Scott D Boden

List of Publications by Year
in descending order

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91 papers	9,862 citations	50566 48 h-index	58552 86 g-index
93 all docs	93 docs citations	93 times ranked	5497 citing authors

#	Article	IF	Citations
1	A scalable tool for adjudication of time sensitive cases during COVID-19 pandemic. Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 5626-5634.	1.3	1
2	The temporal and spatial expression of sclerostin and Wnt signaling factors during the maturation of posterolateral lumbar spine fusions. JOR Spine, 2021, 4, e1100.	1.5	1
3	Current Procedural Terminology-based Procedure Categorization Enhances Cost Prediction of Medicare Severity Diagnosis Related Group in Spine Surgery. Spine, 2021, 46, 391-400.	1.0	1
4	Modifiable, Postoperative Risk Factors for Delayed Discharge Following Total Knee Arthroplasty: The Influence of Hypotension and Opioid Use. Journal of Arthroplasty, 2020, 35, 82-88.	1.5	12
5	Managing Resident Workforce and Education During the COVID-19 Pandemic. JBJS Open Access, 2020, 5, e0045-e0045.	0.8	123
6	Rational Selection of Patient-Reported Outcomes Measures in Lumbar Spine Surgery Patients. International Journal of Spine Surgery, 2020, 14, 347-354.	0.7	9
7	The Influence of Modifiable, Postoperative Patient Variables on the Length of Stay After Total Hip Arthroplasty. Journal of Arthroplasty, 2019, 34, 901-906.	1.5	28
8	FK506 Induces Ligand-Independent Activation of the Bone Morphogenetic Protein Pathway and Osteogenesis. International Journal of Molecular Sciences, 2019, 20, 1900.	1.8	16
9	Biological Enhancers of Fusion. , 2019, , 341-348.		0
10	Red Flags for Low Back Pain Are Not Always Really Red. Journal of Bone and Joint Surgery - Series A, 2018, 100, 368-374.	1.4	61
11	Predicting Likelihood of Surgery Before First Visit in Patients With Back and Lower Extremity Symptoms. Spine, 2018, 43, 1296-1305.	1.0	7
12	The impact of insurance coverage on access to orthopedic spine care. Journal of Spine Surgery, 2018, 4, 260-263.	0.6	38
13	Musculoskeletal Workforce Needs: Are Physician Assistants and Nurse Practitioners the Solution?. Journal of Bone and Joint Surgery - Series A, 2016, 98, e46.	1.4	19
14	Whatâ€™s New in Spine Surgery. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1022-1030.	1.4	29
15	Commentary: Interrater and intrarater agreements of magnetic resonance imaging findings in the lumbar spine. Spine Journal, 2014, 14, 2449-2450.	0.6	1
16	Whatâ€™s New in Spine Surgery. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1048-1054.	1.4	8
17	Fusion Biologics. , 2014, , 67-77.		0
18	AOA 2013-2014 Presidential Address. Journal of Bone and Joint Surgery - Series A, 2013, 95, e186.	1.4	0

