

Robert E Harbaugh

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8908033/robert-e-harbaugh-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

6,723
citations

34
h-index

81
g-index

149
ext. papers

7,457
ext. citations

3.7
avg, IF

5.11
L-index

#	Paper	IF	Citations
134	Harmonized outcome measures for use in degenerative lumbar spondylolisthesis patient registries and clinical practice. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-9	2.8	
133	Commentary on: Chiropractic associated vertebral artery dissection: An analysis of 34 patients amongst a cohort of 310. <i>Clinical Neurology and Neurosurgery</i> , 2021 , 207, 106790	2	
132	Launching the Quality Outcomes Database Tumor Registry: rationale, development, and pilot data. <i>Journal of Neurosurgery</i> , 2021 , 1-10	3.2	1
131	Time trend analysis of database and registry use in the neurosurgical literature: evidence for the advance of registry science.. <i>Journal of Neurosurgery</i> , 2021 , 1-6	3.2	1
130	Reply. <i>Journal of Vascular Surgery</i> , 2020 , 72, 384-385	3.5	
129	Quality Outcomes Database Spine Care Project 2012-2020: milestones achieved in a collaborative North American outcomes registry to advance value-based spine care and evolution to the American Spine Registry. <i>Neurosurgical Focus</i> , 2020 , 48, E2	4.2	14
128	Introduction. Evolution of the Science of Practice. <i>Neurosurgical Focus</i> , 2020 , 48, E1	4.2	0
127	How the science of practice will improve evidence-based care. <i>Neurosurgical Focus</i> , 2020 , 48, E7	4.2	2
126	Rectifying the misconceptions about current best management of asymptomatic carotid stenosis is not about revising history. <i>Journal of Vascular Surgery</i> , 2020 , 72, 765-767	3.5	
125	Misconceptions regarding the adequacy of best medical intervention alone for asymptomatic carotid stenosis. <i>Journal of Vascular Surgery</i> , 2020 , 71, 257-269	3.5	27
124	Does Neck Disability Index Correlate With 12-Month Satisfaction After Elective Surgery for Cervical Radiculopathy? Results From a National Spine Registry. <i>Neurosurgery</i> , 2020 , 86, 736-741	3.2	5
123	Predictive Model for Medical and Surgical Readmissions Following Elective Lumbar Spine Surgery: A National Study of 33,674 Patients. <i>Spine</i> , 2019 , 44, 588-600	3.3	20
122	Commentary on: A risk-benefit assessment strategy to exclude cervical artery dissection in spinal manual therapy: a comprehensive review. <i>Annals of Medicine</i> , 2019 , 51, 330-331	1.5	1
121	Achieving Success in Quality Reporting 2019 , 385-395		
120	Gamma Knife radiosurgery of saccular aneurysms in a rabbit model. <i>Journal of Neurosurgery</i> , 2018 , 129, 1530-1540	3.2	6
119	Introduction. Predictive analytics in medicine. <i>Neurosurgical Focus</i> , 2018 , 45, E1	4.2	3
118	Letter to the Editor. Activity versus injury: further defining the risk/benefit ratio in the Neurosurgery Charity Softball Tournament. <i>Journal of Neurosurgery</i> , 2018 , 130, 333-334	3.2	

