

# Joshua A Hirsch

## List of Publications by Citations

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349  
papers

7,545  
citations

40  
h-index

73  
g-index

379  
ext. papers

9,050  
ext. citations

4.7  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
349	Recommendations on angiographic revascularization grading standards for acute ischemic stroke: a consensus statement. <i>Stroke</i> , <b>2013</b> , 44, 2650-63	6.7	884
348	Occurrence of new vertebral body fracture after percutaneous vertebroplasty in patients with osteoporosis. <i>Radiology</i> , <b>2003</b> , 226, 119-24	20.5	457
347	Epidemiology of low back pain in adults. <i>Neuromodulation</i> , <b>2014</b> , 17 Suppl 2, 3-10	3.1	279
346	An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain. Part II: guidance and recommendations. <i>Pain Physician</i> , <b>2013</b> , 16, S49-283	1.8	236
345	American Society of Interventional Pain Physicians (ASIPP) guidelines for responsible opioid prescribing in chronic non-cancer pain: Part 2--guidance. <i>Pain Physician</i> , <b>2012</b> , 15, S67-116	1.8	213
344	Infarct volume is a pivotal biomarker after intra-arterial stroke therapy. <i>Stroke</i> , <b>2012</b> , 43, 1323-30	6.7	166
343	American Society of Interventional Pain Physicians (ASIPP) guidelines for responsible opioid prescribing in chronic non-cancer pain: Part I--evidence assessment. <i>Pain Physician</i> , <b>2012</b> , 15, S1-65	1.8	122
342	Predictors and clinical relevance of hemorrhagic transformation after endovascular therapy for anterior circulation large vessel occlusion strokes: a multicenter retrospective analysis of 1122 patients. <i>Journal of NeuroInterventional Surgery</i> , <b>2015</b> , 7, 16-21	7.8	116
341	Responsible, Safe, and Effective Prescription of Opioids for Chronic Non-Cancer Pain: American Society of Interventional Pain Physicians (ASIPP) Guidelines. <i>Pain Physician</i> , <b>2017</b> , 20, S3-S92	1.8	96
340	Vertebroplasty versus sham procedure for painful acute osteoporotic vertebral compression fractures (VERTOS IV): randomised sham controlled clinical trial. <i>BMJ, The</i> , <b>2018</b> , 361, k1551	5.9	92
339	Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke: From the American Association of Neurological Surgeons (AANS), American Society of Neuroradiology (ASNR), Cardiovascular and Interventional Radiology Society of Europe (CIRSE), Canadian Interventional Radiology Association (CIRA), Congress of	2.4	79
338	Do Epidural Injections Provide Short- and Long-term Relief for Lumbar Disc Herniation? A Systematic Review. <i>Clinical Orthopaedics and Related Research</i> , <b>2015</b> , 473, 1940-56 and <i>Interventional Radiology</i> , <b>2018</b> , 29, 111-153	2.2	70
337	Limited reliability of computed tomographic perfusion acute infarct volume measurements compared with diffusion-weighted imaging in anterior circulation stroke. <i>Stroke</i> , <b>2015</b> , 46, 419-24	6.7	70
336	ELVO: an operational definition. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 507-509	7.8	69
335	Acute ischemic stroke: infarct core estimation on CT angiography source images depends on CT angiography protocol. <i>Radiology</i> , <b>2012</b> , 262, 593-604	20.5	69
334	Position statement on percutaneous vertebral augmentation: a consensus statement developed by the Society of Interventional Radiology (SIR), American Association of Neurological Surgeons (AANS) and the Congress of Neurological Surgeons (CNS), American College of Radiology (ACR), American Society of Neuroradiology (ASNR), American Society of Spine Radiology (ASSR), Canadian	2.4	67
333	Unruptured intracranial aneurysms conservatively followed with serial CT angiography: could morphology and growth predict rupture? <i>Journal of NeuroInterventional Surgery</i> , <b>2014</b> , 6, 761-6	7.8	63

