

Joseph Smucker

List of Publications by Year in descending order

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58
papers

1,666
citations

516710

16
h-index

276875

41
g-index

59
all docs

59
docs citations

59
times ranked

1527
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Swelling Complications Associated With Off-Label Usage of rhBMP-2 in the Anterior Cervical Spine. <i>Spine</i> , 2006, 31, 2813-2819.	2.0	351
2	Artificial Disc Versus Fusion. <i>Spine</i> , 2007, 32, 2933-2940.	2.0	213
3	Clinical Outcomes of BRYAN Cervical Disc Arthroplasty: A Prospective, Randomized, Controlled, Multicenter Trial With 24-month Follow-up. <i>Journal of Spinal Disorders and Techniques</i> , 2007, 20, 481-491.	1.9	204
4	Use of Recombinant Human Bone Morphogenetic Protein-2 as an Adjunct in Posterolateral Lumbar Spine Fusion. <i>Journal of Spinal Disorders and Techniques</i> , 2006, 19, 416-423.	1.9	131
5	Validation of a C2–C7 cervical spine finite element model using specimen-specific flexibility data. <i>Medical Engineering and Physics</i> , 2010, 32, 482-489.	1.7	122
6	Long-term Clinical Outcomes of Cervical Disc Arthroplasty. <i>Spine</i> , 2017, 42, 209-216.	2.0	87
7	Biomechanical Analysis of Cervical Disc Replacement and Fusion Using Single Level, Two Level, and Hybrid Constructs. <i>Spine</i> , 2015, 40, 1578-1585.	2.0	68
8	Efficacy of i-Factor Bone Graft versus Autograft in Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2016, 41, 1075-1083.	2.0	57
9	Effects of Direct Current Electrical Stimulation on Gene Expression of Osteopromotive Factors in a Posterolateral Spinal Fusion Model. <i>Spine</i> , 2007, 32, 174-181.	2.0	40
10	The Effect of Transdermal Nicotine on Fracture Healing in a Rabbit Model. <i>Journal of Orthopaedic Trauma</i> , 2012, 26, 724-727.	1.4	37
11	B2A Peptide on Ceramic Granules Enhance Posterolateral Spinal Fusion in Rabbits Compared With Autograft. <i>Spine</i> , 2008, 33, 1324-1329.	2.0	34
12	Effect of Aspirin on Bone Healing in a Rabbit Ulnar Osteotomy Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 488-496.	3.0	30
13	Risk Factors for Surgical Site Infections Following Adult Spine Operations. <i>Infection Control and Hospital Epidemiology</i> , 2016, 37, 1458-1467.	1.8	24
14	Biomechanical Analysis of the Cervical Spine Following Disc Degeneration, Disc Fusion, and Disc Replacement: A Finite Element Study. <i>International Journal of Spine Surgery</i> , 2019, 13, 491-500.	1.5	23
15	Surgical Treatment of Destructive Calcific Lesions of the Cervical Spine in Scleroderma: Case Series and Review of the Literature. <i>Spine</i> , 2006, 31, 2002-2008.	2.0	19
16	Effect of Multilevel Open-Door Laminoplasty and Laminectomy on Flexibility of the Cervical Spine. <i>Spine</i> , 2012, 37, E1165-E1170.	2.0	19
17	The Evolution of Spinal Instrumentation for the Management of Occipital Cervical and Cervicothoracic Junctional Injuries. <i>Spine</i> , 2006, 31, S44-S52.	2.0	17
18	Assessment of MASTERGRAFT PUTTY as a Graft Extender in a Rabbit Posterolateral Fusion Model. <i>Spine</i> , 2012, 37, 1017-1021.	2.0	16

