Scott L Parker

List of Publications by Year
in descending order

94 papers	6,043 citations	57758 44 h-index	71685 76 g-index
96 all docs	96 docs citations	96 times ranked	4827 citing authors

#	Article	IF	Citations
1	Clinical and Cost-Effectiveness of Lumbar Interbody Fusion Using Tritanium Posterolateral Cage (vs.) Tj ETQq1 1 0.784314 rgBT /Over	0.7	1
2	A 3D-Printed Simulator and Teaching Module for Placing S2-Alar-Iliac Screws. Operative Neurosurgery, 2020, 18, 339-346.	0.8	13
3	Initial Experience with Using a Structured Light 3D Scanner and Image Registration to Plan Bedside Subdural Evacuating Port System Placement. World Neurosurgery, 2020, 137, 350-356.	1.3	6
4	Drivers of Variability in 90-Day Cost for Elective Laminectomy and Fusion for Lumbar Degenerative Disease. Neurosurgery, 2019, 84, 1043-1049.	1.1	14
5	Timing of Operative Intervention in Traumatic Spine Injuries Without Neurological Deficit. Neurosurgery, 2018, 83, 1015-1022.	1.1	3
6	Drivers of Variability in 90-Day Cost for Elective Anterior Cervical Discectomy and Fusion for Cervical Degenerative Disease. Neurosurgery, 2018, 83, 898-904.	1.1	23
7	Drivers of Variability in 90-day Cost for Primary Single-level Microdiscectomy. Neurosurgery, 2018, 83, 1153-1160.	1.1	12
8	Development and validation of a predictive model for 90-day readmission following elective spine surgery. Journal of Neurosurgery: Spine, 2018, 29, 327-331.	1.7	14
9	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. Spine Journal, 2017, 17, 922-932.	1.3	36
10	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. Journal of Neurosurgery: Spine, 2017, 27, 357-369.	1.7	141
11	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. Journal of Neurosurgery: Spine, 2017, 27, 382-390.	1.7	76
12	Healthcare Resource Utilization and Patient-Reported Outcomes Following Elective Surgery for Intradural Extramedullary Spinal Tumors. Neurosurgery, 2017, 81, 613-619.	1.1	16
13	An analysis from the Quality Outcomes Database, Part 2. Predictive model for return to work after elective surgery for lumbar degenerative disease. Journal of Neurosurgery: Spine, 2017, 27, 370-381.	1.7	64
14	Bending the Cost Curveâ€"Establishing Value in Spine Surgery. Neurosurgery, 2017, 80, S61-S69.	1.1	26
15	Impact of old age on patient-report outcomes and cost utility for anterior cervical discectomy and fusion surgery for degenerative spine disease. European Spine Journal, 2017, 26, 1236-1245.	2.2	17
16	Effect of Complications within 90 Days on Cost Per Quality-Adjusted Life Year Gained Following Elective Surgery for Degenerative Lumbar Spine Disease. Neurosurgery, 2017, 64, 157-164.	1.1	9
17	Surgical Resection of Intradural Extramedullary Spinal Tumors. Spine, 2016, 41, 1925-1932.	2.0	27
18	Effect of an Annular Closure Device (Barricaid) on Same-Level Recurrent Disk Herniation and Disk Height Loss After Primary Lumbar Discectomy. Clinical Spine Surgery, 2016, 29, 454-460.	1.3	76