332	Epidural Injections for Lumbar Radiculopathy and Spinal Stenosis: A Comparative Systematic Review and Meta-Analysis. <i>Pain Physician</i> , <b>2016</b> , 19, E365-410	1.8	60
331	Does the use of IV tPA in the current era of rapid and predictable recanalization by mechanical embolectomy represent good value?. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 443-6	7.8	58
330	Growth of spinal interventional pain management techniques: analysis of utilization trends and Medicare expenditures 2000 to 2008. <i>Spine</i> , <b>2013</b> , 38, 157-68	3.3	58
329	Blood Pressure and Penumbra Sustenance in Stroke from Large Vessel Occlusion. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 317	4.1	57
328	Position statement on percutaneous vertebral augmentation: a consensus statement developed by the American Society of Interventional and Therapeutic Neuroradiology, Society of Interventional Radiology, American Association of Neurological Surgeons/Congress of Neurological Surgeons, and American Society of Spine Radiology. <i>Journal of Vascular and Interventional Radiology</i> , <b>2007</b> , 18, 325-30	2.4	54
327	A Systematic Review and Best Evidence Synthesis of the Effectiveness of Therapeutic Facet Joint Interventions in Managing Chronic Spinal Pain. <i>Pain Physician</i> , <b>2015</b> , 18, E535-82	1.8	54
326	Analysis of growth of interventional techniques in managing chronic pain in the Medicare population: a 10-year evaluation from 1997 to 2006. <i>Pain Physician</i> , <b>2009</b> , 12, 9-34	1.8	52
325	Delays in the Air or Ground Transfer of Patients for Endovascular Thrombectomy. <i>Stroke</i> , <b>2018</b> , 49, 1419-1425	4.25	51
324	Comparison of the efficacy of saline, local anesthetics, and steroids in epidural and facet joint injections for the management of spinal pain: A systematic review of randomized controlled trials. <i>Surgical Neurology International</i> , <b>2015</b> , 6, S194-235	1	51
323	A critical review of the American Pain Society clinical practice guidelines for interventional techniques: part 2. Therapeutic interventions. <i>Pain Physician</i> , <b>2010</b> , 13, E215-64	1.8	51
322	Efficacy of Epidural Injections in Managing Chronic Spinal Pain: A Best Evidence Synthesis. <i>Pain Physician</i> , <b>2015</b> , 18, E939-1004	1.8	50
321	Prehospital care delivery and triage of stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. <i>Journal of NeuroInterventional Surgery</i> , <b>2017</b> , 9, 802-812	7.8	48
320	Current procedural terminology; a primer. <i>Journal of NeuroInterventional Surgery</i> , <b>2015</b> , 7, 309-12	7.8	48
319	Reducing door-to-puncture times for intra-arterial stroke therapy: a pilot quality improvement project. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e000963	6	48
318	Patient Protection and Affordable Care Act of 2010: reforming the health care reform for the new decade. <i>Pain Physician</i> , <b>2011</b> , 14, E35-67	1.8	48
317	Vertebroplasty and Kyphoplasty for Osteoporotic Vertebral Fractures: What Are the Latest Data?. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 798-806	4.4	46
316	Endovascular Stroke Treatment Outcomes After Patient Selection Based on Magnetic Resonance Imaging and Clinical Criteria. <i>JAMA Neurology</i> , <b>2016</b> , 73, 43-9	17.2	46
315	Efficacy of epidural injections in the treatment of lumbar central spinal stenosis: a systematic review. <i>Anesthesiology and Pain Medicine</i> , <b>2015</b> , 5, e23139	3.5	46