117	External ventricular drain practice variations: results from a nationwide survey. <i>Journal of Neurosurgery</i> , 2017 , 127, 1190-1197	3.2	15
116	A Review and Survey of Neurosurgeon-Hospital Relationships: Evolution and Options. <i>Neurosurgery</i> , 2017 , 80, S10-S18	3.2	6
115	The Impact of Neurophysiological Intraoperative Monitoring during Spinal Cord and Spine Surgery: A Critical Analysis of 121 Cases. <i>Cureus</i> , 2017 , 9, e1861	1.2	8
114	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. <i>Neurosurgery</i> , 2017 , 80, S75-S82	3.2	17
113	Training Standards in Neuroendovascular Surgery: Program Accreditation and Practitioner Certification. <i>Stroke</i> , 2017 , 48, 2318-2325	6.7	34
112	In Reply: Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement From 6 Programs. <i>Neurosurgery</i> , 2017 , 81, E47	3.2	1
111	Optimizing the Definitions of Stroke, Transient Ischemic Attack, and Infarction for Research and Application in Clinical Practice. <i>Frontiers in Neurology</i> , 2017 , 8, 537	4.1	31
110	Inception of a national multidisciplinary registry for stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2016 , 124, 155-62	3.2	27
109	Assessment of image-derived risk factors for natural course of unruptured cerebral aneurysms. <i>Journal of Neurosurgery</i> , 2016 , 124, 288-95	3.2	22
108	Systematic Review and Meta-analysis of Chiropractic Care and Cervical Artery Dissection: No Evidence for Causation. <i>Cureus</i> , 2016 , 8, e498	1.2	33
107	Subarachnoid Hemorrhage: A Sharp Needle in a Haystack. <i>Academic Emergency Medicine</i> , 2016 , 23, 1077-94	3.4	3
106	Letter to the Editor: Does physician specialty really matter?. <i>Journal of Neurosurgery</i> , 2016 , 125, 523-4	3.2	
105	Stratification of a population of intracranial aneurysms using blood flow metrics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 1072-1082	2.1	9
104	Nanosensor system for monitoring brain activity and drowsiness 2015 ,		1
103	Volumetric brain analysis in neurosurgery: Part 3. Volumetric CT analysis as a predictor of seizure outcome following temporal lobectomy. <i>Journal of Neurosurgery: Pediatrics</i> , 2015 , 15, 133-43	2.1	7
102	The 2015 AANS Presidential Address: Neurosurgery's founding principles. <i>Journal of Neurosurgery</i> , 2015 , 123, 1351-7	3.2	3
101	Neurosurgery Knowledge Update 2015 ,		3
100	Nano- Bio- Textile Sensors with Mobile Wireless Platform for Wearable Health Monitoring of Neurological and Cardiovascular Disorders. <i>Journal of the Electrochemical Society</i> , 2014 , 161, B3116-B3130	3.9	52

99	Wearable Wireless Cardiovascular Monitoring Using Textile-Based Nanosensor and Nanomaterial Systems. <i>Electronics (Switzerland)</i> , 2014 , 3, 504-520	2.6	51
98	Surgical advances for extracranial carotid stenosis. <i>Neurosurgery</i> , 2014 , 74 Suppl 1, S83-91	3.2	2
97	Impact of improved documentation on an academic neurosurgical practice. <i>Journal of Neurosurgery</i> , 2014 , 120, 756-63	3.2	17
96	Neural activity based biofeedback therapy for Autism spectrum disorder through wearable wireless textile EEG monitoring system 2014 ,		5
95	AVM Management Equipoise Survey: physician opinions regarding the management of brain arteriovenous malformations. <i>Journal of NeuroInterventional Surgery</i> , 2014 , 6, 748-53	7.8	17
94	Smart e-Textile-Based Nanosensors for Cardiac Monitoring with Smart Phone and Wireless Mobile Platform. <i>Springer Tracts in Mechanical Engineering</i> , 2014 , 387-401	0.3	1
93	Sensitivity of Quantified Intracranial Aneurysm Geometry to Imaging Modality. <i>Cardiovascular Engineering and Technology</i> , 2013 , 4, 75-86	2.2	10
92	Nonoperative management of odontoid fractures: a review of 59 cases. <i>Clinical Neurology and Neurosurgery</i> , 2013 , 115, 1653-6	2	13
91	The future of practice science: challenges and opportunities for neurosurgery. <i>Neurosurgical Focus</i> , 2013 , 34, E8	4.2	14
90	Why calls for more routine carotid stenting are currently inappropriate: an international, multispecialty, expert review and position statement. <i>Stroke</i> , 2013 , 44, 1186-90	6.7	38
89	Neurological surgery milestones. <i>Journal of Graduate Medical Education</i> , 2013 , 5, 24-35	1.6	24
88	On the role of modeling choices in estimation of cerebral aneurysm wall tension. <i>Journal of Biomechanics</i> , 2012 , 45, 2914-9	2.9	6
87	Why the United States Center for Medicare and Medicaid Services (CMS) should not extend reimbursement indications for carotid artery angioplasty/stenting. <i>Brain and Behavior</i> , 2012 , 2, 200-7	3.4	3
86	Why the United States Center for Medicare and Medicaid Services should not extend reimbursement indications for carotid artery angioplasty/stenting. <i>Vascular</i> , 2012 , 20, 1-7	1.3	1
85	Why the US Center for Medicare and Medicaid Services should not extend reimbursement indications for carotid artery angioplasty/stenting. <i>Angiology</i> , 2012 , 63, 639-44	2.1	3
84	The Albumin in Subarachnoid Hemorrhage (ALISAH) multicenter pilot clinical trial: safety and neurologic outcomes. <i>Stroke</i> , 2012 , 43, 683-90	6.7	64
83	Intracellular signaling pathways and size, shape, and rupture history of human intracranial aneurysms. <i>Neurosurgery</i> , 2012 , 70, 1565-72; discussion 1572-3	3.2	21
82	Comments. <i>Neurosurgery</i> , 2012 , 71, 45-6	3.2	

