Matthew Smuck

List of Publications by Year
in descending order

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	What does the patient with back pain want? A comparison of patient preferences and physician assumptions. Spine Journal, 2022, 22, 207-213.	1.3	9
2	Objective features of sedentary time and light activity differentiate people with low back pain from healthy controls: a pilot study. Spine Journal, 2022, 22, 629-634.	1.3	7
3	Demographic Imbalances Resulting From the Bring-Your-Own-Device Study Design. JMIR MHealth and UHealth, 2022, 10, e29510.	3.7	15
4	Results of cervical epidural steroid injections based on the physician referral source. , 2022, 1, 100001.		0
5	The emerging clinical role of wearables: factors for successful implementation in healthcare. Npj Digital Medicine, 2021, 4, 45.	10.9	143
6	Contrast flow patterns based on needle tip position during cervical transforaminal epidural injections. PM and R, 2021, , .	1.6	0
7	Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 12-month results. Regional Anesthesia and Pain Medicine, 2021, 46, 683-693.	2.3	20
8	Intraosseous Basivertebral Nerve Radiofrequency Ablation for the Treatment of Vertebral Body Endplate Low Back Pain: Current Evidence and Future Directions. Pain Medicine, 2021, 22, S24-S30.	1.9	17
9	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
10	Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 24-month treatment arm results. North American Spine Society Journal (NASSJ), 2021, 8, 100089.	0.5	11
11	Smoking Is Associated with Pain in All Body Regions, with Greatest Influence on Spinal Pain. Pain Medicine, 2020, 21, 1759-1768.	1.9	14
12	Skin Mountable Capillaric Strain Sensor with Ultrahigh Sensitivity and Direction Specificity. Advanced Materials Technologies, 2020, 5, 2000631.	5.8	7
13	Approaching the Management of Expectations in Patients with Chronic Low Back Pain: Enthusiasm vs Realism. Pain Medicine, 2020, 21, 1519-1522.	1.9	1
14	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
15	Incidence of Extravascular Perivertebral Artery Contrast Flow During Cervical Transforaminal Epidural Injections. Pain Medicine, 2020, 21, 1753-1758.	1.9	3
16	Consensus practice guidelines on interventions for lumbar facet joint pain from a multispecialty, international working group. Regional Anesthesia and Pain Medicine, 2020, 45, 424-467.	2.3	156
17	Gait features for discriminating between mobility-limiting musculoskeletal disorders: Lumbar spinal stenosis and knee osteoarthritis. Gait and Posture, 2020, 80, 96-100.	1.4	14
18	Digital Care for Chronic Musculoskeletal Pain: 10,000 Participant Longitudinal Cohort Study. Journal of Medical Internet Research, 2020, 22, e18250.	4.3	76

#	Article	IF	Citations
19	TO THE EDITOR:. Spine, 2020, 45, E412-E413.	2.0	0
20	Digital biomarkers of spine and musculoskeletal disease from accelerometers: Defining phenotypes of free-living physical activity in knee osteoarthritis and lumbar spinal stenosis. Spine Journal, 2019, 19, 15-23.	1.3	14
21	A prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain. Spine Journal, 2019, 19, 1620-1632.	1.3	64
22	Effect of Injectate Viscosity on Epidural Distribution in Lumbar Transforaminal Epidural Steroid Injection. Pain Research and Management, 2019, 2019, 1-6.	1.8	3
23	Intra-articular Steroids vs Saline for Lumbar Z-Joint Pain: A Prospective, Randomized, Double-Blind Placebo-Controlled Trial. Pain Medicine, 2019, 20, 246-251.	1.9	11
24	Does the presence of the fibronectin-aggrecan complex predict outcomes from lumbar discectomy for disc herniation?. Spine Journal, 2019, 19, e28-e33.	1.3	3
25	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. Pain Medicine, 2018, 19, 2127-2137.	1.9	33
26	Reliability and Validity of Athletes Disability Index Questionnaire. Clinical Journal of Sport Medicine, 2018, 28, 159-167.	1.8	19
27	A minimum of 5-year follow-up after lumbar transforaminal epidural steroid injections in patients with lumbar radicular pain due to intervertebral disc herniation. Spine Journal, 2018, 18, 29-35.	1.3	51
28	Objective measurement of function following lumbar spinal stenosis decompression reveals improved functional capacity with stagnant real-life physical activity. Spine Journal, 2018, 18, 15-21.	1.3	51
29	Gait Symmetry Assessment with a Low Back 3D Accelerometer in Post-Stroke Patients. Sensors, 2018, 18, 3322.	3.8	37
30	The Global Spine Care Initiative: model of care and implementation. European Spine Journal, 2018, 27, 925-945.	2.2	52
31	The Global Spine Care Initiative: methodology, contributors, and disclosures. European Spine Journal, 2018, 27, 786-795.	2.2	22
32	A scoping review of biopsychosocial risk factors and co-morbidities for common spinal disorders. PLoS ONE, 2018, 13, e0197987.	2.5	59
33	The Global Spine Care Initiative: public health and prevention interventions for common spine disorders in low- and middle-income communities. European Spine Journal, 2018, 27, 838-850.	2.2	30
34	The Global Spine Care Initiative: World Spine Care executive summary on reducing spine-related disability in low- and middle-income communities. European Spine Journal, 2018, 27, 776-785.	2.2	36
35	Inferring Physical Function From Wearable Activity Monitors: Analysis of Free-Living Activity Data From Patients With Knee Osteoarthritis. JMIR MHealth and UHealth, 2018, 6, e11315.	3.7	13
36	The Impact of Body Mass Index on Fluoroscopy Time During Lumbar Epidural Steroid Injection; A Multicenter Cohort Study. Pain Medicine, 2017, 18, 25-35.	1.9	4

