

Matthew Smuck

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,819
citations

236925

25
h-index

302126

39
g-index

85
all docs

85
docs citations

85
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus practice guidelines on interventions for lumbar facet joint pain from a multispecialty, international working group. <i>Regional Anesthesia and Pain Medicine</i> , 2020, 45, 424-467.	2.3	156
2	The emerging clinical role of wearables: factors for successful implementation in healthcare. <i>Npj Digital Medicine</i> , 2021, 4, 45.	10.9	143
3	Does physical activity influence the relationship between low back pain and obesity?. <i>Spine Journal</i> , 2014, 14, 209-216.	1.3	98
4	Incidence of simultaneous epidural and vascular injection during lumbosacral transforaminal epidural injections. <i>Spine Journal</i> , 2007, 7, 79-82.	1.3	76
5	Digital Care for Chronic Musculoskeletal Pain: 10,000 Participant Longitudinal Cohort Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e18250.	4.3	76
6	A prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain. <i>Spine Journal</i> , 2019, 19, 1620-1632.	1.3	64
7	Plasma disc decompression compared with fluoroscopy-guided transforaminal epidural steroid injections for symptomatic contained lumbar disc herniation: a prospective, randomized, controlled trial. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 357-371.	1.7	63
8	A scoping review of biopsychosocial risk factors and co-morbidities for common spinal disorders. <i>PLoS ONE</i> , 2018, 13, e0197987.	2.5	59
9	The Global Spine Care Initiative: model of care and implementation. <i>European Spine Journal</i> , 2018, 27, 925-945.	2.2	52
10	A minimum of 5-year follow-up after lumbar transforaminal epidural steroid injections in patients with lumbar radicular pain due to intervertebral disc herniation. <i>Spine Journal</i> , 2018, 18, 29-35.	1.3	51
11	Objective measurement of function following lumbar spinal stenosis decompression reveals improved functional capacity with stagnant real-life physical activity. <i>Spine Journal</i> , 2018, 18, 15-21.	1.3	51
12	Stagnant Physical Therapy Referral Rates Alongside Rising Opioid Prescription Rates in Patients With Low Back Pain in the United States 1997-2010. <i>Spine</i> , 2017, 42, 670-674.	2.0	48
13	Immediate Adverse Events in Interventional Pain Procedures: A Multi-Institutional Study. <i>Pain Medicine</i> , 2016, 17, 2155-2161.	1.9	46
14	Accuracy of Intermittent Fluoroscopy to Detect Intravascular Injection During Transforaminal Epidural Injections. <i>Spine</i> , 2008, 33, E205-E210.	2.0	42
15	Trends in Ambulatory Physician Opioid Prescription in the United States, 1997-2009. <i>PM and R</i> , 2014, 6, 575.	1.6	40
16	Utility of the anesthetic test dose to avoid catastrophic injury during cervical transforaminal epidural injections. <i>Spine Journal</i> , 2010, 10, 857-864.	1.3	39
17	Duration of Fluoroscopic-Guided Spine Interventions and Radiation Exposure Is Increased in Overweight Patients. <i>PM and R</i> , 2013, 5, 291-296.	1.6	39
18	Gait Symmetry Assessment with a Low Back 3D Accelerometer in Post-Stroke Patients. <i>Sensors</i> , 2018, 18, 3322.	3.8	37

