David W Polly

List of Publications by Year in Descending Order

254 papers	11,224 citations	59 h-index	99 g-index
279 ext. papers	12,665 ext. citations	2.6 avg, IF	6.05 L-index

#	Paper	IF	Citations
254	Best Practice Guidelines for Assessment and Management of Osteoporosis in Adult Patients Undergoing Elective Spinal Reconstruction. *Spine*, **2022**, 47, 128-135	3.3	3
253	Anatomy and Physiology/Biology of Bone **2022**, 1-16		
252	Establishing consensus: determinants of high-risk and preventative strategies for neurological events in complex spinal deformity surgery.. *Spine Deformity*, **2022**, 1	2	1
251	Development of consensus-based best practice guidelines for response to intraoperative neuromonitoring events in high-risk spinal deformity surgery.. *Spine Deformity*, **2022**, 1	2	1
250	Surgical outcomes of severe spinal deformities exceeding 100° or treated by vertebral column resection (VCR). Does implant density matter?: an observational study of deformity groupings.. *Spine Deformity*, **2022**, 1	2	
249	Novel 2D long film imaging utility to avoid wrong level spinal surgery.. *Radiology Case Reports*, **2022** , 17, 2400-2403	1	0
248	Is the Implant in Bone? The Accuracy of CT and Fluoroscopic Imaging for Detecting Malpositioned Pelvic Screw and SI Fusion Implants. *Iowa orthopaedic journal, The*, **2021**, 41, 89-94	1.1	0
247	Biomechanical Stability of the Sacroiliac Joint with Differing Implant Configurations in a Synthetic Model. *International Journal of Spine Surgery*, **2021**, 15, 853-861	1.4	
246	Toward the Development of a Comprehensive Clinically Oriented Patient Profile: A Systematic Review of the Purpose, Characteristic, and Methodological Quality of Classification Systems of Adult Spinal Deformity. *Neurosurgery*, **2021**, 88, 1065-1073	3.2	1
245	Cost-Utility Analysis of Anterior Vertebral Body Tethering versus Spinal Fusion in Idiopathic Scoliosis from a US Integrated Healthcare Delivery System Perspective. *ClinicoEconomics and Outcomes Research*, **2021**, 13, 175-190	1.7	1
244	The Scoliosis Research Society adult spinal deformity standard outcome set. *Spine Deformity*, **2021**, 9, 1211-1221	2	0
243	Incidental extraspinal imaging findings on adult EOS full body radiographs: prevalence and clinical importance. *BMC Medical Imaging*, **2021**, 21, 83	2.9	
242	Odontoid Fracture as Proximal Junctional Failure in Patients With Multilevel Spine Fusions. *Global Spine Journal*, **2021**, 21925682211008833	2.7	
241	Intrawound vancomycin application after spinal surgery: a propensity score-matched cohort analysis. *Journal of Neurosurgery: Spine*, **2021**, 1-11	2.8	0
240	2-Dimensional Long Film O-Arm Imaging, an Alternative When Intraoperative Fluoroscopy Is Inadequate. *World Neurosurgery*, **2021**, 150, 54-55	2.1	2
239	Stratifying outcome based on the Oswestry Disability Index for operative treatment of adult spinal deformity on patients 60 years of age or older: a multicenter, multi-continental study on Prospective Evaluation of Elderly Deformity Surgery (PEEDS). *Spine Journal*, **2021**, 21, 1775-1783	4	3
238	AO Spine Adult Spinal Deformity Patient Profile: A Paradigm Shift in Comprehensive Patient Evaluation in Order to Optimize Treatment and Improve Patient Care. *Global Spine Journal*, **2021**, 21925682211037935	2.7	

237	Bilateral open sacroiliac joint fusion during adult spinal deformity surgery using triangular titanium implants: technique description and presentation of 21 cases. *Journal of Neurosurgery: Spine*, **2021**, 1-7	2.8	3