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37	Stagnant Physical Therapy Referral Rates Alongside Rising Opioid Prescription Rates in Patients With Low Back Pain in the United States 1997â€“2010. Spine, 2017, 42, 670-674.	2.0	48
38	Long-Term Effects of Repeated Injections of Local Anesthetic With or Without Corticosteroid for Lumbar Spinal Stenosis: A Randomized Trial. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1499-1507.e2.	0.9	28
39	Poster 109: Discriminating Physical Performance Phenotypes of Patients with Chronic Low Back Pain. PM and R, 2017, 9, S169.	1.6	1
40	Advice to give advice. Spine Journal, 2017, 17, 1547-1548.	1.3	0
41	App Development for Therapeutic Exercise. PM and R, 2017, 9, S116-S117.	1.6	2
42	Objective measurement of free-living physical activity (performance) in lumbar spinal stenosis: are physical activity guidelines being met?. Spine Journal, 2017, 17, 26-33.	1.3	35
43	Physical performance analysis: A new approach to assessing free-living physical activity in musculoskeletal pain and mobility-limited populations. PLoS ONE, 2017, 12, e0172804.	2.5	27
44	Is There a Relationship Between Body Mass Index and Fluoroscopy Time During Cervical Interlaminar Epidural Steroid Injections?. Pain Medicine, 2016, 18, pnw264.	1.9	2
45	Immediate Adverse Events in Interventional Pain Procedures: A Multi-Institutional Study. Pain Medicine, 2016, 17, 2155-2161.	1.9	46
46	Detection of Intravascular Injection During Lumbar Medial Branch Blocks: A Comparison of Aspiration, Live Fluoroscopy, and Digital Subtraction Technology. Pain Medicine, 2016, 17, pnv073.	1.9	14
47	A slap on the back and a pat on the head. Spine Journal, 2016, 16, 1500-1502.	1.3	0
48	Is There a Relationship Between Body Mass Index and Fluoroscopy Time During Sacroiliac Joint Injection? A Multicenter Cohort Study. Pain Medicine, 2016, 17, 1241-1248.	1.9	7
49	Differential Rates of Inadvertent Intravascular Injection during Lumbar Transforaminal Epidural Injections Using Blunt-Tip, Pencil-Point, and Catheter-Extension Needles. Pain Medicine, 2015, 16, 2084-2089.	1.9	11
50	The Effects of Local Anesthesia Administration on Pain Experience During Interventional Spine Procedures: A Prospective Controlled Trial. Pain Medicine, 2015, 17, pnv015.	1.9	8
51	Ideal Cervical Epidural Injection Route: Interlaminar or Transforaminal. Current Physical Medicine and Rehabilitation Reports, 2015, 3, 142-150.	0.8	1
52	[18F]FDG PET/MRI of patients with chronic pain alters management: early experience. EJNMMI Physics, 2015, 2, A84.	2.7	17
53	Assessment and Management of Back Pain. JAMA Internal Medicine, 2014, 174, 479.	5.1	0
54	Trends in Ambulatory Physician Opioid Prescription in the United States, 1997â€2009. PM and R, 2014, 6, 575.	1.6	40

