

Matthew A Howard

List of Publications by Year in descending order

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161
papers

7,621
citations

50276

46
h-index

66911

78
g-index

166
all docs

166
docs citations

166
times ranked

9187
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophysiology of the Human Superior Temporal Sulcus during Speech Processing. <i>Cerebral Cortex</i> , 2021, 31, 1131-1148.	2.9	24
2	Oscillatory correlates of auditory working memory examined with human electrocorticography. <i>Neuropsychologia</i> , 2021, 150, 107691.	1.6	21
3	Common fronto-temporal effective connectivity in humans and monkeys. <i>Neuron</i> , 2021, 109, 852-868.e8.	8.1	28
4	Causal mapping of emotion networks in the human brain: Framework and initial findings. <i>Neuropsychologia</i> , 2020, 145, 106571.	1.6	22
5	Intracranial EEG for seizure focus localization: evolving techniques, outcomes, complications, and utility of combining surface and depth electrodes. <i>Journal of Neurosurgery</i> , 2019, 130, 1180-1192.	1.6	42
6	Direct electrophysiological mapping of human pitch-related processing in auditory cortex. <i>NeuroImage</i> , 2019, 202, 116076.	4.2	19
7	Decomposition of higher-order spectra for blind multiple-input deconvolution, pattern identification and separation. <i>Signal Processing</i> , 2019, 165, 357-379.	3.7	7
8	A Sound-Sensitive Source of Alpha Oscillations in Human Non-Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 8679-8689.	3.6	47
9	Contemporary Approaches to Preventing and Treating Infections of Novel Intrathecal Neurostimulation Devices. <i>World Neurosurgery</i> , 2019, 128, e397-e408.	1.3	6
10	Methods and Devices for Posterior Ventriculoperitoneal Shunt Placement Surgery: 25 Years of Iterative Refinement. <i>World Neurosurgery</i> , 2019, 129, 514-521.e3.	1.3	2
11	Localized controlled fibrin glue application with gelatin sponge for hemostasis and dural defect repair: Technical note. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2019, 18, 100476.	0.3	0
12	The Wishbone: A Cranial Midline Localizing Device. <i>World Neurosurgery</i> , 2019, 128, 600-605.e1.	1.3	1
13	Genome-wide DNA methylation investigation of glucocorticoid exposure within buccal samples. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 323-330.	1.8	23
14	Utility and safety of depth electrodes within the supratemporal plane for intracranial EEG. <i>Journal of Neurosurgery</i> , 2019, 131, 772-780.	1.6	11
15	Differential responses to spectrally degraded speech within human auditory cortex: An intracranial electrophysiology study. <i>Hearing Research</i> , 2019, 371, 53-65.	2.0	20
16	Durotomy Surrogate and Seals for Intradural Spinal Cord Stimulators: Apparatus and Review of Clinical Methods and Materials. <i>Neuromodulation</i> , 2019, 22, 916-929.	0.8	6
17	Genome-wide DNA methylation comparison between live human brain and peripheral tissues within individuals. <i>Translational Psychiatry</i> , 2019, 9, 47.	4.8	279
18	Measurement of in vivo spinal cord displacement and strain fields of healthy and myelopathic cervical spinal cord. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 53-59.	1.7	14