81	Intentional hypertension during dissection of carotid arteries in endarterectomy prevents postoperative development of new cerebral ischemic lesions caused by intraoperative microemboli. <i>Neurosurgery</i> , 2011 , 69, 301-7	3.2	17
80	Idiopathic hypertrophic spinal pachymeningitis. <i>Journal of Neurosurgery: Spine</i> , 2011 , 15, 195-201	2.8	18
79	e-Nanoflex Sensor System: Smartphone-Based Roaming Health Monitor. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011 , 2,		8
78	The impact of surgical specialty on outcomes for carotid endarterectomy. <i>Journal of Surgical Research</i> , 2010 , 159, 595-602	2.5	24
77	Pathologic evidence that the T188R mutation in PRNP is associated with prion disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010 , 69, 1220-7	3.1	13
76	Heterostructured IrO ₂ /Au Nanowire Electrodes and Unit Recordings From Hippocampal Rat Brain. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2010 , 1,		11
75	Development of Titanium Needle Probes for Neural Recording and Evaluation of Magnetic Resonance Imaging Artifacts. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2010 , 1,		4
74	Patient-specific wall stress analysis in cerebral aneurysms using inverse shell model. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 478-89	4.7	32
73	Recommendations for imaging of acute ischemic stroke: a scientific statement from the American Heart Association. <i>Stroke</i> , 2009 , 40, 3646-78	6.7	315
72	Guidelines for the management of aneurysmal subarachnoid hemorrhage: a statement for healthcare professionals from a special writing group of the Stroke Council, American Heart Association. <i>Stroke</i> , 2009 , 40, 994-1025	6.7	1059
71	Update to the AHA/ASA recommendations for the prevention of stroke in patients with stroke and transient ischemic attack. <i>Stroke</i> , 2008 , 39, 1647-52	6.7	388
70	Nonlinear anisotropic stress analysis of anatomically realistic cerebral aneurysms. <i>Journal of Biomechanical Engineering</i> , 2007 , 129, 88-96	2.1	34
69	Clinicoradiological review: bilateral ethmoidal artery dural arteriovenous fistulas. <i>Neurosurgery</i> , 2007 , 60, 131-5; discussion 135-6	3.2	9
68	On Lumbar Disc Herniation, SPORT and "We Told You So" <i>Neurosurgery</i> , 2007 , 60, N6-N7	3.2	
67	Guidelines for prevention of stroke in patients with ischemic stroke or transient ischemic attack: a statement for healthcare professionals from the American Heart Association/American Stroke Association Council on Stroke: co-sponsored by the Council on Cardiovascular Radiology and Intervention: the American Academy of Neurology affirms the value of this guideline. <i>Stroke</i> , 2006 ,	6.7	1174
66	37, 577-617. Training residents in endovascular neurosurgery. <i>Neurosurgery</i> , 2006 , 59, S277-81; discussion S3-13	3.2	24
65	Training standards in endovascular neurosurgery. <i>Neurosurgery Clinics of North America</i> , 2005 , 16, 445-9, xi	4	10
64	Quantified aneurysm shape and rupture risk. <i>Journal of Neurosurgery</i> , 2005 , 102, 355-62	3.2	279