314	A modified approach to grading of evidence. <i>Pain Physician</i> , <b>2014</b> , 17, E319-25	1.8	46
313	MACRA, MIPS, and the New Medicare Quality Payment Program: An Update for Radiologists. <i>Journal of the American College of Radiology</i> , <b>2017</b> , 14, 316-323	3.5	42
312	Placebo and nocebo in interventional pain management: a friend or a foe--or simply foes?. <i>Pain Physician</i> , <b>2011</b> , 14, E157-75	1.8	42
311	Three-Dimensional Printing: An Enabling Technology for IR. <i>Journal of Vascular and Interventional Radiology</i> , <b>2016</b> , 27, 859-65	2.4	41
310	Retrospective cohort study of usage patterns of epidural injections for spinal pain in the US fee-for-service Medicare population from 2000 to 2014. <i>BMJ Open</i> , <b>2016</b> , 6, e013042	3	39
309	Do cervical epidural injections provide long-term relief in neck and upper extremity pain? A systematic review. <i>Pain Physician</i> , <b>2015</b> , 18, 39-60	1.8	39
308	Bibliometric indices: defining academic productivity and citation rates of researchers, departments and journals. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 102-106	7.8	38
307	Management of lumbar zygapophysial (facet) joint pain. <i>World Journal of Orthopedics</i> , <b>2016</b> , 7, 315-37	2.2	38
306	Accountable interventional pain management: a collaboration among practitioners, patients, payers, and government. <i>Pain Physician</i> , <b>2013</b> , 16, E635-70	1.8	37
305	Cerebral Angiography for Evaluation of Patients with CT Angiogram-Negative Subarachnoid Hemorrhage: An 11-Year Experience. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 297-304	4.4	36
304	Endovascular therapy for acute ischemic stroke is indicated and evidence based: a position statement. <i>Journal of NeuroInterventional Surgery</i> , <b>2015</b> , 7, 79-81	7.8	35
303	Vertebral augmentation: report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. <i>Journal of NeuroInterventional Surgery</i> , <b>2014</b> , 6, 7-15	7.8	35
302	Patient Protection and Affordable Care Act of 2010: a primer for neurointerventionalists. <i>Journal of NeuroInterventional Surgery</i> , <b>2012</b> , 4, 141-6	7.8	33
301	ICD-10: History and Context. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 596-9	4.4	33
300	Assessment of methodologic quality of randomized trials of interventional techniques: development of an interventional pain management specific instrument. <i>Pain Physician</i> , <b>2014</b> , 17, E263-90	1.8	33
299	Responsible, Safe, and Effective Use of Biologics in the Management of Low Back Pain: American Society of Interventional Pain Physicians (ASIPP) Guidelines. <i>Pain Physician</i> , <b>2019</b> , 22, S1-S74	1.8	33
298	A survey of intracranial aneurysm treatment practices among United States physicians. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 44-49	7.8	32
297	Epidural steroid warning controversy still dogging FDA. <i>Pain Physician</i> , <b>2014</b> , 17, E451-74	1.8	32

296	Do Regenerative Medicine Therapies Provide Long-Term Relief in Chronic Low Back Pain: A Systematic Review and Metaanalysis. <i>Pain Physician</i> , <b>2018</b> , 21, 515-540	1.8	32
295	MACRA: background, opportunities and challenges for the neurointerventional specialist. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 868-74	7.8	31
294	Platelet function inhibitors and platelet function testing in neurointerventional procedures. <i>Journal of NeuroInterventional Surgery</i> , <b>2014</b> , 6, 567-77	7.8	31
293	An updated assessment of utilization of interventional pain management techniques in the Medicare population: 2000 - 2013. <i>Pain Physician</i> , <b>2015</b> , 18, E115-27	1.8	31
292	A Best-Evidence Systematic Appraisal of the Diagnostic Accuracy and Utility of Facet (Zygapophysial) Joint Injections in Chronic Spinal Pain. <i>Pain Physician</i> , <b>2015</b> , 18, E497-533	1.8	31
291	Systematic Review of the Diagnostic Accuracy and Therapeutic Effectiveness of Sacroiliac Joint Interventions. <i>Pain Physician</i> , <b>2015</b> , 18, E713-56	1.8	31
290	DEFUSE 3 Non-DAWN Patients. <i>Stroke</i> , <b>2019</b> , 50, 618-625	6.7	30
289	A multicenter study evaluating the frequency and time requirement of mechanical thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 235-239	7.8	30
288	Reframing the Prevention Strategies of the Opioid Crisis: Focusing on Prescription Opioids, Fentanyl, and Heroin Epidemic. <i>Pain Physician</i> , <b>2018</b> , 21, 309-326	1.8	30
287	A survey of burnout and professional satisfaction among United States neurointerventionalists. <i>Journal of NeuroInterventional Surgery</i> , <b>2019</b> , 11, 1100-1104	7.8	29
286	The burden of neurothrombectomy call: a multicenter prospective study. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 1143-1148	7.8	29
285	Sustainable Growth Rate Repealed, MACRA Revealed: Historical Context and Analysis of Recent Changes in Medicare Physician Payment Methodologies. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 210-4	4.4	29
284	Vertebral augmentation: update on safety, efficacy, cost effectiveness and increased survival?. <i>Pain Physician</i> , <b>2013</b> , 16, 309-20	1.8	29
283	Utilization of Interventional Techniques in Managing Chronic Pain In Medicare Population from 2000 to 2014: An Analysis of Patterns of Utilization. <i>Pain Physician</i> , <b>2016</b> , 19, E531-46	1.8	28
282	Utilization of Facet Joint and Sacroiliac Joint Interventions in Medicare Population from 2000 to 2014: Explosive Growth Continues!. <i>Current Pain and Headache Reports</i> , <b>2016</b> , 20, 58	4.2	27
281	Cervical radicular pain: the role of interlaminar and transforaminal epidural injections. <i>Current Pain and Headache Reports</i> , <b>2014</b> , 18, 389	4.2	27
280	Predictors of successful palliation of compression fractures with vertebral augmentation: single-center experience of 525 cases. <i>Journal of Vascular and Interventional Radiology</i> , <b>2009</b> , 20, 760-8	2.4	27
279	Opioids in chronic noncancer pain: have we reached a boiling point yet?. <i>Pain Physician</i> , <b>2014</b> , 17, E1-10	1.8	26