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19	Effect of obesity on cost per quality-adjusted life years gained following anterior cervical discectomy and fusion in elective degenerative pathology. Spine Journal, 2016, 16, 1342-1350.	1.3	28
20	Matched-pair cohort study of 1-year patient-reported outcomes following pelvic fixation. Spine Journal, 2016, 16, 742-747.	1.3	3
21	Predictors of the efficacy of epidural steroid injections for structural lumbar degenerative pathology. Spine Journal, 2016, 16, 928-934.	1.3	27
22	Effect of complications within 90 days on patient-reported outcomes 3 months and 12 months following elective surgery for lumbar degenerative disease. Neurosurgical Focus, 2015, 39, E8.	2.3	37
23	The present and future of quality measures and public reporting in neurosurgery. Neurosurgical Focus, 2015, 39, E3.	2.3	29
24	Quality analysis of anterior cervical discectomy and fusion in the outpatient versus inpatient setting: analysis of 7288 patients from the NSQIP database. Neurosurgical Focus, 2015, 39, E9.	2.3	109
25	The National Neurosurgery Quality and Outcomes Database Qualified Clinical Data Registry: 2015 measure specifications and rationale. Neurosurgical Focus, 2015, 39, E4.	2.3	33
26	Do Patient Demographics and Patient-Reported Outcomes Predict 12-Month Loss to Follow-Up After Spine Surgery?. Spine, 2015, 40, 1934-1940.	2.0	34
27	Patient-reported outcomes 3 months after spine surgery: is it an accurate predictor of 12-month outcome in real-world registry platforms?. Neurosurgical Focus, 2015, 39, E17.	2.3	38
28	Patient-Specific Factors Associated With Dissatisfaction After Elective Surgery for Degenerative Spine Diseases. Neurosurgery, 2015, 77, 157-163.	1.1	66
29	Quality of Life and General Health After Elective Surgery for Cervical Spine Pathologies. Neurosurgery, 2015, 77, 553-560.	1.1	20
30	A Cost-Utility Analysis of Lumbar Decompression With and Without Fusion for Degenerative Spine Disease in the Elderly. Neurosurgery, 2015, 77, S116-S124.	1.1	53
31	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
32	Extent of Preoperative Depression Is Associated with Return to Work After Lumbar Fusion for Spondylolisthesis. World Neurosurgery, 2015, 83, 608-613.	1.3	39
33	The relative value of postoperative versus preoperative Karnofsky Performance Scale scores as a predictor of survival after surgical resection of glioblastoma multiforme. Journal of Neuro-Oncology, 2015, 121, 359-364.	2.9	102
34	Incidence of Low Back Pain After Lumbar Discectomy for Herniated Disc and Its Effect on Patient-reported Outcomes. Clinical Orthopaedics and Related Research, 2015, 473, 1988-1999.	1.5	163
35	Cost Savings Associated with Antibiotic-Impregnated Shunt Catheters in the Treatment of Adult and Pediatric Hydrocephalus. World Neurosurgery, 2015, 83, 382-386.	1.3	28
36	Using Clinical Registries to Improve the Quality of Neurosurgical Care. Neurosurgery Clinics of North America, 2015, 26, 253-263.	1.7	24

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37	Quality Improvement in Neurological Surgery Graduate Medical Education. Neurosurgery Clinics of North America, 2015, 26, 231-238.	1.7	17
38	Five-level cervical corpectomy for neurofibromatosis-associated spinal deformity: case report. European Spine Journal, 2015, 24, 544-550.	2.2	6
39	Determination of the Minimum Improvement in Pain, Disability, and Health State Associated With Cost-Effectiveness. Neurosurgery, 2015, 76, S64-S70.	1.1	13
40	Cost Per Quality-adjusted Life Year Gained of Revision Fusion for Lumbar Pseudoarthrosis. Journal of Spinal Disorders and Techniques, 2015, 28, 101-105.	1.9	32
41	Minimally Invasive Transpsoas L2 Corpectomy and Percutaneous Pedicle Screw Fixation for Osteoporotic Burst Fracture in the Elderly. Journal of Spinal Disorders and Techniques, 2015, 28, 53-60.	1.9	17
42	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. Journal of Neurosurgery, 2015, 122, 443-448.	1.6	34
43	Accurately measuring the quality and effectiveness of cervical spine surgery in registry efforts: determining the most valid and responsive instruments. Spine Journal, 2015, 15, 1203-1209.	1.3	44
44	Cost-effectiveness of three treatment strategies for lumbar spinal stenosis: Conservative care, laminectomy, and the Superion interspinous spacer. International Journal of Spine Surgery, 2015, 9, 28.	1.5	36
45	Two-year comprehensive medical management of degenerative lumbar spine disease (lumbar) Tj ETQq1 1 0.784314 rgBT /Overlock 1 life. Journal of Neurosurgery: Spine, 2014, 21, 143-149.	1.7	89
46	Incidence and Clinical Significance of Vascular Encroachment Resulting From Freehand Placement of Pedicle Screws in the Thoracic and Lumbar Spine. Spine, 2014, 39, 683-687.	2.0	58
47	Commentary on: â€œSterile Seroma Resulting from Multilevel XLIF Procedure as Possible Adverse Effect of Prophylactic Vancomycin Powder: A Case Reportâ€: Evidence-based Spine-care Journal, 2014, 05, 134-135.	0.9	1
48	Role of Prospective Registries in Defining the Value and Effectiveness of Spine Care. Spine, 2014, 39, S117-S128.	2.0	80
49	The National Neurosurgery Quality and Outcomes Database (N2QOD). Spine, 2014, 39, S106-S116.	2.0	116
50	Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion for Degenerative Spondylolisthesis: Comparative Effectiveness and Cost-Utility Analysis. World Neurosurgery, 2014, 82, 230-238.	1.3	206
51	Accurately measuring the quality and effectiveness of lumbar surgery in registry efforts: determining the most valid and responsive instruments. Spine Journal, 2014, 14, 2885-2891.	1.3	35
52	Percutaneous Stereotactic Radiofrequency Lesioning for Trigeminal Neuralgia. Neurosurgery, 2014, 74, 262-266.	1.1	13
53	Determining the quality and effectiveness of surgical spine care: patient satisfaction is not a valid proxy. Spine Journal, 2013, 13, 1006-1012.	1.3	122
54	Preoperative Zung depression scale predicts patient satisfaction independent of the extent of improvement after revision lumbar surgery. Spine Journal, 2013, 13, 501-506.	1.3	93

