is the use of minimally invasive fusion technologies associated with improved outcomes after elective interbody lumbar fusion? Analysis of a nationwide prospective patient-reported outcomes registry. <i>Spine Journal</i> , 2017, 17, 922-932.	1.3	36
52	Cost-effectiveness of three treatment strategies for lumbar spinal stenosis: Conservative care, laminectomy, and the Superion interspinous spacer. <i>International Journal of Spine Surgery</i> , 2015, 9, 28.	1.5	36
53	Accurately measuring the quality and effectiveness of lumbar surgery in registry efforts: determining the most valid and responsive instruments. <i>Spine Journal</i> , 2014, 14, 2885-2891.	1.3	35
54	Do Patient Demographics and Patient-Reported Outcomes Predict 12-Month Loss to Follow-Up After Spine Surgery?. <i>Spine</i> , 2015, 40, 1934-1940.	2.0	34

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55	Comparative effectiveness of antibiotic-impregnated shunt catheters in the treatment of adult and pediatric hydrocephalus: analysis of 12,589 consecutive cases from 287 US hospital systems. <i>Journal of Neurosurgery</i> , 2015, 122, 443-448.	1.6	34
56	The National Neurosurgery Quality and Outcomes Database Qualified Clinical Data Registry: 2015 measure specifications and rationale. <i>Neurosurgical Focus</i> , 2015, 39, E4.	2.3	33
57	Cost Per Quality-adjusted Life Year Gained of Revision Fusion for Lumbar Pseudoarthrosis. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 101-105.	1.9	32
58	The present and future of quality measures and public reporting in neurosurgery. <i>Neurosurgical Focus</i> , 2015, 39, E3.	2.3	29
59	Accurately Measuring Outcomes After Surgery for Adult Chiari I Malformation. <i>Neurosurgery</i> , 2013, 72, 820-827.	1.1	28
60	Cost Savings Associated with Antibiotic-Impregnated Shunt Catheters in the Treatment of Adult and Pediatric Hydrocephalus. <i>World Neurosurgery</i> , 2015, 83, 382-386.	1.3	28
61	Effect of obesity on cost per quality-adjusted life years gained following anterior cervical discectomy and fusion in elective degenerative pathology. <i>Spine Journal</i> , 2016, 16, 1342-1350.	1.3	28
62	Microvascular Decompression for Classic Trigeminal Neuralgia. <i>Neurosurgery</i> , 2013, 72, 749-754.	1.1	27
63	Surgical Resection of Intradural Extramedullary Spinal Tumors. <i>Spine</i> , 2016, 41, 1925-1932.	2.0	27
64	Predictors of the efficacy of epidural steroid injections for structural lumbar degenerative pathology. <i>Spine Journal</i> , 2016, 16, 928-934.	1.3	27
65	Bending the Cost Curve—Establishing Value in Spine Surgery. <i>Neurosurgery</i> , 2017, 80, S61-S69.	1.1	26
66	Using Clinical Registries to Improve the Quality of Neurosurgical Care. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 253-263.	1.7	24
67	Determination of the Minimum Improvement in Pain, Disability, and Health State Associated With Cost-Effectiveness. <i>Neurosurgery</i> , 2012, 71, 1149-1155.	1.1	23
68	Comprehensive Assessment of 1-Year Outcomes and Determination of Minimum Clinically Important Difference in Pain, Disability, and Quality of Life After Suboccipital Decompression for Chiari Malformation I in Adults. <i>Neurosurgery</i> , 2013, 73, 569-581.	1.1	23
69	Drivers of Variability in 90-Day Cost for Elective Anterior Cervical Discectomy and Fusion for Cervical Degenerative Disease. <i>Neurosurgery</i> , 2018, 83, 898-904.	1.1	23
70	Effect of Antibiotic-Impregnated Shunts on Infection Rate in Adult Hydrocephalus: A Single Institution's Experience. <i>Neurosurgery</i> , 2011, 69, 625-629.	1.1	22
71	Cost Savings Associated with Prevention of Recurrent Lumbar Disc Herniation with a Novel Annular Closure Device: A Multicenter Prospective Cohort Study. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 285-289.	0.8	22
72	Cost Analysis of Antibiotic-Impregnated Catheters in the Treatment of Hydrocephalus in Adult Patients. <i>World Neurosurgery</i> , 2010, 74, 528-531.	1.3	21