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19	2011 AOA Symposium: Tissue Engineering and Tissue Regeneration. Journal of Bone and Joint Surgery - Series A, 2013, 95, e109-1-7.	1.4	5
20	Use of Recombinant Human Bone Morphogenetic Protein-2 With Local Bone Graft Instead of Iliac Crest Bone Graft in Posterolateral Lumbar Spine Arthrodesis. Spine, 2013, 38, E738-E747.	1.0	23
21	A synthetic compound that potentiates bone morphogenetic protein-2-induced transdifferentiation of myoblasts into the osteoblastic phenotype. Molecular and Cellular Biochemistry, 2011, 349, 97-106.	1.4	35
22	Activation of c-Jun NH2-terminal kinase 1 increases cellular responsiveness to BMP-2 and decreases binding of inhibitory Smad6 to the type 1 BMP receptor. Journal of Bone and Mineral Research, 2011, 26, 1122-1132.	3.1	38
23	Genetic Applications. , 2011, , 146-157.		0
24	Do the Adjacent Level Intervertebral Discs Degenerate After a Lumbar Spinal Fusion?. Spine, 2010, 35, E1144-E1152.	1.0	17
25	Surgical Versus Nonoperative Treatment for Lumbar Spinal Stenosis Four-Year Results of the Spine Patient Outcomes Research Trial. Spine, 2010, 35, 1329-1338.	1.0	454
26	WhatÊ¼s New in Spine Surgery. Journal of Bone and Joint Surgery - Series A, 2009, 91, 1822-1834.	1.4	3
27	Development and optimization of a cellâ€based assay for the selection of synthetic compounds that potentiate bone morphogenetic proteinâ€2 activity. Cell Biochemistry and Function, 2009, 27, 526-534.	1.4	37
28	Degenerative Spondylolisthesis. Spine, 2009, 34, 2351-2360.	1.0	159
29	Short-term Osteoclastic Activity Induced by Locally High Concentrations of Recombinant Human Bone Morphogenetic Proteinâ€“2 in a Cancellous Bone Environment. Spine, 2009, 34, 539-550.	1.0	87
30	Surgical versus Nonsurgical Therapy for Lumbar Spinal Stenosis. New England Journal of Medicine, 2008, 358, 794-810.	13.9	1,047
31	WhatÊ¼s New in Spine Surgery. Journal of Bone and Joint Surgery - Series A, 2008, 90, 1609-1619.	1.4	10
32	Therapeutic Opportunities for Bone Grafting. , 2008, , 1164-1175.		0
33	Surgical Treatment of Spinal Stenosis with and without Degenerative Spondylolisthesis: Cost-Effectiveness after 2 Years. Annals of Internal Medicine, 2008, 149, 845.	2.0	216
34	rhBMP-2 enhancement of posterolateral spinal fusion in a rabbit model in the presence of concurrently administered doxorubicin. Spine Journal, 2007, 7, 326-331.	0.6	13
35	The Effects of Bone Morphogenetic Protein and Basic Fibroblast Growth Factor on Cultured Mesenchymal Stem Cells for Spine Fusion. Spine, 2007, 32, 1067-1071.	1.0	43
36	Effect on bone induction of using contrast media to reconstitute recombinant human bone morphogenetic protein-2 in an ectopic model in rats. Journal of Neurosurgery: Spine, 2006, 5, 434-439.	0.9	3

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37	Use of Recombinant Human Bone Morphogenetic Protein-2 as an Adjunct in Posterolateral Lumbar Spine Fusion. Journal of Spinal Disorders and Techniques, 2006, 19, 416-423.	1.8	131
38	LIM Mineralization Protein-1 Potentiates Bone Morphogenetic Protein Responsiveness via a Novel Interaction with Smurf1 Resulting in Decreased Ubiquitination of Smads. Journal of Biological Chemistry, 2006, 281, 17212-17219.	1.6	57
39	Surgical vs Nonoperative Treatment for Lumbar Disk Herniation. JAMA - Journal of the American Medical Association, 2006, 296, 2441.	3.8	937
40	Comparison of Healos/Bone Marrow to INFUSE(rhBMP-2/ACS) With a Collagen-Ceramic Sponge Bulking Agent as Graft Substitutes for Lumbar Spine Fusion. Spine, 2005, 30, 1001-1007.	1.0	76
41	The Use of Cultured Bone Marrow Cells in Type I Collagen Gel and Porous Hydroxyapatite for Posterolateral Lumbar Spine Fusion. Spine, 2005, 30, 1134-1138.	1.0	106
42	Lower Dose of rhBMP-2 Achieves Spine Fusion When Combined With an Osteoconductive Bulking Agent in Non-human Primates. Spine, 2005, 30, 1127-1133.	1.0	93
43	The ABCs of BMPs. Orthopaedic Nursing, 2005, 24, 49???52.	0.2	66
44	Biology of Spine Fusion. , 2005, , 169-179.		0
45	A CRITICAL GUIDE TO CASE SERIES REPORTS. Hirurgia Pozvonochnika, 2005, , 128-133.	0.1	0
46	The effects of doxorubicin (adriamycin) on spinal fusion: an experimental model of posterolateral lumbar spinal arthrodesis. Spine Journal, 2004, 4, 669-674.	0.6	18
47	Glucocorticoid regulation of human BMP-6 transcription. Bone, 2004, 35, 673-681.	1.4	27
48	Evidence of Osteoinduction by Grafton Demineralized Bone Matrix in Nonhuman Primate Spinal Fusion. Spine, 2004, 29, 360-366.	1.0	46
49	Ne-Osteo Bone Growth Factor for Posterolateral Lumbar Spine Fusion: Results From a Nonhuman Primate Study and a Prospective Human Clinical Pilot Study. Spine, 2004, 29, 504-514.	1.0	31
50	Overcoming the Immune Response to Permit Ex Vivo Gene Therapy for Spine Fusion With Human Type 5 Adenoviral Delivery of the LIM Mineralization Protein-1 cDNA. Spine, 2003, 28, 219-226.	1.0	18
51	Simple Carrier Matrix Modifications Can Enhance Delivery of Recombinant Human Bone Morphogenetic Protein-2 for Posterolateral Spine Fusion. Spine, 2003, 28, 429-434.	1.0	99
52	Gene Therapy Applications for Spine Fusion. Spine, 2003, 28, S74-S84.	1.0	18
53	BED REST AND NORMAL DAILY ACTIVITY WERE EQUIVALENT FOR ACUTE LOW-BACK PAIN. Journal of Bone and Joint Surgery - Series A, 2003, 85, 975.	1.4	2
54	WHATÊ¼S NEW IN SPINE SURGERY. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1626-1636.	1.4	4