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19	The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 776-785.	2.2	36
20	Objective measurement of free-living physical activity (performance) in lumbar spinal stenosis: are physical activity guidelines being met?. <i>Spine Journal</i> , 2017, 17, 26-33.	1.3	35
21	Guidelines for Composing and Assessing a Paper on the Treatment of Pain: A Practical Application of Evidence-Based Medicine Principles to the Mint Randomized Clinical Trials. <i>Pain Medicine</i> , 2018, 19, 2127-2137.	1.9	33
22	The Global Spine Care Initiative: public health and prevention interventions for common spine disorders in low- and middle-income communities. <i>European Spine Journal</i> , 2018, 27, 838-850.	2.2	30
23	Influence of needle type on the incidence of intravascular injection during transforaminal epidural injections: a comparison of short-bevel and long-bevel needles. <i>Spine Journal</i> , 2010, 10, 367-371.	1.3	28
24	Long-Term Effects of Repeated Injections of Local Anesthetic With or Without Corticosteroid for Lumbar Spinal Stenosis: A Randomized Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 1499-1507.e2.	0.9	28
25	Epidural Fibrosis Following Percutaneous Disc Decompression with Coblation Technology. <i>Pain Physician</i> , 2007, 5;10, 691-696.	0.4	28
26	Physical performance analysis: A new approach to assessing free-living physical activity in musculoskeletal pain and mobility-limited populations. <i>PLoS ONE</i> , 2017, 12, e0172804.	2.5	27
27	Incidence of Simultaneous Epidural and Vascular Injection During Cervical Transforaminal Epidural Injections. <i>Spine</i> , 2009, 34, E751-E755.	2.0	26
28	Success of Initial and Repeated Medial Branch Neurotomy for Zygapophysial Joint Pain: A Systematic Review. <i>PM and R</i> , 2012, 4, 686-692.	1.6	26
29	The Global Spine Care Initiative: methodology, contributors, and disclosures. <i>European Spine Journal</i> , 2018, 27, 786-795.	2.2	22
30	Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 12-month results. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 683-693.	2.3	20
31	Reliability and Validity of Athletes Disability Index Questionnaire. <i>Clinical Journal of Sport Medicine</i> , 2018, 28, 159-167.	1.8	19
32	[18F]FDG PET/MRI of patients with chronic pain alters management: early experience. <i>EJNMMI Physics</i> , 2015, 2, A84.	2.7	17
33	Intraosseous Basivertebral Nerve Radiofrequency Ablation for the Treatment of Vertebral Body Endplate Low Back Pain: Current Evidence and Future Directions. <i>Pain Medicine</i> , 2021, 22, S24-S30.	1.9	17
34	Inadvertent Injection of a Cervical Radicular Artery Using an Atraumatic Pencil-Point Needle. <i>Spine</i> , 2011, 36, E220-E223.	2.0	16
35	Determinants of Physical Activity in America: A First Characterization of Physical Activity Profile Using the National Health and Nutrition Examination Survey (NHANES). <i>PM and R</i> , 2014, 6, 882-892.	1.6	16
36	Demographic Imbalances Resulting From the Bring-Your-Own-Device Study Design. <i>JMIR MHealth and UHealth</i> , 2022, 10, e29510.	3.7	15

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37	Detection of Intravascular Injection During Lumbar Medial Branch Blocks: A Comparison of Aspiration, Live Fluoroscopy, and Digital Subtraction Technology. <i>Pain Medicine</i> , 2016, 17, pnv073.	1.9	14
38	Digital biomarkers of spine and musculoskeletal disease from accelerometers: Defining phenotypes of free-living physical activity in knee osteoarthritis and lumbar spinal stenosis. <i>Spine Journal</i> , 2019, 19, 15-23.	1.3	14
39	Smoking Is Associated with Pain in All Body Regions, with Greatest Influence on Spinal Pain. <i>Pain Medicine</i> , 2020, 21, 1759-1768.	1.9	14
40	Gait features for discriminating between mobility-limiting musculoskeletal disorders: Lumbar spinal stenosis and knee osteoarthritis. <i>Gait and Posture</i> , 2020, 80, 96-100.	1.4	14
41	Inferring Physical Function From Wearable Activity Monitors: Analysis of Free-Living Activity Data From Patients With Knee Osteoarthritis. <i>JMIR MHealth and UHealth</i> , 2018, 6, e11315.	3.7	13
42	Interpretation of Contrast Dispersal Patterns by Experienced and Inexperienced Interventionalists. <i>PM and R</i> , 2009, 1, 55-59.	1.6	11
43	Differential Rates of Inadvertent Intravascular Injection during Lumbar Transforaminal Epidural Injections Using Blunt-Tip, Pencil-Point, and Catheter-Extension Needles. <i>Pain Medicine</i> , 2015, 16, 2084-2089.	1.9	11
44	Intra-articular Steroids vs Saline for Lumbar Z-Joint Pain: A Prospective, Randomized, Double-Blind Placebo-Controlled Trial. <i>Pain Medicine</i> , 2019, 20, 246-251.	1.9	11
45	Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 24-month treatment arm results. <i>North American Spine Society Journal (NASSJ)</i> , 2021, 8, 100089.	0.5	11
46	The Use of Epidural Corticosteroids for Cervical Radiculopathy: An Interlaminar Versus Transforaminal Approach. <i>PM and R</i> , 2009, 1, 178-184.	1.6	9
47	What does the patient with back pain want? A comparison of patient preferences and physician assumptions. <i>Spine Journal</i> , 2022, 22, 207-213.	1.3	9
48	The Effects of Local Anesthesia Administration on Pain Experience During Interventional Spine Procedures: A Prospective Controlled Trial. <i>Pain Medicine</i> , 2015, 17, pnv015.	1.9	8
49	Is There a Relationship Between Body Mass Index and Fluoroscopy Time During Sacroiliac Joint Injection? A Multicenter Cohort Study. <i>Pain Medicine</i> , 2016, 17, 1241-1248.	1.9	7
50	Skin Mountable Capillaric Strain Sensor with Ultrahigh Sensitivity and Direction Specificity. <i>Advanced Materials Technologies</i> , 2020, 5, 2000631.	5.8	7
51	Objective features of sedentary time and light activity differentiate people with low back pain from healthy controls: a pilot study. <i>Spine Journal</i> , 2022, 22, 629-634.	1.3	7
52	Cervical Foraminal Versus Interlaminar Epidurals: Risks, Benefits, and Alternatives. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2013, 1, 125-134.	0.8	5
53	Intravascular Injection of Contrast During Lumbar Discography: A Previously Unreported Complication. <i>Pain Medicine</i> , 2008, 9, 1030-1034.	1.9	4
54	Commentary: One small step. <i>Spine Journal</i> , 2011, 11, 824-825.	1.3	4