236	Acute failure of S2-alar-iliac screw pelvic fixation in adult spinal deformity: novel failure mechanism, case series, and review of the literature. *Journal of Neurosurgery: Spine*, **2021**, 1-9	2.8	2
235	Pelvic Fixation Using S2AI and Triangular Titanium Implants (Bedrock Technique). *World Neurosurgery*, **2021**, 154, 2	2.1	0
234	Change in pelvic incidence between the supine and standing positions in patients with bilateral sacroiliac joint vacuum signs. *Journal of Neurosurgery: Spine*, **2021**, 34, 617-622	2.8	2
233	AN ADJUNCTIVE USE OF ASFOTASE ALFA AND ZOLEDRONIC ACID AFTER SPINAL SURGERY IN NEUROFIBROMATOSIS TYPE 1 RELATED DYSTROPHIC SCOLIOSIS. *AACE Clinical Case Reports*, **2020**, 6, e305-e310	0.7	1
232	Minimally Invasive Sacroiliac Joint Fusion: A Lateral Approach Using Triangular Titanium Implants and Navigation. *JBJS Essential Surgical Techniques*, **2020**, 10,	2.3	3
231	Team Approach: Safety and Value in the Practice of Complex Adult Spinal Surgery. *JBJS Reviews*, **2020**, 8, e0145	2.6	0
230	The effectiveness of a free-standing lead-shield in reducing spine surgeon radiation exposure during intraoperative 3-dimensional imaging. *Spine Journal*, **2020**, 20, 1685-1691	4	1
229	Willingness to enroll in a surgical randomized controlled trial: patient and parent preferences regarding implant density for adolescent idiopathic scoliosis fusion. *Spine Deformity*, **2020**, 8, 957-963	2	3
228	Minimally Invasive Sacroiliac Joint Fusion: The Current Evidence. *International Journal of Spine Surgery*, **2020**, 14, 20-29	1.4	18
227	Sacral Dysmorphism and Lumbosacral Transitional Vertebrae (LSTV) Review. *International Journal of Spine Surgery*, **2020**, 14, 14-19	1.4	11
226	Surgeon Preference for Radiologist Interpretation of Deformity Radiographs-A Survey of Lumbar Spine Research Society Membership. *International Journal of Spine Surgery*, **2020**, 14, 527-533	1.4	
225	Regional improvements in lumbosacropelvic Hounsfield units following teriparatide treatment. *Neurosurgical Focus*, **2020**, 49, E11	4.2	5
224	Epidural Steroids for Degenerative Spondylolisthesis: Good, Bad, or Indifferent?: Commentary on an article by Michael C. Gerling, MD, et al.: "Epidural Steroid Injections for Management of Degenerative Spondylolisthesis. Little Effect on Clinical Outcomes in Operatively and Nonoperatively Treated Patients". *Journal of Bone and Joint Surgery - Series A*, **2020**, 102, e30	5.6	
223	Quantifying the effect of posterior spinal instrumentation on the MRI signal of adjacent intervertebral discs. *Spine Deformity*, **2020**, 8, 845-851	2	1
222	The effect of simulation training on resident proficiency in thoracolumbar pedicle screw placement using computer-assisted navigation. *Journal of Neurosurgery: Spine*, **2020**, 1-8	2.8	2
221	Controlled Pedicle Subtraction Osteotomy Site Closure Using Flexible Hinge-Powered Operating Table. *Operative Neurosurgery*, **2019**, 17, E214-E218	1.6	4
220	Sacroiliac Joint Fusion: Approaches and Recent Outcomes. *PM and R*, **2019**, 11 Suppl 1, S114-S117	2.2	2

219	Cost-Effectiveness for Surgical Treatment of Degenerative Spondylolisthesis. *Neurosurgery Clinics of North America*, **2019**, 30, 365-372	4	3
218	Responding to Intraoperative Neuromonitoring Changes During Pediatric Coronal Spinal Deformity Surgery. *Global Spine Journal*, **2019**, 9, 15S-21S	2.7	13
217	Minimum 20-Year Health-Related Quality of Life and Surgical Rates After the Treatment of Adolescent Idiopathic Scoliosis. *Spine Deformity*, **2019**, 7, 417-427	2	15
216	Full-spine radiographs: what others are reporting-a survey of Society of Skeletal Radiology members. *Skeletal Radiology*, **2019**, 48, 1759-1763	2.7	0
