

Joshua A Hirsch

List of Publications by Year in descending order

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Version: 2024-02-01

375
papers

10,528
citations

53660

45
h-index

53109

85
g-index

379
all docs

379
docs citations

379
times ranked

10434
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 2650-2663.	1.0	1,264
2	Occurrence of New Vertebral Body Fracture after Percutaneous Vertebroplasty in Patients with Osteoporosis. <i>Radiology</i> , 2003, 226, 119-124.	3.6	531
3	Epidemiology of Low Back Pain in Adults. <i>Neuromodulation</i> , 2014, 17, 3-10.	0.4	403
4	Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 441-453.	0.2	403
5	An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain. Part II: guidance and recommendations. <i>Pain Physician</i> , 2013, 16, S49-283.	0.3	259
6	American Society of Interventional Pain Physicians (ASIPP) guidelines for responsible opioid prescribing in chronic non-cancer pain: Part 2—guidance. <i>Pain Physician</i> , 2012, 15, S67-116.	0.3	229
7	Infarct Volume Is a Pivotal Biomarker After Intra-Arterial Stroke Therapy. <i>Stroke</i> , 2012, 43, 1323-1330.	1.0	196
8	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> , 2015, 7, 16-21.	2.0	165
9	Vertebroplasty versus sham procedure for painful acute osteoporotic vertebral compression fractures (VERTOS IV): randomised sham controlled clinical trial. <i>BMJ: British Medical Journal</i> , 2018, 361, k1551.	2.4	144
10	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> , 2012, 15, S1-65.	0.3	127
11	Responsible, Safe, and Effective Prescription of Opioids for Chronic Non-Cancer Pain: American Society of Interventional Pain Physicians (ASIPP) Guidelines. <i>Pain Physician</i> , 2017, 20, S3-S92.	0.3	116
12	Limited Reliability of Computed Tomographic Perfusion Acute Infarct Volume Measurements Compared With Diffusion-Weighted Imaging in Anterior Circulation Stroke. <i>Stroke</i> , 2015, 46, 419-424.	1.0	85
13	Do Epidural Injections Provide Short- and Long-term Relief for Lumbar Disc Herniation? A Systematic Review. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1940-1956.	0.7	85
14	ICD-10: History and Context. <i>American Journal of Neuroradiology</i> , 2016, 37, 596-599.	1.2	85
15	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 Interventional Radiology Association (CIRA), and the Society of NeuroInterventional Surgery (SNIS). <i>Journal of Vascular and Interventional Radiology</i> . 2014, 25, 171-181.	0.2	84
16	Blood Pressure and Penumbral Sustenance in Stroke from Large Vessel Occlusion. <i>Frontiers in Neurology</i> , 2017, 8, 317.	1.1	83
17	Vertebroplasty and Kyphoplasty for Osteoporotic Vertebral Fractures: What Are the Latest Data?. <i>American Journal of Neuroradiology</i> , 2018, 39, 798-806.	1.2	80
18	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> , 2016, 8, 443-446.	2.0	78