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55	Assessment of the minimum clinically important difference in pain, disability, and quality of life after anterior cervical discectomy and fusion. Journal of Neurosurgery: Spine, 2013, 18, 154-160.	1.7	288
56	Effect of symptomatic pseudomeningocele on improvement in pain, disability, and quality of life following suboccipital decompression for adult Chiari malformation Type I. Journal of Neurosurgery, 2013, 119, 1159-1165.	1.6	20
57	Comparative effectiveness and cost-benefit analysis of local application of vancomycin powder in posterior spinal fusion for spine trauma. Journal of Neurosurgery: Spine, 2013, 19, 331-335.	1.7	158
58	Cost-utility Analysis of Minimally Invasive Versus Open Multilevel Hemilaminectomy for Lumbar Stenosis. Journal of Spinal Disorders and Techniques, 2013, 26, 42-47.	1.9	46
59	Cost Savings Associated with Prevention of Recurrent Lumbar Disc Herniation with a Novel Annular Closure Device: A Multicenter Prospective Cohort Study. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2013, 74, 285-289.	0.8	22
60	Ultrasonic BoneScalpel for Osteoplastic Laminoplasty in the Resection of Intradural Spinal Pathology. Operative Neurosurgery, 2013, 73, ons61-ons66.	0.8	13
61	Microvascular Decompression for Classic Trigeminal Neuralgia. Neurosurgery, 2013, 72, 749-754.	1.1	27
62	Accurately Measuring Outcomes After Surgery for Adult Chiari I Malformation. Neurosurgery, 2013, 72, 820-827.	1.1	28
63	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. Neurosurgery, 2013, 73, 569-581.	1.1	23
64	Effect of Minimally Invasive Technique on Return to Work and Narcotic Use Following Transforaminal Lumbar Inter-body Fusion. Professional Case Management, 2012, 17, 229-235.	0.4	47
65	Factors influencing 2-year health care costs in patients undergoing revision lumbar fusion procedures. Journal of Neurosurgery: Spine, 2012, 16, 323-328.	1.7	57
66	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. Journal of Neurosurgery: Spine, 2012, 16, 135-140.	1.7	66
67	Cost per quality-adjusted life year gained of laminectomy and extension of instrumented fusion for adjacent-segment disease: defining the value of surgical intervention. Journal of Neurosurgery: Spine, 2012, 16, 141-146.	1.7	44
68	Determination of minimum clinically important difference in pain, disability, and quality of life after extension of fusion for adjacent-segment disease. Journal of Neurosurgery: Spine, 2012, 16, 61-67.	1.7	135
69	Determination of the Minimum Improvement in Pain, Disability, and Health State Associated With Cost-Effectiveness. Neurosurgery, 2012, 71, 1149-1155.	1.1	23
70	Cost-Effectiveness of Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion for Degenerative Spondylolisthesis Associated Low-Back and Leg Pain Over Two Years. World Neurosurgery, 2012, 78, 178-184.	1.3	139
71	Determination of minimum clinically important difference (MCID) in pain, disability, and quality of life after revision fusion for symptomatic pseudoarthrosis. Spine Journal, 2012, 12, 1122-1128.	1.3	122
72	Preoperative Zung Depression Scale predicts outcome after revision lumbar surgery for adjacent segment disease, recurrent stenosis, and pseudarthrosis. Spine Journal, 2012, 12, 179-185.	1.3	90