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19	When neuroscience met clinical pathology: partitioning experimental variation to aid data interpretation in neuroscience. <i>European Journal of Neuroscience</i> , 2018, 47, 371-379.	2.6	4
20	Neural phase locking predicts BOLD response in human auditory cortex. <i>NeuroImage</i> , 2018, 169, 286-301.	4.2	14
21	John C. Vangilder (1935–2007): Neurosurgical Leader and Founder of the Department of Neurosurgery at the University of Iowa. <i>World Neurosurgery</i> , 2018, 114, 259-263.	1.3	0
22	Spinal dura mater: biophysical characteristics relevant to medical device development. <i>Journal of Medical Engineering and Technology</i> , 2018, 42, 128-139.	1.4	29
23	Intrathecal Therapeutics: Device Design, Access Methods, and Complication Mitigation. <i>Neuromodulation</i> , 2018, 21, 625-640.	0.8	22
24	Role of the temporal pole in temporal lobe epilepsy seizure networks: an intracranial electrode investigation. <i>Journal of Neurosurgery</i> , 2018, 129, 165-173.	1.6	25
25	Bone flap elevation for intracranial EEG monitoring: technical note. <i>Journal of Neurosurgery</i> , 2018, 129, 182-187.	1.6	4
26	Localization of musicogenic epilepsy to Heschl's gyrus and superior temporal plane: case report. <i>Journal of Neurosurgery</i> , 2018, 129, 157-164.	1.6	23
27	Shunt scissors: technical note. <i>Journal of Neurosurgery</i> , 2018, 129, 1200-1202.	1.6	1
28	Surgical Management of Tumors Involving Meckel's Cave and Cavernous Sinus: Role of an Extended Middle Fossa and Lateral Sphenoidectomy Approach. <i>Otology and Neurotology</i> , 2018, 39, 82-91.	1.3	16
29	Ovine model of neuropathic pain for assessing mechanisms of spinal cord stimulation therapy via dorsal horn recordings, von Frey filaments, and gait analysis. <i>Journal of Pain Research</i> , 2018, Volume 11, 1147-1162.	2.0	14
30	Volume of Brain Herniation After Decompressive Craniectomy in Patients with Traumatic Brain Injury. <i>World Neurosurgery</i> , 2018, 118, e414-e421.	1.3	13
31	Drug-resistant epilepsy development following stem cell transplant and cyclosporine neurotoxicity induced seizures: Case report in an adult and analysis of reported cases in the literature. <i>Epilepsy & Behavior Case Reports</i> , 2018, 10, 8-13.	1.5	5
32	Processing of auditory novelty across the cortical hierarchy: An intracranial electrophysiology study. <i>NeuroImage</i> , 2018, 183, 412-424.	4.2	35
33	Auditory Predictive Coding across Awareness States under Anesthesia: An Intracranial Electrophysiology Study. <i>Journal of Neuroscience</i> , 2018, 38, 8441-8452.	3.6	52
34	Paradoxical vocal changes in a trained singer by focally cooling the right superior temporal gyrus. <i>Cortex</i> , 2017, 89, 111-119.	2.4	13
35	Electrocorticographic delineation of human auditory cortical fields based on effects of propofol anesthesia. <i>NeuroImage</i> , 2017, 152, 78-93.	4.2	21
36	Treatment of Lateral Skull Base and Posterior Cranial Fossa Lesions Utilizing the Extended Middle Cranial Fossa Approach. <i>Otology and Neurotology</i> , 2017, 38, 742-750.	1.3	14