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19	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> , 2007, 18, 325-330.	0.2	76
20	Growth of Spinal Interventional Pain Management Techniques. <i>Spine</i> , 2013, 38, 157-168.	1.0	75
21	Acute Ischemic Stroke: Infarct Core Estimation on CT Angiography Source Images Depends on CT Angiography Protocol. <i>Radiology</i> , 2012, 262, 593-604.	3.6	74
22	Unruptured intracranial aneurysms conservatively followed with serial CT angiography: could morphology and growth predict rupture?. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 761-766.	2.0	74
23	ELVO: an operational definition. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 507-509.	2.0	74
24	Mortality Outcomes of Vertebral Augmentation (Vertebroplasty and/or Balloon Kyphoplasty) for Osteoporotic Vertebral Compression Fractures: A Systematic Review and Meta-Analysis. <i>Radiology</i> , 2020, 295, 96-103.	3.6	74
25	Current procedural terminology; a primer. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 309-312.	2.0	72
26	Reducing Door-to-Puncture Times for Intra-Arterial Stroke Therapy: A Pilot Quality Improvement Project. <i>Journal of the American Heart Association</i> , 2014, 3, e000963.	1.6	69
27	Delays in the Air or Ground Transfer of Patients for Endovascular Thrombectomy. <i>Stroke</i> , 2018, 49, 1419-1425.	1.0	68
28	Efficacy of Epidural Injections in the Treatment of Lumbar Central Spinal Stenosis; A Systematic Review. <i>Anesthesiology and Pain Medicine</i> , 2015, 5, e23139.	0.5	65
29	A Systematic Review and Best Evidence Synthesis of the Effectiveness of Therapeutic Facet Joint Interventions in Managing Chronic Spinal Pain. <i>Pain Physician</i> , 2015, 18, E535-82.	0.3	65
30	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. , 2015, 6, 194.		62
31	Epidural Injections for Lumbar Radiculopathy and Spinal Stenosis: A Comparative Systematic Review and Meta-Analysis. <i>Pain Physician</i> , 2016, 19, E365-410.	0.3	62
32	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> , 2017, 9, 802-812.	2.0	61
33	Endovascular Stroke Treatment Outcomes After Patient Selection Based on Magnetic Resonance Imaging and Clinical Criteria. <i>JAMA Neurology</i> , 2016, 73, 43.	4.5	58
34	The Spectrum of Neuroimaging Findings on CT and MRI in Adults With COVID-19. <i>American Journal of Roentgenology</i> , 2021, 217, 959-974.	1.0	57
35	Bibliometric indices: defining academic productivity and citation rates of researchers, departments and journals. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 102-106.	2.0	55
36	COVID-19 and the Opioid Epidemic: Two Public Health Emergencies That Intersect With Chronic Pain. <i>Pain and Therapy</i> , 2021, 10, 269-286.	1.5	55

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37	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> , 2009, 12, 9-34.	0.3	54
38	A critical review of the American Pain Society clinical practice guidelines for interventional techniques: part 2. Therapeutic interventions. <i>Pain Physician</i> , 2010, 13, E215-64.	0.3	54
39	Should neurointerventional fellowship training be suspended indefinitely?. <i>Journal of NeuroInterventional Surgery</i> , 2012, 4, 315-318.	2.0	53
40	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> , 2016, 6, e013042.	0.8	53
41	Efficacy of Epidural Injections in Managing Chronic Spinal Pain: A Best Evidence Synthesis. <i>Pain Physician</i> , 2015, 18, E939-1004.	0.3	52
42	Management of lumbar zygapophysial (facet) joint pain. <i>World Journal of Orthopedics</i> , 2016, 7, 315.	0.8	51
43	Three-Dimensional Printing: An Enabling Technology for IR. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 859-865.	0.2	50
44	Patient Protection and Affordable Care Act of 2010: reforming the health care reform for the new decade. <i>Pain Physician</i> , 2011, 14, E35-67.	0.3	50
45	Cerebral Angiography for Evaluation of Patients with CT Angiogram-Negative Subarachnoid Hemorrhage: An 11-Year Experience. <i>American Journal of Neuroradiology</i> , 2016, 37, 297-304.	1.2	49
46	MACRA, MIPS, and the New Medicare Quality Payment Program: An Update for Radiologists. <i>Journal of the American College of Radiology</i> , 2017, 14, 316-323.	0.9	49
47	A survey of intracranial aneurysm treatment practices among United States physicians. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 44-49.	2.0	48
48	A modified approach to grading of evidence. <i>Pain Physician</i> , 2014, 17, E319-25.	0.3	48
49	Do cervical epidural injections provide long-term relief in neck and upper extremity pain? A systematic review. <i>Pain Physician</i> , 2015, 18, 39-60.	0.3	47
50	Toward a more inclusive paradigm: thrombectomy for stroke patients with pre-existing disabilities. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 865-868.	2.0	45
51	Vertebral augmentation: report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 7-15.	2.0	44
52	Patient Protection and Affordable Care Act of 2010: a primer for NeuroInterventionalists. <i>Journal of NeuroInterventional Surgery</i> , 2012, 4, 141-146.	2.0	43
53	A survey of burnout and professional satisfaction among United States neurointerventionalists. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 1100-1104.	2.0	43
54	Placebo and nocebo in interventional pain management: a friend or a foe—or simply foes?. <i>Pain Physician</i> , 2011, 14, E157-75.	0.3	42