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19	Balancing spinal stability and future mobility in the cervical spine: surgical treatment of a case of osteoblastoma with secondary aneurysmal bone cyst. <i>Spine Journal</i> , 2011, 11, e5-e12.	1.3	14
20	Considerations for the Use of C7 Crossing Lamina Screws in Subaxial and Cervicothoracic Instrumentation. <i>Spine</i> , 2013, 38, E199-E204.	2.0	14
21	rhBMP-2 enhancement of posterolateral spinal fusion in a rabbit model in the presence of concurrently administered doxorubicin. <i>Spine Journal</i> , 2007, 7, 326-331.	1.3	13
22	Biomechanical Analysis of the Intact and Destabilized Sheep Cervical Spine. <i>Spine</i> , 2012, 37, E957-E963.	2.0	13
23	Comparison of Long-term Differences in Dysphagia. <i>Clinical Spine Surgery</i> , 2017, 30, E1160-E1164.	1.3	13
24	The effect of multi-level laminoplasty and laminectomy on the biomechanics of the cervical spine: a finite element study. <i>Iowa orthopaedic journal, The</i> , 2014, 34, 150-7.	0.5	13
25	Trisomy 21 Associated with Ovarian Dysgerminoma. <i>Gynecologic Oncology</i> , 1999, 74, 512-514.	1.4	11
26	Assessment of Mastergraft(®) strip with bone marrow aspirate as a graft extender in a rabbit posterolateral fusion model. <i>Iowa orthopaedic journal, The</i> , 2012, 32, 61-8.	0.5	9
27	Evaluation of a novel silicate substituted hydroxyapatite bone graft substitute in a rabbit posterolateral fusion model. <i>Iowa orthopaedic journal, The</i> , 2013, 33, 25-32.	0.5	9
28	Understanding Bony Safety Zones in the Posterior Iliac Crest. <i>Spine</i> , 2010, 35, 725-729.	2.0	8
29	Infolding of the Ligamentum Flavum. <i>Journal of Spinal Disorders and Techniques</i> , 2006, 19, 208-212.	1.9	6
30	Hypertrophic Spinal Pachymeningitis With Thoracic Myelopathy. <i>Journal of Spinal Disorders and Techniques</i> , 2011, 24, 525-532.	1.9	6
31	Long-Term Radiographic and Functional Outcomes of Patients With Absence of Radiographic Union at 2 Years After Single-Level Anterior Cervical Discectomy and Fusion. <i>Global Spine Journal</i> , 2020, 10, 741-747.	2.3	6
32	Assessment of Progenix(®) DBM putty bone substitute in a rabbit posterolateral fusion model. <i>Iowa orthopaedic journal, The</i> , 2012, 32, 54-60.	0.5	5
33	Evaluation of DIAMâ„¢ Spinal Stabilization System for lower lumbar disc degenerative disease: A randomized, prospective, single-site study. <i>Journal of Orthopaedics</i> , 2020, 21, 171-177.	1.3	4
34	Functional Outcomes Associated With Adjacent-level Ossification Disease 10 Years After Cervical Disc Arthroplasty or ACDF. <i>Clinical Spine Surgery</i> , 2020, 33, E420-E425.	1.3	4
35	Assessment of SiCaP-30 in a Rabbit Posterolateral Fusion Model with Concurrent Chemotherapy. <i>Iowa orthopaedic journal, The</i> , 2015, 35, 140-6.	0.5	4
36	Cervical Disc Replacement: The State of the Data. <i>Seminars in Spine Surgery</i> , 2006, 18, 53-60.	0.2	3

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37	Advancements in Spine FE Mesh Development: Toward Patient-Specific Models. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2011, , 75-101.	1.0	3
38	Anterior cervical disc replacement: Indications, techniques, and outcomes. <i>Seminars in Spine Surgery</i> , 2016, 28, 97-106.	0.2	3
39	Biomechanical Effects of Laminoplasty and Laminectomy on the Stability of Cervical Spine. , 2011, , .		2
40	No S.C.A.R.E. Protocol. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2020, 28, 21-28.	2.5	2
41	Does the Decompression of Symptomatic Lumbar Facet Cysts Without Instability Require Fusion?. <i>Clinical Spine Surgery</i> , 2021, 34, 39-42.	1.3	2
42	Does index level sagittal alignment determine adjacent level disc height loss?. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 579-586.	1.7	2
43	5:4360. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion CT-scan analysis at one and two years. <i>Spine Journal</i> , 2005, 5, S31.	1.3	1
44	10:2881. Postoperative airway or swallowing disturbance associated with use of rhBMP-2 in the anterior cervical spine. <i>Spine Journal</i> , 2005, 5, S43-S44.	1.3	1
45	Finite Element Model of Multi Level Cervical Laminoplasty. , 2010, , .		1
46	Computer-assisted Spinal Navigation. <i>Techniques in Orthopaedics</i> , 2011, 26, 194-201.	0.2	1
47	Single-Level Cervical Disc Arthroplasty with a Bryan Device. <i>JBJS Essential Surgical Techniques</i> , 2017, 7, e15.	0.8	1
48	Cervical Laminoplasty Construct Stability: A Finite Element Study. , 2008, , .		0
49	Cervical Spine Arthroplasty: Kinematics of Cervical Arthroplasty. <i>Techniques in Orthopaedics</i> , 2010, 25, 97-107.	0.2	0
50	Adaptive Bone Remodeling Theory Applied to Cervical Laminoplasty. , 2011, , .		0
51	In Vitro Study of the C2-C7 Sheep Cervical Spine. , 2011, , .		0
52	Evaluation of Novel TCP Putty in a Rabbit Posterolateral Lumbar Fusion Model. <i>Spine Journal</i> , 2012, 12, S143.	1.3	0
53	Efficacy of a Novel Synthetic Small Peptide in Anterior Cervical Arthrodesis: A Randomized, Controlled, Multicenter Study with 24-Month Follow-Up. <i>Spine Journal</i> , 2015, 15, S243-S244.	1.3	0
54	Do You Need Bone Graft Extenders for a 2- to 3-Level Posterior Lumbar Decompression and Fusion With Adequate Local Bone?. <i>Journal of Spinal Disorders and Techniques</i> , 2015, 28, 159-162.	1.9	0

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55	LOCAL BONE ONLY. Journal of Spinal Disorders and Techniques, 2015, 28, 160-162.	1.9	0
56	Do the Benefits of Routine Perioperative Chemoprophylaxis for Prevention of Thrombotic Events in Multilevel Posterior Surgery of the Cervical or Thoracic Spinal Cord Outweigh the Risks?. Clinical Spine Surgery, 2020, 33, 215-217.	1.3	0
57	The Bryan® Artificial Disc. , 2007, , 137-149.		0
58	Cervical Disc Replacement. , 2011, , 808-825.		0