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73	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. Journal of Neurosurgery: Spine, 2012, 16, 471-478.	1.7	201
74	Microdiscectomy Improves Pain-Associated Depression, Somatic Anxiety, and Mental Well-Being in Patients With Herniated Lumbar Disc. Neurosurgery, 2012, 70, 306-311.	1.1	41
75	Cost-effectiveness of multilevel hemilaminectomy for lumbar stenosisâ€“associated radiculopathy. Spine Journal, 2011, 11, 705-711.	1.3	58
76	Comparison of Hospital Cost and Resource Use Associated With Antibiotic-Impregnated Versus Standard Shunt Catheters. Neurosurgery, 2011, 58, 122-125.	1.1	3
77	Accuracy of Free-Hand Pedicle Screws in the Thoracic and Lumbar Spine: Analysis of 6816 Consecutive Screws. Neurosurgery, 2011, 68, 170-178.	1.1	240
78	Effect of Antibiotic-Impregnated Shunts on Infection Rate in Adult Hydrocephalus: A Single Institution's Experience. Neurosurgery, 2011, 69, 625-629.	1.1	22
79	Comparative Effectiveness of Minimally Invasive Versus Open Transforaminal Lumbar Interbody Fusion. Journal of Spinal Disorders and Techniques, 2011, 24, 479-484.	1.9	213
80	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. Journal of Neurosurgery: Spine, 2011, 14, 771-778.	1.7	163
81	Long-term outcomes of revision fusion for lumbar pseudarthrosis. Journal of Neurosurgery: Spine, 2011, 15, 393-398.	1.7	40
82	Ability of electromyographic monitoring to determine the presence of malpositioned pedicle screws in the lumbosacral spine: analysis of 2450 consecutively placed screws. Journal of Neurosurgery: Spine, 2011, 15, 130-135.	1.7	87
83	Cost-effectiveness of transforaminal lumbar interbody fusion for Grade I degenerative spondylolisthesis. Journal of Neurosurgery: Spine, 2011, 15, 138-143.	1.7	81
84	Utility of minimum clinically important difference in assessing pain, disability, and health state after transforaminal lumbar interbody fusion for degenerative lumbar spondylolisthesis. Journal of Neurosurgery: Spine, 2011, 14, 598-604.	1.7	277
85	Cerebrospinal shunt infection in patients receiving antibiotic-impregnated versus standard shunts. Journal of Neurosurgery: Pediatrics, 2011, 8, 259-265.	1.3	49
86	Trans-foraminal versus posterior lumbar interbody fusion: comparison of surgical morbidity. Neurological Research, 2011, 33, 38-42.	1.3	77
87	Short-term Progressive Spinal Deformity Following Laminoplasty Versus Laminectomy for Resection of Intradural Spinal Tumors. Neurosurgery, 2010, 66, 1005-1012.	1.1	127
88	Factors Associated With Recurrent Back Pain and Cyst Recurrence After Surgical Resection of One Hundred Ninety-Five Spinal Synovial Cysts. Spine, 2010, 35, 1044-1053.	2.0	84
89	Cost Analysis of Antibiotic-Impregnated Catheters in the Treatment of Hydrocephalus in Adult Patients. World Neurosurgery, 2010, 74, 528-531.	1.3	21
90	Long-term back pain after a single-level discectomy for radiculopathy: incidence and health care cost analysis. Journal of Neurosurgery: Spine, 2010, 12, 178-182.	1.7	81

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91	Recurrent back and leg pain and cyst reformation after surgical resectionÂof spinal synovial cysts: systematic review of reported postoperative outcomes. Spine Journal, 2010, 10, 820-826.	1.3	112
92	Long-term seizure outcomes in adult patients undergoing primary resection of malignant brain astrocytomas. Journal of Neurosurgery, 2009, 111, 282-292.	1.6	160
93	Comparison of shunt infection incidence in high-risk subgroups receiving antibiotic-impregnated versus standard shunts. Child's Nervous System, 2009, 25, 77-83.	1.1	86
94	TRANSLAMINAR VERSUS PEDICLE SCREW FIXATION OF C2. Operative Neurosurgery, 2009, 64, ons343-ons349.	0.8	44