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55	Delivery of Recombinant Human Bone Morphogenetic Protein-2 Using a Compression-Resistant Matrix in Posterolateral Spine Fusion in the Rabbit and in the Non-Human Primate. Spine, 2002, 27, 353-360.	1.0	132
56	Purified Bovine BMP Extract and Collagen for Spine Arthrodesis. Spine, 2002, 27, S50-S58.	1.0	42
57	Overview of the Biology of Lumbar Spine Fusion and Principles for Selecting a Bone Graft Substitute. Spine, 2002, 27, S26-S31.	1.0	253
58	Use of Recombinant Human Bone Morphogenetic Protein-2 to Achieve Posterolateral Lumbar Spine Fusion in Humans. Spine, 2002, 27, 2662-2673.	1.0	631
59	Retention of125I-labeled recombinant human bone morphogenetic protein-2 by biphasic calcium phosphate or a composite sponge in a rabbit posterolateral spine arthrodesis model. Journal of Orthopaedic Research, 2002, 20, 1050-1059.	1.2	67
60	Anterior Lumbar Interbody Fusion Using a Barbell-Shaped Cage: A Biomechanical Comparison. Journal of Spinal Disorders, 2001, 14, 385-392.	1.1	9
61	Clinical Application of the BMPs. Journal of Bone and Joint Surgery - Series A, 2001, 83, S1-161.	1.4	11
62	Adenoviral Delivery of LIM Mineralization Protein-1 Induces New-Bone Formation in Vitro and in Vivo. Journal of Bone and Joint Surgery - Series A, 2001, 83, 364-376.	1.4	112
63	The Effect of Nicotine on Gene Expression During Spine Fusion. Spine, 2000, 25, 2588-2594.	1.0	123
64	The Use of rhBMP-2 in Interbody Fusion Cages. Spine, 2000, 25, 376-381.	1.0	609
65	Biology of Lumbar Spine Fusion and Use of Bone Graft Substitutes: Present, Future, and Next Generation. Tissue Engineering, 2000, 6, 383-399.	4.9	116
66	OSTEOINDUCTIVE BONE GRAFT SUBSTITUTES FOR SPINAL FUSION. Orthopedic Clinics of North America, 1999, 30, 635-645.	0.5	82
67	New Formulations of Demineralized Bone Matrix as a More Effective Graft Alternative in Experimental Posterolateral Lumbar Spine Arthrodesis. Spine, 1999, 24, 637-645.	1.0	203
68	Posterolateral Lumbar Intertransverse Process Spine Arthrodesis With Recombinant Human Bone Morphogenetic Protein 2/Hydroxyapatiteâ€“Tricalcium Phosphate After Laminectomy in the Nonhuman Primate. Spine, 1999, 24, 1179-1185.	1.0	224
69	Recombinant Human Bone Morphogenetic Protein-2 Overcomes the Inhibitory Effect of Ketorolac, a Nonsteroidal Anti-inflammatory Drug (NSAID), on Posterolateral Lumbar Intertransverse Process Spine Fusion. Spine, 1999, 24, 2188.	1.0	131
70	The Use of Coralline Hydroxyapatite With Bone Marrow, Autogenous Bone Graft, or Osteoinductive Bone Protein Extract for Posterolateral Lumbar Spine Fusion. Spine, 1999, 24, 320-327.	1.0	162
71	Bioactive Factors for Bone Tissue Engineering. Clinical Orthopaedics and Related Research, 1999, 367, S84-S94.	0.7	123
72	THE BIOLOGY OF POSTEROLATERAL LUMBAR SPINAL FUSION. Orthopedic Clinics of North America, 1998, 29, 603-619.	0.5	52