215	The Deformity TLIF: Bilateral Facetectomy and Osteotomy Closure with a Hinged Table. *Iowa orthopaedic journal, The*, **2019**, 39, 81-84	1.1	
214	Oswestry Disability Index: Is Telephone Administration Valid?. *Iowa orthopaedic journal, The*, **2019**, 39, 92-94	1.1	2
213	Percutaneous Pedicle Screws **2019**, 215-225		
212	Mechanical Performance of Posterior Spinal Instrumentation and Growing Rod Implants: Experimental and Computational Study. *Spine*, **2019**, 44, 1270-1278	3.3	4
211	What Are the Indications for Spinal Fusion Surgery in Scheuermann Kyphosis?. *Journal of Pediatric Orthopaedics*, **2019**, 39, 217-221	2.4	8
210	Minimum Detectable Measurement Difference for Health-Related Quality of Life Measures Varies With Age and Disability in Adult Spinal Deformity: Implications for Calculating Minimal Clinically Important Difference. *Spine*, **2018**, 43, E790-E795	3.3	12
209	Which Malpositioned Pedicle Screws Should Be Revised?. *Journal of Pediatric Orthopaedics*, **2018**, 38, 110-115	2.4	15
208	Operative Management of Adult Spinal Deformity Results in Significant Increases in QALYs Gained Compared to Nonoperative Management: Analysis of 479 Patients With Minimum 2-Year Follow-Up. *Spine*, **2018**, 43, 339-347	3.3	35
207	Congenital unilateral absence of the upper extremity may give rise to a specific kind of thoracolumbar curve. *Journal of Pediatric Orthopaedics Part B*, **2018**, 27, 180-183	1.4	1
206	The Challenge of Creating Lordosis in High-Grade Dysplastic Spondylolisthesis. *Neurosurgery Clinics of North America*, **2018**, 29, 375-387	4	8
205	Predictive Value and Interrater Reliability of Radiographic Factors in Neurofibromatosis Patients With Dystrophic Scoliosis. *Spine Deformity*, **2018**, 6, 560-567	2	5
204	Pediatric and Adult Scoliosis **2018**, 561-572.e4		
203	Alphabet Soup: Sagittal Balance Correction Osteotomies of the Spine-What Radiologists Should Know. *American Journal of Neuroradiology*, **2018**, 39, 606-611	4.4	1
202	An international consensus on the appropriate evaluation and treatment for adults with spinal deformity. *European Spine Journal*, **2018**, 27, 585-596	2.7	13

201	Sacroiliac joint fusion health care cost comparison prior to and following surgery: an administrative claims analysis. *ClinicoEconomics and Outcomes Research*, **2018**, 10, 643-651	1.7	1
200	Highlights from the First Annual Spinal Navigation, Emerging Technologies and Systems Integration Meeting. *Annals of Translational Medicine*, **2018**, 6, 110	3.2	5
199	Clinical Use of Opportunistic Computed Tomography Screening for Osteoporosis. *Journal of Bone and Joint Surgery - Series A*, **2018**, 100, 2073-2081	5.6	34
198	Pulmonary function tests correlated with thoracic volumes in adolescent idiopathic scoliosis. *Journal of Orthopaedic Research*, **2017**, 35, 175-182	3.8	12
197	Do Lordotic Cages Provide Better Segmental Lordosis Versus Nonlordotic Cages in Lateral Lumbar Interbody Fusion (LLIF)?. *Clinical Spine Surgery*, **2017**, 30, E338-E343	1.8	22
196	Adolescent Idiopathic Scoliosis Thoracic Volume Modeling: The Effect of Surgical Correction. *Journal of Pediatric Orthopaedics*, **2017**, 37, e512-e518	2.4	5
195	Predictors of Outcome in Conservative and Minimally Invasive Surgical Management of Pain Originating From the Sacroiliac Joint: A Pooled Analysis. *Spine*, **2017**, 42, 1664-1673	3.3	26
194	Cell Saver for Adult Spinal Deformity Surgery Reduces Cost. *Spine Deformity*, **2017**, 5, 272-276	2	19