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73	Effect of symptomatic pseudomeningocele on improvement in pain, disability, and quality of life following suboccipital decompression for adult Chiari malformation Type I. <i>Journal of Neurosurgery</i> , 2013, 119, 1159-1165.	1.6	20
74	Quality of Life and General Health After Elective Surgery for Cervical Spine Pathologies. <i>Neurosurgery</i> , 2015, 77, 553-560.	1.1	20
75	Quality Improvement in Neurological Surgery Graduate Medical Education. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 231-238.	1.7	17
76	Minimally Invasive Transpsaos L2 Corpectomy and Percutaneous Pedicle Screw Fixation for Osteoporotic Burst Fracture in the Elderly. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 53-60.	1.9	17
77	Impact of old age on patient-report outcomes and cost utility for anterior cervical discectomy and fusion surgery for degenerative spine disease. <i>European Spine Journal</i> , 2017, 26, 1236-1245.	2.2	17
78	Healthcare Resource Utilization and Patient-Reported Outcomes Following Elective Surgery for Intradural Extramedullary Spinal Tumors. <i>Neurosurgery</i> , 2017, 81, 613-619.	1.1	16
79	Development and validation of a predictive model for 90-day readmission following elective spine surgery. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 327-331.	1.7	14
80	Drivers of Variability in 90-Day Cost for Elective Laminectomy and Fusion for Lumbar Degenerative Disease. <i>Neurosurgery</i> , 2019, 84, 1043-1049.	1.1	14
81	Ultrasonic BoneScalpel for Osteoplastic Laminoplasty in the Resection of Intradural Spinal Pathology. <i>Operative Neurosurgery</i> , 2013, 73, ons61-ons66.	0.8	13
82	Percutaneous Stereotactic Radiofrequency Lesioning for Trigeminal Neuralgia. <i>Neurosurgery</i> , 2014, 74, 262-266.	1.1	13
83	Determination of the Minimum Improvement in Pain, Disability, and Health State Associated With Cost-Effectiveness. <i>Neurosurgery</i> , 2015, 76, S64-S70.	1.1	13
84	A 3D-Printed Simulator and Teaching Module for Placing S2-Alar-Iliac Screws. <i>Operative Neurosurgery</i> , 2020, 18, 339-346.	0.8	13
85	Drivers of Variability in 90-day Cost for Primary Single-level Microdiscectomy. <i>Neurosurgery</i> , 2018, 83, 1153-1160.	1.1	12
86	Effect of Complications within 90 Days on Cost Per Quality-Adjusted Life Year Gained Following Elective Surgery for Degenerative Lumbar Spine Disease. <i>Neurosurgery</i> , 2017, 64, 157-164.	1.1	9
87	Five-level cervical corpectomy for neurofibromatosis-associated spinal deformity: case report. <i>European Spine Journal</i> , 2015, 24, 544-550.	2.2	6
88	Initial Experience with Using a Structured Light 3D Scanner and Image Registration to Plan Bedside Subdural Evacuating Port System Placement. <i>World Neurosurgery</i> , 2020, 137, 350-356.	1.3	6
89	Comparison of Hospital Cost and Resource Use Associated With Antibiotic-Impregnated Versus Standard Shunt Catheters. <i>Neurosurgery</i> , 2011, 58, 122-125.	1.1	3
90	Matched-pair cohort study of 1-year patient-reported outcomes following pelvic fixation. <i>Spine Journal</i> , 2016, 16, 742-747.	1.3	3

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91	Timing of Operative Intervention in Traumatic Spine Injuries Without Neurological Deficit. Neurosurgery, 2018, 83, 1015-1022.	1.1	3
92	Commentary on: "Sterile Seroma Resulting from Multilevel XLIF Procedure as Possible Adverse Effect of Prophylactic Vancomycin Powder: A Case Report". Evidence-based Spine-care Journal, 2014, 05, 134-135.	0.9	1
93	Transforaminal Lumbar Interbody Graft Placement Using an Articulating Delivery Arm Facilitates Increased Segmental Lordosis With Superior Anterior and Midline Graft Placement. Journal of Spinal Disorders and Techniques, 2015, 28, 140-146.	1.9	1
94	Clinical and Cost-Effectiveness of Lumbar Interbody Fusion Using Tritanium Posterolateral Cage (vs.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.7	1