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73	Gene Expression During Autograft Lumbar Spine Fusion and the Effect of Bone Morphogenetic Protein 2. Clinical Orthopaedics and Related Research, 1998, 351, 252???265.	0.7	67
74	Laparoscopic Anterior Spinal Arthrodesis with rhBMP-2 in a Titanium Interbody Threaded Cage. Journal of Spinal Disorders, 1998, 11, 95???101.	1.1	197
75	1998 Volvo Award Winner in Basic Science Studies. Spine, 1998, 23, 2486-2492.	1.0	213
76	Experimental Posterolateral Lumbar Spinal Fusion With a Demineralized Bone Matrix Gel. Spine, 1998, 23, 159-167.	1.0	157
77	Vascularization of the Fusion Mass in a Posterolateral Intertransverse Process Fusion. Spine, 1998, 23, 1149-1154.	1.0	54
78	Reversing the Inhibitory Effect of Nicotine on Spinal Fusion Using an Osteoinductive Protein Extract. Spine, 1998, 23, 291-296.	1.0	90
79	In Vivo Evaluation of a Resorbable Osteoinductive Composite as a Graft Substitute for Lumbar Spinal Fusion. Journal of Spinal Disorders, 1997, 10, 1???11.	1.1	57
80	Video-Assisted Lateral Intertransverse Process Arthrodesis. Spine, 1996, 21, 2689-2697.	1.0	98
81	A Rabbit Model for Nonunion of Lumbar Intertransverse Process Spine Arthrodesis. Spine, 1996, 21, 27-30.	1.0	59
82	Morphology of the Lumbar Intertransverse Process Fusion Mass in the Rabbit Model. Journal of Spinal Disorders, 1996, 9, 125???128.	1.1	54
83	Noninvasive markers of bone metabolism in the rhesus monkey: Normal effects of age and gender. Journal of Medical Primatology, 1996, 25, 333-338.	0.3	26
84	The Use of an Osteoinductive Growth Factor for Lumbar Spinal Fusion. Spine, 1995, 20, 2633-2644.	1.0	174
85	Experimental Spinal Fusion With Recombinant Human Bone Morphogenetic Protein-2. Spine, 1995, 20, 1326-1337.	1.0	276
86	Biologic Issues in Lumbar Spinal Fusion Introduction. Spine, 1995, 20, 102S.	1.0	86
87	The Effect of Nicotine on Spinal Fusion. Spine, 1995, 20, 1549-1553.	1.0	215
88	The Use of an Osteoinductive Growth Factor for Lumbar Spinal Fusion. Spine, 1995, 20, 2626-2632.	1.0	119
89	Biologic Factors Affecting Spinal Fusion and Bone Regeneration. Spine, 1995, 20, 113S.	1.0	106
90	An Experimental Lumbar Intertransverse Process Spinal Fusion Model. Spine, 1995, 20, 412-420.	1.0	332

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91	Spine Update The Use of Animal Models to Study Spinal Fusion. Spine, 1994, 19, 1998-2006.	1.0	123