193	The Sacroiliac Joint. *Neurosurgery Clinics of North America*, **2017**, 28, 301-312	4	16
192	Measuring outcomes in adult spinal deformity surgery: a systematic review to identify current strengths, weaknesses and gaps in patient-reported outcome measures. *European Spine Journal*, **2017**, 26, 2084-2093	2.7	19
191	Current Evidence Regarding Diagnostic Imaging Methods for Pediatric Lumbar Spondylolysis: A Report From the Scoliosis Research Society Evidence-Based Medicine Committee. *Spine Deformity*, **2017**, 5, 97-101	2	14
190	Align the Spine-It© Not Just the Pelvis!: Commentary on an article by Caglar Yilgor, MD, et al.: "Global Alignment and Proportion (GAP) Score. Development and Validation of a New Method of Analyzing Spinopelvic Alignment to Predict Mechanical Complications After Adult Spinal Deformity Surgery". *Journal of Bone and Joint Surgery - Series A*, **2017**, 99, e104	5.6	2
189	Thoracic spinal cord impingement by an arachnoid web at the level of a hemivertebra: case report. *Journal of Neurosurgery: Spine*, **2017**, 27, 638-642	2.8	13
188	Defining a core outcome set for adolescent and young adult patients with a spinal deformity. *Monthly Notices of the Royal Astronomical Society: Letters*, **2017**, 88, 612-618	4.3	12
187	The Pursuit of Scholarship: Why We Should Care About Resident Research. *Journal of Bone and Joint Surgery - Series A*, **2017**, 99, e119	5.6	5
186	Sacral bone mineral density (BMD) assessment using opportunistic CT scans. *Journal of Orthopaedic Research*, **2017**, 35, 160-166	3.8	26
185	Impact of cost valuation on cost-effectiveness in adult spine deformity surgery. *Spine Journal*, **2017**, 17, 96-101	4	13
184	Commentary: Appropriate Use Criteria for Lumbar Degenerative Scoliosis: Developing Evidence-based Guidance for Complex Treatment Decisions. *Neurosurgery*, **2017**, 80, E205-E212	3.2	7

183	Sacroiliac Joint Fusion **2017**, 429-439		
182	Tranexamic Acid Reduced the Percent of Total Blood Volume Lost During Adolescent Idiopathic Scoliosis Surgery. *International Journal of Spine Surgery*, **2017**, 11, 27	1.4	12
181	What Is the Frequency of Intraoperative Alerts During Pediatric Spinal Deformity Surgery Using Current Neuromonitoring Methodology? A Retrospective Study of 218 Surgical Procedures. *Neurodiagnostic Journal,the*, **2016**, 56, 17-31	0.7	10
180	Hemoptysis Due to Anterior Scoliosis Implants: A Case Report. *JBJS Case Connector*, **2016**, 6, e20	0.4	1
179	Placement of Thoracic Pedicle Screws. *JBJS Essential Surgical Techniques*, **2016**, 6, e9	2.3	4
178	What would be the annual cost savings if fewer screws were used in adolescent idiopathic scoliosis treatment in the US?. *Journal of Neurosurgery: Spine*, **2016**, 24, 116-23	2.8	47
177	Cost-effectiveness of minimally invasive sacroiliac joint fusion. *ClinicoEconomics and Outcomes Research*, **2016**, 8, 1-14	1.7	14
176	Does Level of Response to SI Joint Block Predict Response to SI Joint Fusion?. *International Journal of Spine Surgery*, **2016**, 10, 4	1.4	18
175	Two-Year Outcomes from a Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion vs. Non-Surgical Management for Sacroiliac Joint Dysfunction. *International Journal of Spine Surgery*, **2016**, 10, 28	1.4	81
174	Reliability of the Planned Pedicle Screw Trajectory versus the Actual Pedicle Screw Trajectory using Intra-operative 3D CT and Image Guidance. *International Journal of Spine Surgery*, **2016**, 10, 38	1.4	23
173	Ignoring the sacroiliac joint in chronic low back pain is costly. *ClinicoEconomics and Outcomes Research*, **2016**, 8, 23-31	1.7	9