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55	Endovascular therapy for acute ischemic stroke is indicated and evidence based: a position statement. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 79-81.	2.0	41
56	Rescue Intracranial Stenting After Failed Mechanical Thrombectomy for Acute Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 132, e235-e245.	0.7	41
57	The Hydrogel Endovascular Aneurysm Treatment Trial (HEAT): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil. <i>Neurosurgery</i> , 2020, 86, 615-624.	0.6	41
58	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> , 2016, 20, 58.	1.3	40
59	Standards of practice in acute ischemic stroke intervention: international recommendations. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 1121-1126.	2.0	40
60	DEFUSE 3 Non-DAWN Patients. <i>Stroke</i> , 2019, 50, 618-625.	1.0	40
61	Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2018, 39, E61-E76.	1.2	39
62	Do Regenerative Medicine Therapies Provide Long-Term Relief in Chronic Low Back Pain: A Systematic Review and Metaanalysis. <i>Pain Physician</i> , 2018, 21, 515-540.	0.3	39
63	Predictors of Successful Palliation of Compression Fractures with Vertebral Augmentation: Single-center Experience of 525 Cases. <i>Journal of Vascular and Interventional Radiology</i> , 2009, 20, 760-768.	0.2	37
64	Platelet function inhibitors and platelet function testing in neurointerventional procedures: Table 1. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, 567-577.	2.0	37
65	Cervical Radicular Pain: The Role of Interlaminar and Transforaminal Epidural Injections. <i>Current Pain and Headache Reports</i> , 2014, 18, 389.	1.3	37
66	Bilateral inferior petrosal sinus sampling: experience in 327 patients. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 196-199.	2.0	37
67	Stent-screw-assisted internal fixation: the SAIF technique to augment severe osteoporotic and neoplastic vertebral body fractures. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 603-609.	2.0	37
68	Radiation Effective Dose Above 100 mSv From Fluoroscopically Guided Intervention: Frequency and Patient Medical Condition. <i>American Journal of Roentgenology</i> , 2020, 215, 433-440.	1.0	37
69	Accountable interventional pain management: a collaboration among practitioners, patients, payers, and government. <i>Pain Physician</i> , 2013, 16, E635-70.	0.3	37
70	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> , 2019, 22, S1-S74.	0.3	37
71	Management of vertebral fragility fractures: a clinical care pathway developed by a multispecialty panel using the RAND/UCLA Appropriateness Method. <i>Spine Journal</i> , 2018, 18, 2152-2161.	0.6	36
72	Systematic Review of the Diagnostic Accuracy and Therapeutic Effectiveness of Sacroiliac Joint Interventions. <i>Pain Physician</i> , 2015, 18, E713-56.	0.3	36