278	The Bundled Payments for Care Improvement Initiative. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 547-8	7.8	25
277	MACRA 2.0: are you ready for MIPS?. <i>Journal of NeuroInterventional Surgery</i> , <b>2017</b> , 9, 714-716	7.8	25
276	Neurological complications associated with epidural steroid injections. <i>Current Pain and Headache Reports</i> , <b>2015</b> , 19, 482	4.2	25
275	Cervical zygapophysial (facet) joint pain: effectiveness of interventional management strategies. <i>Postgraduate Medicine</i> , <b>2016</b> , 128, 54-68	3.7	25
274	The RUC: a primer for neurointerventionalists. <i>Journal of NeuroInterventional Surgery</i> , <b>2014</b> , 6, 61-4	7.8	25
273	Standards of practice in acute ischemic stroke intervention: international recommendations. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 1121-1126	7.8	25
272	Thrombectomy for acute ischemic stroke: an evidence-based treatment. <i>Journal of NeuroInterventional Surgery</i> , <b>2015</b> , 7, 314-5	7.8	24
271	Radiation Effective Dose Above 100 mSv From Fluoroscopically Guided Intervention: Frequency and Patient Medical Condition. <i>American Journal of Roentgenology</i> , <b>2020</b> , 215, 433-440	5.4	24
270	Bilateral inferior petrosal sinus sampling: experience in 327 patients. <i>Journal of NeuroInterventional Surgery</i> , <b>2017</b> , 9, 196-199	7.8	23
269	Lessons learned in the abuse of pain-relief medication: a focus on healthcare costs. <i>Expert Review of Neurotherapeutics</i> , <b>2013</b> , 13, 527-43; quiz 544	4.3	23
268	Comparative Analysis of Utilization of Epidural Procedures in Managing Chronic Pain in the Medicare Population: Pre and Post Affordable Care Act. <i>Spine</i> , <b>2019</b> , 44, 220-232	3.3	22
267	Analysis of vertebral augmentation practice patterns: a 2016 update. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 1299-1304	7.8	22
266	Stent-screw-assisted internal fixation: the SAIF technique to augment severe osteoporotic and neoplastic vertebral body fractures. <i>Journal of NeuroInterventional Surgery</i> , <b>2019</b> , 11, 603-609	7.8	22
265	Direct endovascular thrombectomy and bridging strategies for acute ischemic stroke: a network meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , <b>2019</b> , 11, 443-449	7.8	22
264	Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, E61-E76	4.4	22
263	Randomized trial of epidural injections for spinal stenosis published in the New England Journal of Medicine: further confusion without clarification. <i>Pain Physician</i> , <b>2014</b> , 17, E475-88	1.8	22
262	Mortality Outcomes of Vertebral Augmentation (Vertebroplasty and/or Balloon Kyphoplasty) for Osteoporotic Vertebral Compression Fractures: A Systematic Review and Meta-Analysis. <i>Radiology</i> , <b>2020</b> , 295, 96-103	20.5	21
261	Component coding and the neurointerventionalist: a tale with an end. <i>Journal of NeuroInterventional Surgery</i> , <b>2013</b> , 5, 615-9	7.8	21