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55	The Impact of Body Mass Index on Fluoroscopy Time During Lumbar Epidural Steroid Injection; A Multicenter Cohort Study. <i>Pain Medicine</i> , 2017, 18, 25-35.	1.9	4
56	Effect of Injectate Viscosity on Epidural Distribution in Lumbar Transforaminal Epidural Steroid Injection. <i>Pain Research and Management</i> , 2019, 2019, 1-6.	1.8	3
57	Does the presence of the fibronectin-aggreacan complex predict outcomes from lumbar discectomy for disc herniation?. <i>Spine Journal</i> , 2019, 19, e28-e33.	1.3	3
58	Incidence of Extravascular Perivertebral Artery Contrast Flow During Cervical Transforaminal Epidural Injections. <i>Pain Medicine</i> , 2020, 21, 1753-1758.	1.9	3
59	A Quantitative Study of Intervertebral Disc Morphologic Changes Following Plasma-Mediated Percutaneous Discectomy. <i>Pain Medicine</i> , 2014, 15, 1695-1703.	1.9	2
60	Is There a Relationship Between Body Mass Index and Fluoroscopy Time During Cervical Interlaminar Epidural Steroid Injections?. <i>Pain Medicine</i> , 2016, 18, pnw264.	1.9	2
61	App Development for Therapeutic Exercise. <i>PM and R</i> , 2017, 9, S116-S117.	1.6	2
62	Poster 194: Single Insertion for Multiple Injections: a Safer and Less Painful Technique for Concomitant Facet Joint and Transforaminal Epidural Injections. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007, 88, E65.	0.9	1
63	6. Utility of the Anesthetic Test Dose to Avoid Catastrophic Injury During Cervical Transforaminal Epidural Injections. <i>Spine Journal</i> , 2009, 9, 3S-4S.	1.3	1
64	Commentary: More or less satisfied?. <i>Spine Journal</i> , 2012, 12, 1140-1141.	1.3	1
65	Ideal Cervical Epidural Injection Route: Interlaminar or Transforaminal. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2015, 3, 142-150.	0.8	1
66	Poster 109: Discriminating Physical Performance Phenotypes of Patients with Chronic Low Back Pain. <i>PM and R</i> , 2017, 9, S169.	1.6	1
67	Approaching the Management of Expectations in Patients with Chronic Low Back Pain: Enthusiasm vs Realism. <i>Pain Medicine</i> , 2020, 21, 1519-1522.	1.9	1
68	Blind Man's Bluff. <i>Spine Journal</i> , 2009, 9, 518-519.	1.3	0
69	Considering value. <i>Spine Journal</i> , 2010, 10, 505-506.	1.3	0
70	Assessment and Management of Back Pain. <i>JAMA Internal Medicine</i> , 2014, 174, 479.	5.1	0
71	Poster 263 Zygapophyseal Joint Tropism Leading to Pars Stress Reaction in an Adolescent Athlete: A Case Report. <i>PM and R</i> , 2014, 6, S277.	1.6	0
72	A slap on the back and a pat on the head. <i>Spine Journal</i> , 2016, 16, 1500-1502.	1.3	0

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73	Advice to give advice. Spine Journal, 2017, 17, 1547-1548.	1.3	0
74	Variability among methods and timing of pain assessment tools for tracking improvement of lumbar stenosis patients after surgery. Spine Journal, 2020, 20, 1826-1831.	1.3	0
75	Contrast flow patterns based on needle tip position during cervical transforaminal epidural injections. PM and R, 2021, , .	1.6	0
76	Examining the Association Between Self-Reported Estimates of Function and Objective Measures of Gait and Physical Capacity in Lumbar Stenosis. Archives of Rehabilitation Research and Clinical Translation, 2021, 3, 100147.	0.9	0
77	TO THE EDITOR:. Spine, 2020, 45, E412-E413.	2.0	0
78	Results of cervical epidural steroid injections based on the physician referral source. , 2022, 1, 100001.		0