63	The Science and Controversy of Spinal Fusion. <i>Neurosurgery</i> , 2004 , 54, N6-N6	3.2	
62	Three-dimensional geometrical characterization of cerebral aneurysms. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 264-73	4.7	123
61	Methods and design considerations for randomized clinical trials evaluating surgical or endovascular treatments for cerebrovascular diseases. <i>Neurosurgery</i> , 2004 , 54, 248-64; discussion 264-7	3.2	30
60	Deep-brain stimulator and control of Parkinson's disease 2004 , 5389, 314		
59	Modeling the Geometry, Hemodynamics and Tissue Mechanics of Cerebral Aneurysms 2004 ,		3
58	More on ISAT. <i>Lancet, The</i> , 2003 , 361, 783-4; author reply 784	4.0	42
57	Carotid endarterectomy in high risk patients. <i>Neurological Research</i> , 2002 , 24 Suppl 1, S66-70	2.7	6
56	Carotid endarterectomy using regional anesthesia in high-risk patients. <i>International Congress Series</i> , 2002 , 1247, 357-365		
55	Clinical outcomes of aneurysmal subarachnoid hemorrhage patients treated with oral diltiazem and limited intensive care management. <i>World Neurosurgery</i> , 2001 , 55, 138-46; discussion 146-7		9
54	Carotid endarterectomy with regional anesthesia. <i>Neurosurgery</i> , 2001 , 49, 642-5	3.2	5
53	Carotid Endarterectomy with Regional Anesthesia. <i>Neurosurgery</i> , 2001 , 49, 642-645	3.2	4
52	Outcomes Analysis of the Treatment of Carotid Artery Disease. <i>Neurosurgery Clinics of North America</i> , 2000 , 11, 377-388	4	3
51	Carotid Endarterectomy Using Regional Anesthesia. <i>Neurosurgery Clinics of North America</i> , 2000 , 11, 299-307	4.0	7
50	Clinical outcomes after carotid endarterectomy: comparison of the use of regional and general anesthetics. <i>Journal of Neurosurgery</i> , 2000 , 92, 291-6	3.2	35
49	Clinical outcomes for patients at high risk who underwent carotid endarterectomy with regional anesthesia. <i>Neurosurgery</i> , 1999 , 45, 786-91; discussion 791-2	3.2	21
48	Outcomes Studies in Carotid Artery Disease. <i>Surgery for Cerebral Stroke</i> , 1999 , 27, 350-355	0	
47	Guidelines for carotid endarterectomy: a statement for healthcare professionals from a special writing group of the Stroke Council, American Heart Association. <i>Stroke</i> , 1998 , 29, 554-62	6.7	247
46	Microsurgical treatment of arteriovenous malformations: analysis and comparison with stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 1998 , 88, 641-6	3.2	132

45	Carotid-coronary artery bypass graft conundrum. <i>Neurosurgery</i> , 1998 , 43, 926-31	3.2	11
44	Diagnosis and Monitoring of Cerebral Hyperperfusion after Carotid Endarterectomy with Single Photon Emission Computed Tomography: Case Report. <i>Neurosurgery</i> , 1998 , 43, 160-160	3.2	
43	The worst headache of my life: an unusual presentation of gunshot wound to the head. <i>American Journal of Emergency Medicine</i> , 1997 , 15, 105-6	2.9	
42	Developing a neurosurgical carotid endarterectomy practice. <i>World Neurosurgery</i> , 1996 , 46, 545-8		7
41	Expression of angiogenic factors and structural proteins in central nervous system vascular malformations. <i>Neurosurgery</i> , 1996 , 38, 915-24; discussion 924-5	3.2	202
40	Neuroprotective effects of preischemia intraarterial magnesium sulfate in reversible focal cerebral ischemia. <i>Journal of Neurosurgery</i> , 1996 , 85, 117-24	3.2	140
39	Misdiagnosis of symptomatic cerebral aneurysm. Prevalence and correlation with outcome at four institutions. <i>Stroke</i> , 1996 , 27, 1558-63	6.7	108
38	Three-dimensional computed tomographic angiography in the preoperative evaluation of cerebrovascular lesions. <i>Neurosurgery</i> , 1995 , 36, 320-6; discussion 326-7	3.2	90
37	Teratoma of the cavernous sinus: case report. <i>Neurosurgery</i> , 1995 , 36, 1020-3	3.2	9
36	Early discharge after carotid endarterectomy. <i>Neurosurgery</i> , 1995 , 37, 219-24; discussion 224-5	3.2	36
35	Intra-abdominal hemorrhage complicating hypertensive therapy for cerebral vasospasm. <i>Critical Care Medicine</i> , 1995 , 23, 775-7	1.4	6
34	Transcranial Doppler Ultrasonography. <i>Neurosurgery</i> , 1995 , 37, 157-157	3.2	
33	Arteriovenous malformations in elderly patients. <i>Neurosurgery</i> , 1994 , 35, 579-84	3.2	26
32	Continuous ICV infusion of scopolamine impairs sustained attention of rhesus monkeys. <i>Neurobiology of Aging</i> , 1993 , 14, 147-51	5.6	45
31	Three-dimensional computerized tomography angiography in the diagnosis of cerebrovascular disease. <i>Journal of Neurosurgery</i> , 1992 , 76, 408-14	3.2	82
30	An evaluation of human neurophysin production in Alzheimer's disease: preliminary observations. <i>Neurobiology of Aging</i> , 1992 , 13, 261-5	5.6	19
29	Results of routine ventriculostomy with external ventricular drainage for acute hydrocephalus following subarachnoid haemorrhage. <i>Acta Neurochirurgica</i> , 1992 , 115, 8-14	3	97
28	Cortical biopsy in Alzheimer's disease: diagnostic accuracy and neurochemical, neuropathological, and cognitive correlations. Intraventricular Bethanecol Study Group. <i>Annals of Neurology</i> , 1992 , 32, 625-32	9.4	193