172	Cost analysis of magnetically controlled growing rods compared with traditional growing rods for early-onset scoliosis in the US: an integrated health care delivery system perspective. *ClinicoEconomics and Outcomes Research*, **2016**, 8, 457-465	1.7	31
171	Accuracy of Pedicle Screw Placement in Children 10 Years or Younger Using Navigation and Intraoperative CT. *Clinical Spine Surgery*, **2016**, 29, E135-8	1.8	18
170	Dedicated Spine Measurement Software Quantifies Key Spino-Pelvic Parameters More Reliably Than Traditional Picture Archiving and Communication Systems Tools. *Spine*, **2016**, 41, E22-7	3.3	17
169	Improvement in Health State Utility after Sacroiliac Joint Fusion: Comparison to Normal Populations. *Global Spine Journal*, **2016**, 6, 100-7	2.7	7
168	Osteoporosis in acute fractures of the cervical spine: the role of opportunistic CT screening. *Journal of Neurosurgery: Spine*, **2015**, 23, 1-7	2.8	48
167	Implant distribution in surgically instrumented Lenke 1 adolescent idiopathic scoliosis: does it affect curve correction?. *Spine*, **2015**, 40, 462-8	3.3	30
166	Current Evidence Regarding the Etiology, Prevalence, Natural History, and Prognosis of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. *Spine Deformity*, **2015**, 3, 12-29	2	22

165	Current Evidence Regarding the Surgical and Nonsurgical Treatment of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. *Spine Deformity*, **2015**, 3, 30-44	2	7
164	Opportunistic computed tomography screening shows a high incidence of osteoporosis in ankylosing spondylitis patients with acute vertebral fractures. *Journal of Clinical Densitometry*, **2015**, 18, 17-21	3.5	19
163	Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion Using Triangular Titanium Implants vs Nonsurgical Management for Sacroiliac Joint Dysfunction: 12-Month Outcomes. *Neurosurgery*, **2015**, 77, 674-90; discussion 690-1	3.2	71
162	Radiographic Comparison of Lateral Lumbar Interbody Fusion Versus Traditional Fusion Approaches: Analysis of Sagittal Contour Change. *International Journal of Spine Surgery*, **2015**, 9, 16	1.4	45
161	A Novel, Minimally Invasive Resection of a Pediatric Cervical Spine Osteoblastoma: A Case Report. *JBJS Case Connector*, **2015**, 5, e108	0.4	2
160	Sacroiliac Joint Fusion Using Triangular Titanium Implants vs. Non-Surgical Management: Six-Month Outcomes from a Prospective Randomized Controlled Trial. *International Journal of Spine Surgery*, **2015**, 9, 6	1.4	60
159	How Much Work Effort is Involved in Minimally Invasive Sacroiliac Joint Fusion?. *International Journal of Spine Surgery*, **2015**, 9, 58	1.4	4
158	Comparison of nonnavigated and 3-dimensional image-based computer navigated balloon kyphoplasty. *Orthopedics*, **2015**, 38, 17-23	1.5	6
157	Comparison of open and percutaneous lumbar pedicle screw revision rate using 3-D image guidance and intraoperative CT. *Orthopedics*, **2015**, 38, e129-34	1.5	19
156	The Sacroiliac Joint and Long Lumbosacral Fusions **2015**, 151-158		
155	Minimally invasive versus open sacroiliac joint fusion: are they similarly safe and effective?. *Clinical Orthopaedics and Related Research*, **2014**, 472, 1831-8	2.2	67
154	Change in Sagittal Plane Alignment Following Surgery for Scheuermann© Kyphosis. *Spine Deformity* , **2014**, 2, 404-409	2	11
153	Introduction: Intraoperative spinal imaging and navigation. *Neurosurgical Focus*, **2014**, 36, Introduction	4.2	6
152	Complications associated with surgical treatment of traumatic spinal fractures: a review of the scoliosis research society morbidity and mortality database. *World Neurosurgery*, **2014**, 81, 818-24	2.1	8