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73	MACRA: background, opportunities and challenges for the neurointerventional specialist. Journal of NeuroInterventional Surgery, 2016, 8, 868-874.	2.0	35
74	Assessment of methodologic quality of randomized trials of interventional techniques: development of an interventional pain management specific instrument. Pain Physician, 2014, 17, E263-90.	0.3	34
75	Epidural steroid warning controversy still dogging FDA. Pain Physician, 2014, 17, E451-74.	0.3	34
76	Reframing the Prevention Strategies of the Opioid Crisis: Focusing on Prescription Opioids, Fentanyl, and Heroin Epidemic. Pain Physician, 2018, 21, 309-326.	0.3	34
77	The RUC: a primer for neurointerventionalists: Table 1. Journal of NeuroInterventional Surgery, 2014, 6, 61-64.	2.0	33
78	Neurological Complications Associated with Epidural Steroid Injections. Current Pain and Headache Reports, 2015, 19, 482.	1.3	33
79	Cervical zygapophysial (facet) joint pain: effectiveness of interventional management strategies. Postgraduate Medicine, 2016, 128, 54-68.	0.9	33
80	Sustainable Growth Rate Repealed, MACRA Revealed: Historical Context and Analysis of Recent Changes in Medicare Physician Payment Methodologies. American Journal of Neuroradiology, 2016, 37, 210-214.	1.2	33
81	A multicenter study evaluating the frequency and time requirement of mechanical thrombectomy. Journal of NeuroInterventional Surgery, 2018, 10, 235-239.	2.0	33
82	An updated assessment of utilization of interventional pain management techniques in the Medicare population: 2000 - 2013. Pain Physician, 2015, 18, E115-27.	0.3	33
83	A Critical Analysis of Obamacare: Affordable Care or Insurance for Many and Coverage for Few?. Pain Physician, 2017, 20, 111-138.	0.3	33
84	MACRA 2.0: are you ready for MIPS?. Journal of NeuroInterventional Surgery, 2017, 9, 714-716.	2.0	32
85	Radiology Malpractice Claims in the United States From 2008 to 2012: Characteristics and Implications. Journal of the American College of Radiology, 2016, 13, 124-130.	0.9	31
86	The Bundled Payments for Care Improvement Initiative. Journal of NeuroInterventional Surgery, 2016, 8, 547-548.	2.0	31
87	Vertebral augmentation: update on safety, efficacy, cost effectiveness and increased survival?. Pain Physician, 2013, 16, 309-20.	0.3	31
88	A Best-Evidence Systematic Appraisal of the Diagnostic Accuracy and Utility of Facet (Zygapophysial) Joint Injections in Chronic Spinal Pain. Pain Physician, 2015, 18, E497-533.	0.3	31
89	Utilization of Interventional Techniques in Managing Chronic Pain In Medicare Population from 2000 to 2014: An Analysis of Patterns of Utilization. Pain Physician, 2016, 19, E531-46.	0.3	31
90	The burden of neurothrombectomy call: a multicenter prospective study. Journal of NeuroInterventional Surgery, 2018, 10, 1143-1148.	2.0	30

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91	What is the role of vertebral augmentation for osteoporotic fractures? A review of the recent literature. <i>Neuroradiology</i> , 2018, 60, 777-783.	1.1	30
92	Comparative Analysis of Utilization of Epidural Procedures in Managing Chronic Pain in the Medicare Population. <i>Spine</i> , 2019, 44, 220-232.	1.0	30
93	Direct endovascular thrombectomy and bridging strategies for acute ischemic stroke: a network meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 443-449.	2.0	30
94	Infarct Growth despite Endovascular Thrombectomy Recanalization in Large Vessel Occlusive Stroke. <i>Journal of Neuroimaging</i> , 2021, 31, 155-164.	1.0	29
95	Bilateral inferior petrosal sinus sampling using desmopressin or corticotropin-releasing hormone: a single-center experience. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 690-693.	2.0	28
96	The evidentiary basis of vertebral augmentation: a 2019 update. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 442-447.	2.0	28
97	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> , 2021, 30, 105567.	0.7	28
98	Opioids in chronic noncancer pain: have we reached a boiling point yet?. <i>Pain Physician</i> , 2014, 17, E1-10.	0.3	28
99	Lessons learned in the abuse of pain-relief medication: a focus on healthcare costs. <i>Expert Review of Neurotherapeutics</i> , 2013, 13, 527-544.	1.4	27
100	Thrombectomy for acute ischemic stroke: an evidence-based treatment: Table 1. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 314-315.	2.0	26
101	Patient selection for mechanical thrombectomy in posterior circulation emergent large-vessel occlusion. <i>Interventional Neuroradiology</i> , 2018, 24, 309-316.	0.7	26
102	Lessons for Better Pain Management in the Future: Learning from the Past. <i>Pain and Therapy</i> , 2020, 9, 373-391.	1.5	26
103	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 Neuroradiología Diagnóstica y Terapéutica (SILAN), the Society of Vascular and Interventional Neurology (SVIN), and the World Federation of Interventional and Therapeutic Neuroradiology (WFITN). <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 726-730.	2.0	26
104	The 'armed concrete' approach: stent-screw-assisted internal fixation (SAIF) reconstructs and internally fixates the most severe osteoporotic vertebral fractures. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 63-68.	2.0	26
105	21st Century Cures Act: Patient-Facing Implications of Information Blocking. <i>Journal of the American College of Radiology</i> , 2021, 18, 1012-1016.	0.9	26
106	Component coding and the neurointerventionalist: a tale with an end. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 615-619.	2.0	25
107	The tribulations of stroke trials. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 181-183.	2.0	25
108	Analysis of vertebral augmentation practice patterns: a 2016 update. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 1299-1304.	2.0	25