27	Continuous Intratumoral Infusion of Methotrexate for Recurrent Glioblastoma: A Pilot Study. <i>Neurosurgery</i> , 1991 , 28, 752-761	3.2	28
26	Acute effects of a pedicled omental graft on cold-induced brain oedema in cats. <i>Acta Neurochirurgica</i> , 1991 , 112, 136-40	3	3
25	Administration of intravenous urea and normal saline for the treatment of hyponatremia in neurosurgical patients. <i>Journal of Neurosurgery</i> , 1989 , 70, 201-6	3.2	48
24	Intracerebroventricular bethanechol chloride infusion in Alzheimer's disease. Results of a collaborative double-blind study. <i>Journal of Neurosurgery</i> , 1989 , 71, 481-6	3.2	37
23	Anticonvulsant activity of intracerebroventricularly administered glial GABA uptake inhibitors and other GABAmimetics in chemical seizure models. <i>Epilepsy Research</i> , 1989 , 4, 34-41	3	31
22	Potential use of nerve growth factor to treat Alzheimer's disease. <i>Neurobiology of Aging</i> , 1989 , 10, 205-75.6		150
21	Nerve growth factor as a potential treatment in Alzheimer's disease. <i>Biomedicine and Pharmacotherapy</i> , 1989 , 43, 483-5	7.5	7
20	Novel CNS-directed drug delivery systems in Alzheimer's disease and other neurological disorders. <i>Neurobiology of Aging</i> , 1989 , 10, 623-9	5.6	26
19	Anticonvulsant activity of the glial GABA uptake inhibitor, THAO, in chemical seizures. <i>European Journal of Pharmacology</i> , 1989 , 168, 265-8	5.3	18
18	Author's response to commentaries. <i>Neurobiology of Aging</i> , 1989 , 10, 648-650	5.6	5
17	Intracerebroventricular bethanechol chloride administration in Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , 1988 , 531, 174-9	6.5	8
16	Use of implantable pumps for central nervous system drug infusions to treat neurological disease. <i>Neurosurgery</i> , 1988 , 23, 693-8	3.2	50
15	Encephalomeningocele presenting with spontaneous cerebrospinal fluid rhinorrhea in an elderly man: case report. <i>Neurosurgery</i> , 1988 , 23, 637-40	3.2	12
14	External ventricular drainage for initial treatment of neonatal posthemorrhagic hydrocephalus: surgical and neurodevelopmental outcome. <i>Pediatric Neurosurgery</i> , 1987 , 13, 255-62	0.9	38
13	Neurosurgical options in cancer pain management. <i>Cancer Treatment and Research</i> , 1986 , 95-105	3.5	
12	Neural transplantation vs. central neurotransmitter augmentation in diseases of the nervous system. <i>Neurobiology of Aging</i> , 1985 , 6, 164-166	5.6	4
11	The false fontanel. <i>Journal of Neurosurgery</i> , 1984 , 61, 71-5	3.2	2
10	Continuous drug delivery by an implantable pump. <i>The American Journal of Hospice Care</i> , 1984 , 1, 17-20		1

9	Preliminary report: intracranial cholinergic drug infusion in patients with Alzheimer's disease. <i>Neurosurgery</i> , 1984 , 15, 514-8	3.2	146
8	Hemangioma calcificans. Case report. <i>Journal of Neurosurgery</i> , 1984 , 60, 417-9	3.2	25
7	Forebrain commissurotomy for epilepsy. Review of 20 consecutive cases. <i>Acta Neurochirurgica</i> , 1983 , 68, 263-75	3	37
6	Implanted continuous epidural morphine infusion system. Preliminary report. <i>Journal of Neurosurgery</i> , 1982 , 56, 803-6	3.2	57
5	Pediatric cerebellar infarction: case report and review of the literature. <i>Neurosurgery</i> , 1982 , 10, 593-6	3.2	15
4	Telencephalic theory of generalized epilepsy: observations in split-brain patients. <i>Neurosurgery</i> , 1982 , 10, 725-32	3.2	20
3	Microsurgical and standard removal of the protruded lumbar disc: a comparative study. <i>Neurosurgery</i> , 1981 , 8, 422-7	3.2	95
2	External ventricular drainage for control of posthemorrhagic hydrocephalus in premature infants. <i>Journal of Neurosurgery</i> , 1981 , 55, 766-70	3.2	24
1	Biohybrid Circuits: Nanotransducers Linking Cells and Neural Electrodes95-113		1