151	New generation intraoperative three-dimensional imaging (O-arm) in 100 spine surgeries: does it change the surgical procedure?. *Journal of Clinical Neuroscience*, **2014**, 21, 225-31	2.2	33
150	Double crush to the thorax: Pectus excavatum and kyphoscoliosis. *Journal of Pediatric Surgery Case Reports*, **2014**, 2, 8-11	0.3	2
149	Sacroiliac joint pain: burden of disease. *Medical Devices: Evidence and Research*, **2014**, 7, 73-81	1.5	54
148	Management of sacroiliac joint disruption and degenerative sacroiliitis with nonoperative care is medical resource-intensive and costly in a United States commercial payer population. *ClinicoEconomics and Outcomes Research*, **2014**, 6, 63-74	1.7	22

147	Comparison of the costs of nonoperative care to minimally invasive surgery for sacroiliac joint disruption and degenerative sacroiliitis in a United States commercial payer population: potential economic implications of a new minimally invasive technology. *ClinicoEconomics and Outcomes Research*, **2014**, 6, 283-96	1.7	19
146	Comparative effectiveness of open versus minimally invasive sacroiliac joint fusion. *Medical Devices: Evidence and Research*, **2014**, 7, 187-93	1.5	30
145	Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. *European Spine Journal*, **2014**, 23, 2603-18	2.7	81
144	Defining rates and causes of mortality associated with spine surgery: comparison of 2 data collection approaches through the Scoliosis Research Society. *Spine*, **2014**, 39, 579-86	3.3	24
143	Does higher anchor density result in increased curve correction and improved clinical outcomes in adolescent idiopathic scoliosis?. *Spine*, **2014**, 39, 571-8	3.3	50
142	Timing of stereotactic radiosurgery and surgery and wound healing in patients with spinal tumors: a systematic review and expert opinions. *Neurological Research*, **2014**, 36, 510-23	2.7	25
141	Nonoperative care to manage sacroiliac joint disruption and degenerative sacroiliitis: high costs and medical resource utilization in the United States Medicare population. *Journal of Neurosurgery: Spine*, **2014**, 20, 354-63	2.8	30
140	Incremental cost-effectiveness of adult spinal deformity surgery: observed quality-adjusted life years with surgery compared with predicted quality-adjusted life years without surgery. *Neurosurgical Focus*, **2014**, 36, E3	4.2	74
139	Quantitative T2* (T2 star) relaxation times predict site specific proteoglycan content and residual mechanics of the intervertebral disc throughout degeneration. *Journal of Orthopaedic Research*, **2014**, 32, 1083-9	3.8	29
138	Does prone repositioning before posterior fixation produce greater lordosis in lateral lumbar interbody fusion (LLIF)?. *Journal of Spinal Disorders and Techniques*, **2014**, 27, 364-9		21
137	The use of computed tomography attenuation to evaluate osteoporosis following acute fractures of the thoracic and lumbar vertebra. *Geriatric Orthopaedic Surgery and Rehabilitation*, **2014**, 5, 50-5	2	24
136	Cost savings analysis of intrawound vancomycin powder in posterior spinal surgery. *Spine Journal*, **2014**, 14, 2710-5	4	77
135	Total hospital costs of surgical treatment for adult spinal deformity: an extended follow-up study. *Spine Journal*, **2014**, 14, 2326-33	4	103
134	Utilization of Minimally Invasive Surgical Approach for Sacroiliac Joint Fusion in Surgeon Population of ISASS and SMISS Membership. *The Open Orthopaedics Journal*, **2014**, 8, 1-6	0.3	51
133	Percutaneous Pedicle Screws **2014**, 129-139		1