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109	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> , 2018, 31, 27-38.	0.8	25
110	A Program Director's Guide to Cultivating Diversity and Inclusion in Radiology Residency Recruitment. <i>Academic Radiology</i> , 2020, 27, 864-867.	1.3	25
111	Novel Coronavirus: What Neuroradiologists as Citizens of the World Need to Know. <i>American Journal of Neuroradiology</i> , 2020, 41, 552-554.	1.2	25
112	Palliation of compression fractures in cancer patients by vertebral augmentation: a retrospective analysis. <i>Journal of NeuroInterventional Surgery</i> , 2010, 2, 221-228.	2.0	24
113	Ready or not! Here comes ICD-10. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 86-91.	2.0	24
114	Outcomes of endovascular thrombectomy with and without bridging thrombolysis for acute large vessel occlusion ischaemic stroke. <i>Internal Medicine Journal</i> , 2019, 49, 345-351.	0.5	24
115	Chronic low back pain, bacterial infection and treatment with antibiotics. <i>Spine Journal</i> , 2021, 21, 903-914.	0.6	24
116	Randomized trial of epidural injections for spinal stenosis published in the <i>New England Journal of Medicine</i> : further confusion without clarification. <i>Pain Physician</i> , 2014, 17, E475-88.	0.3	24
117	Expanding the social media presence of the <i>Journal of NeuroInterventional Surgery</i> : editor's report. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 215-218.	2.0	23
118	Cost Utility Analysis of Cervical Therapeutic Medial Branch Blocks in Managing Chronic Neck Pain. <i>International Journal of Medical Sciences</i> , 2017, 14, 1307-1316.	1.1	23
119	Thrombectomy stroke centers: The current threat to regionalizing stroke care. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 99-101.	2.0	23
120	Trends in academic productivity in the COVID-19 era: analysis of neurosurgical, stroke neurology, and neurointerventional literature. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 1049-1052.	2.0	23
121	Number Needed to Treat with Vertebral Augmentation to Save a Life. <i>American Journal of Neuroradiology</i> , 2020, 41, 178-182.	1.2	23
122	Evaluating the safety and effectiveness of percutaneous acetabuloplasty. <i>Journal of NeuroInterventional Surgery</i> , 2012, 4, 134-138.	2.0	22
123	MACRA, Alternative Payment Models, and the Physician-Focused Payment Model: Implications for Radiology. <i>Journal of the American College of Radiology</i> , 2017, 14, 744-751.	0.9	22
124	Challenges and concerns of persistent opioid use in cancer patients. <i>Expert Review of Anticancer Therapy</i> , 2018, 18, 705-718.	1.1	22
125	Endovascular Thrombectomy for Low ASPECTS Large Vessel Occlusion Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 612-619.	0.3	22
126	Reversal of Growth of Utilization of Interventional Techniques in Managing Chronic Pain in Medicare Population Post Affordable Care Act. <i>Pain Physician</i> , 2017, 20, 551-567.	0.3	22