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55	Does physical activity influence the relationship between low back pain and obesity?. Spine Journal, 2014, 14, 209-216.	1.3	98
56	Poster 263 Zygapophyseal Joint Tropism Leading to Pars Stress Reaction in an Adolescent Athlete: A Case Report. PM and R, 2014, 6, S277.	1.6	0
57	Determinants of Physical Activity in America: A First Characterization of Physical Activity Profile Using the National Health and Nutrition Examination Survey (NHANES). PM and R, 2014, 6, 882-892.	1.6	16
58	A Quantitative Study of Intervertebral Disc Morphologic Changes Following Plasma-Mediated Percutaneous Discectomy. Pain Medicine, 2014, 15, 1695-1703.	1.9	2
59	Cervical Foraminal Versus Interlaminar Epidurals: Risks, Benefits, and Alternatives. Current Physical Medicine and Rehabilitation Reports, 2013, 1, 125-134.	0.8	5
60	Duration of Fluoroscopicâ€€Guided Spine Interventions and Radiation Exposure Is Increased in Overweight Patients. PM and R, 2013, 5, 291-296.	1.6	39
61	Commentary: More or less satisfied?. Spine Journal, 2012, 12, 1140-1141.	1.3	1
62	Success of Initial and Repeated Medial Branch Neurotomy for Zygapophysial Joint Pain: A Systematic Review. PM and R, 2012, 4, 686-692.	1.6	26
63	Commentary: One small step. Spine Journal, 2011, 11, 824-825.	1.3	4
64	Inadvertent Injection of a Cervical Radicular Artery Using an Atraumatic Pencil-Point Needle. Spine, 2011, 36, E220-E223.	2.0	16
65	Plasma disc decompression compared with fluoroscopy-guided transforaminal epidural steroid injections for symptomatic contained lumbar disc herniation: a prospective, randomized, controlled trial. Journal of Neurosurgery: Spine, 2010, 12, 357-371.	1.7	63
66	Influence of needle type on the incidence of intravascular injection during transforaminal epidural injections: a comparison of short-bevel and long-bevel needles. Spine Journal, 2010, 10, 367-371.	1.3	28
67	Considering value. Spine Journal, 2010, 10, 505-506.	1.3	0
68	Utility of the anesthetic test dose to avoid catastrophic injury during cervical transforaminal epidural injections. Spine Journal, 2010, 10, 857-864.	1.3	39
69	Interpretation of Contrast Dispersal Patterns by Experienced and Inexperienced Interventionalists. PM and R, 2009, 1, 55-59.	1.6	11
70	The Use of Epidural Corticosteroids for Cervical Radiculopathy: An Interlaminar Versus Transforaminal Approach. PM and R, 2009, 1, 178-184.	1.6	9
71	Blind Man's Bluff. Spine Journal, 2009, 9, 518-519.	1.3	0
72	6. Utility of the Anesthetic Test Dose to Avoid Catastrophic Injury During Cervical Transforaminal Epidural Injections. Spine Journal, 2009, 9, 3S-4S.	1.3	1

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73	Incidence of Simultaneous Epidural and Vascular Injection During Cervical Transforaminal Epidural Injections. Spine, 2009, 34, E751-E755.	2.0	26
74	Intravascular Injection of Contrast During Lumbar Discography: A Previously Unreported Complication. Pain Medicine, 2008, 9, 1030-1034.	1.9	4
75	Accuracy of Intermittent Fluoroscopy to Detect Intravascular Injection During Transforaminal Epidural Injections. Spine, 2008, 33, E205-E210.	2.0	42
76	Poster 194: Single Insertion for Multiple Injections: a Safer and Less Painful Technique for Concomitant Facet Joint and Transforaminal Epidural Injections. Archives of Physical Medicine and Rehabilitation, 2007, 88, E65.	0.9	1
77	Incidence of simultaneous epidural and vascular injection during lumbosacral transforaminal epidural injections. Spine Journal, 2007, 7, 79-82.	1.3	76
78	Epidural Fibrosis Following Percutaneous Disc Decompression with Coblation Technology. Pain Physician, 2007, 5;10, 691-696.	0.4	28