132	Adult Degenerative Scoliosis Surgical Outcomes: A Systematic Review and Meta-analysis. *Spine Deformity*, **2013**, 1, 248-258	2	10
131	Discriminative Properties of the Spinal Appearance Questionnaire Compared With the Scoliosis Research Society-22 Revised. *Spine Deformity*, **2013**, 1, 328-338	2	13
130	Are More Screws Better? A Systematic Review of Anchor Density and Curve Correction in Adolescent Idiopathic Scoliosis. *Spine Deformity*, **2013**, 1, 237-247	2	48

129	Comparison of cranial facet joint violation rates between open and percutaneous pedicle screw placement using intraoperative 3-D CT (O-arm) computer navigation. *Spine*, **2013**, 38, E251-8	3.3	65
128	Disc degeneration assessed by quantitative T2* (T2 star) correlated with functional lumbar mechanics. *Spine*, **2013**, 38, E1533-40	3.3	56
127	Comparison of the costs of nonoperative care to minimally invasive surgery for sacroiliac joint disruption and degenerative sacroiliitis in a United States Medicare population: potential economic implications of a new minimally-invasive technology. *ClinicoEconomics and Outcomes Research*, **2013**, 5, 575-87	1.7	12
126	Defining Appropriate Spine Care for the Patient as well as Society. *Seminars in Spine Surgery*, **2012**, 24, 123-126	0.2	
125	Intraoperative 3-dimensional imaging (O-arm) for assessment of pedicle screw position: Does it prevent unacceptable screw placement?. *International Journal of Spine Surgery*, **2012**, 6, 49-54	1.4	20
124	Pediatric and Adult Scoliosis **2012**, 497-507		
123	Value-based care in the management of spinal disorders: a systematic review of cost-utility analysis. *Clinical Orthopaedics and Related Research*, **2012**, 470, 1106-23	2.2	40
122	Segmental lumbar sagittal correction after bilateral transforaminal lumbar interbody fusion. *Journal of Neurosurgery: Spine*, **2012**, 17, 37-42	2.8	33
121	The cost effectiveness of single-level instrumented posterolateral lumbar fusion at 5 years after surgery. *Spine*, **2012**, 37, 769-74	3.3	76
120	Short-term complications associated with surgery for high-grade spondylolisthesis in adults and pediatric patients: a report from the scoliosis research society morbidity and mortality database. *Neurosurgery*, **2012**, 71, 109-16	3.2	45
119	The accuracy of navigation and 3D image-guided placement for the placement of pedicle screws in congenital spine deformity. *Journal of Pediatric Orthopaedics*, **2012**, 32, e23-9	2.4	64
118	Rates and causes of mortality associated with spine surgery based on 108,419 procedures: a review of the Scoliosis Research Society Morbidity and Mortality Database. *Spine*, **2012**, 37, 1975-82	3.3	86
117	Pediatric pedicle screw placement using intraoperative computed tomography and 3-dimensional image-guided navigation. *Spine*, **2012**, 37, E188-94	3.3	85
116	Commentary on: Quality-of-Life Evaluation of Patients Undergoing Lumbar Discectomy Using Short Form 36. *Anesthesiology and Pain Medicine*, **2012**, 1, 199-200	3.5	
115	Morbidity and mortality in the surgical treatment of six hundred five pediatric patients with isthmic or dysplastic spondylolisthesis. *Spine*, **2011**, 36, 308-12	3.3	25
114	The Scoliosis Research Society Health-Related Quality of Life (SRS-30) age-gender normative data: an analysis of 1346 adult subjects unaffected by scoliosis. *Spine*, **2011**, 36, 1154-62	3.3	63
113	Incidence of unintended durotomy in spine surgery based on 108,478 cases. *Neurosurgery*, **2011**, 68, 117-23; discussion 123-4	3.2	84
112	Rates of new neurological deficit associated with spine surgery based on 108,419 procedures: a report of the scoliosis research society morbidity and mortality committee. *Spine*, **2011**, 36, 1218-28	3.3	176