260	The Spectrum of Neuroimaging Findings on CT and MRI in Adults With COVID-19. <i>American Journal of Roentgenology</i> , <b>2021</b> , 217, 959-974	5.4	21
259	Radiology Malpractice Claims in the United States From 2008 to 2012: Characteristics and Implications. <i>Journal of the American College of Radiology</i> , <b>2016</b> , 13, 124-30	3.5	20
258	Challenges and concerns of persistent opioid use in cancer patients. <i>Expert Review of Anticancer Therapy</i> , <b>2018</b> , 18, 705-718	3.5	20
257	Palliation of compression fractures in cancer patients by vertebral augmentation: a retrospective analysis. <i>Journal of NeuroInterventional Surgery</i> , <b>2010</b> , 2, 221-8	7.8	20
256	Evaluating the safety and effectiveness of percutaneous acetabuloplasty. <i>Journal of NeuroInterventional Surgery</i> , <b>2012</b> , 4, 134-8	7.8	20
255	Reversal of Growth of Utilization of Interventional Techniques in Managing Chronic Pain in Medicare Population Post Affordable Care Act. <i>Pain Physician</i> , <b>2017</b> , 20, 551-567	1.8	20
254	MACRA, Alternative Payment Models, and the Physician-Focused Payment Model: Implications for Radiology. <i>Journal of the American College of Radiology</i> , <b>2017</b> , 14, 744-751	3.5	19
253	The Burwell roadmap. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 544-6	7.8	19
252	Percutaneous sacroplasty. <i>Journal of NeuroInterventional Surgery</i> , <b>2012</b> , 4, 385-9	7.8	19
251	Toward a more inclusive paradigm: thrombectomy for stroke patients with pre-existing disabilities. <i>Journal of NeuroInterventional Surgery</i> , <b>2021</b> , 13, 865-868	7.8	19
250	PQRS and the MACRA: Value-Based Payments Have Moved from Concept to Reality. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 2195-2200	4.4	19
249	Epidural steroid injections safety recommendations by the Multi-Society Pain Workgroup (MPW): more regulations without evidence or clarification. <i>Pain Physician</i> , <b>2014</b> , 17, E575-88	1.8	19
248	A Critical Analysis of Obamacare: Affordable Care or Insurance for Many and Coverage for Few?. <i>Pain Physician</i> , <b>2017</b> , 20, 111-138	1.8	19
247	Bilateral inferior petrosal sinus sampling using desmopressin or corticotropin-releasing hormone: a single-center experience. <i>Journal of NeuroInterventional Surgery</i> , <b>2015</b> , 7, 690-3	7.8	18
246	Therapeutic lumbar facet joint nerve blocks in the treatment of chronic low back pain: cost utility analysis based on a randomized controlled trial. <i>Korean Journal of Pain</i> , <b>2018</b> , 31, 27-38	2.1	18
245	Management of vertebral fragility fractures: a clinical care pathway developed by a multispecialty panel using the RAND/UCLA Appropriateness Method. <i>Spine Journal</i> , <b>2018</b> , 18, 2152-2161	4	18
244	Intra-Arterial Eptifibatid in the Management of Thromboembolism during Endovascular Treatment of Intracranial Aneurysms: Case Series and a Review of the Literature. <i>Interventional Neurology</i> , <b>2013</b> , 2, 19-29	3	18
243	Real-world effects of late window neurothrombectomy: procedure rates increase without night-time bias. <i>Journal of NeuroInterventional Surgery</i> , <b>2020</b> , 12, 460-464	7.8	17