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127	Percutaneous sacroplasty. <i>Journal of NeuroInterventional Surgery</i> , 2012, 4, 385-389.	2.0	21
128	The Case Against A Randomized Trial of Unruptured Brain Arteriovenous Malformations. <i>Stroke</i> , 2014, 45, 2808-2810.	1.0	21
129	The professional and personal impact of the coronavirus pandemic on US neurointerventional practices: a nationwide survey. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 927-931.	2.0	21
130	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> , 2020, 17, 873-877.	0.9	21
131	Optimal Brain MRI Protocol for New Neurological Complaint. <i>PLoS ONE</i> , 2014, 9, e110803.	1.1	20
132	PQRS and the MACRA: Value-Based Payments Have Moved from Concept to Reality. <i>American Journal of Neuroradiology</i> , 2016, 37, 2195-2200.	1.2	20
133	Current Procedural Terminology: History, Structure, and Relationship to Valuation for the Neuroradiologist. <i>American Journal of Neuroradiology</i> , 2016, 37, 1972-1976.	1.2	20
134	The Burwell roadmap. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 544-546.	2.0	20
135	Large-vessel occlusion stroke after cardiothoracic surgery: Expanding time windows offer new salvage opportunities. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 186-196.e2.	0.4	20
136	Radiation Dose Monitoring for Fluoroscopically Guided Interventional Procedures: Effect on Patient Radiation Exposure. <i>Radiology</i> , 2019, 290, 744-749.	3.6	20
137	Effective Dose Assessment for Patients Undergoing Contemporary Fluoroscopically Guided Interventional Procedures. <i>American Journal of Roentgenology</i> , 2020, 214, 158-170.	1.0	20
138	CTA Protocols in a Telestroke Network Improve Efficiency for Both Spoke and Hub Hospitals. <i>American Journal of Neuroradiology</i> , 2021, 42, 435-440.	1.2	20
139	Epidural steroid injections safety recommendations by the Multi-Society Pain Workgroup (MPW): more regulations without evidence or clarification. <i>Pain Physician</i> , 2014, 17, E575-88.	0.3	20
140	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> , 2017, 20, 219-228.	0.3	20
141	Intra-Arterial Eptifibatide in the Management of Thromboembolism during Endovascular Treatment of Intracranial Aneurysms: Case Series and a Review of the Literature. <i>Interventional Neurology</i> , 2013, 2, 19-29.	1.8	19
142	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> , 2014, 6, 712-717.	2.0	19
143	Standards of Practice in Acute Ischemic Stroke Intervention: International Recommendations. <i>American Journal of Neuroradiology</i> , 2018, 39, E112-E117.	1.2	19
144	Number needed to treat: A primer for neurointerventionalists. <i>Interventional Neuroradiology</i> , 2019, 25, 613-618.	0.7	19

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145	Influence of ASPECTS and endovascular thrombectomy in acute ischemic stroke: a meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, 664-669.	2.0	19
146	Real-world effects of late window neurothrombectomy: procedure rates increase without night-time bias. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 460-464.	2.0	19
147	Therapeutic Role of Placebo: Evolution of a New Paradigm in Understanding Research and Clinical Practice. <i>Pain Physician</i> , 2017, 20, 363-386.	0.3	19
148	Sustainable growth rate 2013: time for definitive intervention. <i>Journal of NeuroInterventional Surgery</i> , 2013, 5, 382-386.	2.0	18
149	An update on the management of chronic lumbar discogenic pain. <i>Pain Management</i> , 2015, 5, 373-386.	0.7	18
150	Multimodal cerebral arteriovenous malformation treatment: a 12-year experience and comparison of key outcomes to ARUBA. <i>Journal of Neurosurgery</i> , 2020, 133, 1792-1801.	0.9	18
151	An Update of the Systematic Appraisal of the Accuracy and Utility of Discography in Chronic Spinal Pain. <i>Pain Physician</i> , 2018, 21, 91-110.	0.3	18
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