111	Does bone morphogenetic protein increase the incidence of perioperative complications in spinal fusion? A comparison of 55,862 cases of spinal fusion with and without bone morphogenetic protein. *Spine*, **2011**, 36, 1685-91	3.3	85
110	Spinal appearance questionnaire: factor analysis, scoring, reliability, and validity testing. *Spine*, **2011**, 36, E1240-4	3.3	43
109	Scoliosis research society morbidity and mortality of adult scoliosis surgery. *Spine*, **2011**, 36, E593-7	3.3	158
108	Diagnosis and treatment of sacroiliac joint pain. *Current Orthopaedic Practice*, **2011**, 22, 344-350	0.4	9
107	Rates of infection after spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. *Spine*, **2011**, 36, 556-63	3.3	290
106	Complications in the surgical treatment of 19,360 cases of pediatric scoliosis: a review of the Scoliosis Research Society Morbidity and Mortality database. *Spine*, **2011**, 36, 1484-91	3.3	267
105	Optimizing iliac screw fixation: a biomechanical study on screw length, trajectory, and diameter. *Journal of Neurosurgery: Spine*, **2011**, 14, 219-25	2.8	21
104	Morbidity and mortality associated with spinal surgery in children: a review of the Scoliosis Research Society morbidity and mortality database. *Journal of Neurosurgery: Pediatrics*, **2011**, 7, 37-41	2.1	64
103	Correlation of higher preoperative American Society of Anesthesiology grade and increased morbidity and mortality rates in patients undergoing spine surgery. *Journal of Neurosurgery: Spine*, **2011**, 14, 470-4	2.8	88
102	Spinal instability neoplastic score: an analysis of reliability and validity from the spine oncology study group. *Journal of Clinical Oncology*, **2011**, 29, 3072-7	2.2	350
101	Pediatric pedicle screws: comparative effectiveness and safety: a systematic literature review from the Scoliosis Research Society and the Pediatric Orthopaedic Society of North America task force. *Journal of Bone and Joint Surgery - Series A*, **2011**, 93, 1227-34	5.6	106
100	A Health-economic Assessment of Cervical Disc Arthroplasty Compared With Allograft Fusion. *Techniques in Orthopaedics*, **2010**, 25, 133-137	0.4	10
99	Morbidity and mortality in the surgical treatment of 10,242 adults with spondylolisthesis. *Journal of Neurosurgery: Spine*, **2010**, 13, 589-93	2.8	61
98	Morbidity and mortality in the surgical treatment of 10,329 adults with degenerative lumbar stenosis. *Journal of Neurosurgery: Spine*, **2010**, 12, 443-6	2.8	66
97	Intra-operative Feedback for Lumbar Interbody Fusion: Intervertebral Disc Volume Removal and Outcomes. *Spine Journal*, **2010**, 10, S48-S49	4	2
96	Complication rates of three common spine procedures and rates of thromboembolism following spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. *Spine*, **2010**, 35, 2140-9	3.3	90
95	The costs and benefits of nonoperative management for adult scoliosis. *Spine*, **2010**, 35, 578-82	3.3	113
94	A novel classification system for spinal instability in neoplastic disease: an evidence-based approach and expert consensus from the Spine Oncology Study Group. *Spine*, **2010**, 35, E1221-9	3.3	647

93	Timing of surgery and radiotherapy in the management of metastatic spine disease: A systematic review **2010**, 36,		4
92	The Spinal Instability Neoplastic Score (SINS): An Analysis if Reliability and Validity from the Spine Oncology Study Group. *International Journal of Radiation Oncology Biology Physics*, **2010**, 78, S263	4	3
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