242	COVID-19 and neurointerventional service worldwide: a survey of the European Society of Minimally Invasive Neurological Therapy (ESMINT), the Society of NeuroInterventional Surgery (SNIS), the Sociedad Iberolatinoamericana de Neuroradiologia Diagnostica y Terapeutica (SILAN), the Society of Vascular and Interventional Neurology (SVIN), and the World Federation of	7.8	17
241	Cost Utility Analysis of Cervical Therapeutic Medial Branch Blocks in Managing Chronic Neck Pain. <i>International Journal of Medical Sciences</i> , <b>2017</b> , 14, 1307-1316	3.7	17
240	Zohydro approval by food and drug administration: controversial or frightening?. <i>Pain Physician</i> , <b>2014</b> , 17, E437-50	1.8	17
239	Cost Utility Analysis of Lumbar Interlaminar Epidural Injections in the Treatment of Lumbar Disc Herniation, Central Spinal Stenosis, and Axial or Discogenic Low Back Pain. <i>Pain Physician</i> , <b>2017</b> , 20, 219-228	1.8	17
238	Therapeutic Role of Placebo: Evolution of a New Paradigm in Understanding Research and Clinical Practice. <i>Pain Physician</i> , <b>2017</b> , 20, 363-386	1.8	17
237	Thrombectomy stroke centers: The current threat to regionalizing stroke care. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 99-101	7.8	16
236	Accountable Care Organizations: what they mean for the country and for neurointerventionalists. <i>Journal of NeuroInterventional Surgery</i> , <b>2016</b> , 8, 654-7	7.8	16
235	What is the role of vertebral augmentation for osteoporotic fractures? A review of the recent literature. <i>Neuroradiology</i> , <b>2018</b> , 60, 777-783	3.2	16
234	Diagnostic carotid and cerebral angiography: a historical summary of the evolving changes in coding and reimbursement in a complex procedure family. <i>Journal of NeuroInterventional Surgery</i> , <b>2014</b> , 6, 712-7	7.8	16
233	White Matter Acute Infarct Volume After Thrombectomy for Anterior Circulation Large Vessel Occlusion Stroke is Associated with Long Term Outcomes. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 30, 105567	2.8	16
232	Expanding the social media presence of the Journal of Neurointerventional Surgery: editor's report. <i>Journal of NeuroInterventional Surgery</i> , <b>2017</b> , 9, 215-218	7.8	15
231	Large-vessel occlusion stroke after cardiothoracic surgery: Expanding time windows offer new salvage opportunities. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 158, 186-196.e2	1.5	15
230	An update on the management of chronic lumbar discogenic pain. <i>Pain Management</i> , <b>2015</b> , 5, 373-86	2.3	15
229	The evidentiary basis of vertebral augmentation: a 2019 update. <i>Journal of NeuroInterventional Surgery</i> , <b>2020</b> , 12, 442-447	7.8	15
228	Outcomes of endovascular thrombectomy with and without bridging thrombolysis for acute large vessel occlusion ischaemic stroke. <i>Internal Medicine Journal</i> , <b>2019</b> , 49, 345-351	1.6	15
227	COVID-19 and the Opioid Epidemic: Two Public Health Emergencies That Intersect With Chronic Pain. <i>Pain and Therapy</i> , <b>2021</b> , 10, 269-286	3.6	15
226	Standards of Practice in Acute Ischemic Stroke Intervention: International Recommendations. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, E112-E117	4.4	15
225	An Update of the Systematic Appraisal of the Accuracy and Utility of Discography in Chronic Spinal Pain. <i>Pain Physician</i> , <b>2018</b> , 21, 91-110	1.8	15



224	Rescue Intracranial Stenting After Failed Mechanical Thrombectomy for Acute Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , <b>2019</b> , 132, e235-e245	2.1	14
223	Changes in Interventional Radiology Practice in a Tertiary Academic Center in the United States During the Coronavirus Disease 2019 (COVID-19) Pandemic. <i>Journal of the American College of Radiology</i> , <b>2020</b> , 17, 873-877	3.5	14
222	Lessons for Better Pain Management in the Future: Learning from the Past. <i>Pain and Therapy</i> , <b>2020</b> , 9, 373-391	3.6	14
221	The Hydrogel Endovascular Aneurysm Treatment Trial (HEAT): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil. <i>Neurosurgery</i> , <b>2020</b> , 86, 615-624	3.2	14
220	The case against a randomized trial of unruptured brain arteriovenous malformations: misinterpretation of a flawed study. <i>Stroke</i> , <b>2014</b> , 45, 2808-10	6.7	14
219	Preserving Access: A Review of Stroke Thrombectomy during the COVID-19 Pandemic. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 1136-1141	4.4	14
218	The Armed concreteApproach: stent-screw-assisted internal fixation (SAIF) reconstructs and internally fixates the most severe osteoporotic vertebral fractures. <i>Journal of NeuroInterventional Surgery</i> , <b>2021</b> , 13, 63-68	7.8	14
217	Patient selection for mechanical thrombectomy in posterior circulation emergent large-vessel occlusion. <i>Interventional Neuroradiology</i> , <b>2018</b> , 24, 309-316	1.9	14
216	Obama health care for all Americans: practical implications. <i>Pain Physician</i> , <b>2009</b> , 12, 289-304	1.8	14
215	Necessity and implications of ICD-10: facts and fallacies. <i>Pain Physician</i> , <b>2011</b> , 14, E405-25	1.8	14
214	Development of an interventional pain management specific instrument for methodologic quality assessment of nonrandomized studies of interventional techniques. <i>Pain Physician</i> , <b>2014</b> , 17, E291-317	1.8	14
213	The Proposed MACRA/MIPS Threshold for Patient-Facing Encounters: What It Means for Radiologists. <i>Journal of the American College of Radiology</i> , <b>2017</b> , 14, 308-315	3.5	13
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