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37	Spinal Cord Stimulation for Spasticity: Historical Approaches, Current Status, and Future Directions. <i>Neuromodulation</i> , 2017, 20, 307-321.	0.8	57
38	O ₂ and H ₂ O ₂ -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. <i>Cancer Cell</i> , 2017, 31, 487-500.e8.	16.8	316
39	Mapping effective connectivity in the human brain with concurrent intracranial electrical stimulation and BOLD-fMRI. <i>Journal of Neuroscience Methods</i> , 2017, 277, 101-112.	2.5	39
40	Precision surgery of rolandic glioma and insights from extended functional mapping. <i>Clinical Neurology and Neurosurgery</i> , 2017, 163, 60-66.	1.4	5
41	Intracranial markers of conscious face perception in humans. <i>NeuroImage</i> , 2017, 162, 322-343.	4.2	17
42	The origins and persistence of psychosurgery in the state of Iowa. <i>Neurosurgical Focus</i> , 2017, 43, E8.	2.3	3
43	An ovine model of spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 346-360.	1.4	22
44	Letter: Reconsidering Bone Morphogenetic Protein in the Cervical Spine: Selective Use for Managing Type II Odontoid Fractures in the Elderly. <i>Operative Neurosurgery</i> , 2017, 13, E39-E42.	0.8	0
45	Sequence learning modulates neural responses and oscillatory coupling in human and monkey auditory cortex. <i>PLoS Biology</i> , 2017, 15, e2000219.	5.6	56
46	Conscious Perception as Integrated Information Patterns in Human Electroencephalography. <i>ENeuro</i> , 2017, 4, ENEURO.0085-17.2017.	1.9	28
47	A Novel Dural Reconstruction Method Following Spinal Tumor Resection. <i>Neurosurgery Quarterly</i> , 2016, 26, 251-255.	0.1	3
48	Beta modulation reflects name retrieval in the human anterior temporal lobe: an intracranial recording study. <i>Journal of Neurophysiology</i> , 2016, 115, 3052-3061.	1.8	15
49	Effects of brain derived neurotrophic factor Val66Met polymorphism in patients with cervical spondylotic myelopathy. <i>Journal of Clinical Neuroscience</i> , 2016, 24, 117-121.	1.5	19
50	Giant Thrombosed Intracranial Aneurysm. <i>New England Journal of Medicine</i> , 2016, 375, 778-778.	27.0	0
51	Catenin delta-1 (CTNND1) phosphorylation controls the mesenchymal to epithelial transition in astrocytic tumors. <i>Human Molecular Genetics</i> , 2016, 25, 4201-4210.	2.9	10
52	Volume of Brain Herniation in Patients with Ischemic Stroke After Decompressive Craniectomy. <i>World Neurosurgery</i> , 2016, 96, 101-106.	1.3	17
53	From Russian Refugee to Iowa's First Neurosurgeon and Pioneer of Cranial Hemostasis: The Legacy of Anatole Kolodny (1892-1948). <i>Neurosurgery</i> , 2016, 80, 159-164.	1.1	3
54	Effect of Surgery on Gait and Sensory Motor Performance in Patients With Cervical Spondylotic Myelopathy. <i>Neurosurgery</i> , 2016, 79, 701-707.	1.1	7

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55	Can you hear me yet? An intracranial investigation of speech and non-speech audiovisual interactions in human cortex. <i>Language, Cognition and Neuroscience</i> , 2016, 31, 284-302.	1.2	13
56	Comparison of Conventional and Kilohertz Frequency Epidural Stimulation in Patients Undergoing Trialing for Spinal Cord Stimulation: Clinical Considerations. <i>World Neurosurgery</i> , 2016, 88, 586-591.	1.3	12
57	Neural Correlates of Vocal Production and Motor Control in Human Heschl's Gyrus. <i>Journal of Neuroscience</i> , 2016, 36, 2302-2315.	3.6	69
58	Russell Meyers (1905â€“1999): pioneer of functional and ultrasonic neurosurgery. <i>Journal of Neurosurgery</i> , 2016, 125, 1589-1595.	1.6	13
59	Risk factors associated with distal catheter migration following ventriculoperitoneal shunt placement. <i>Journal of Clinical Neuroscience</i> , 2016, 25, 46-49.	1.5	32
60	Functional Segregation of Cortical Regions Underlying Speech Timing and Articulation. <i>Neuron</i> , 2016, 89, 1187-1193.	8.1	121
61	Neural signatures of perceptual inference. <i>ELife</i> , 2016, 5, e11476.	6.0	138
62	Conditioned place preference and spontaneous dorsal horn neuron activity in chronic constriction injury model in rats. <i>Pain</i> , 2015, 156, 2562-2571.	4.2	19
63	Investigating the Anterior Temporal Lobe With Direct Intracranial Recordings. <i>Neurosurgery</i> , 2015, 62, 185-189.	1.1	4
64	Sparse Spectro-Temporal Receptive Fields Based on Multi-Unit and High-Gamma Responses in Human Auditory Cortex. <i>PLoS ONE</i> , 2015, 10, e0137915.	2.5	10
65	A Unique Case of Primary Ewing's Sarcoma of the Cervical Spine in a 53-Year-Old Male: A Case Report and Review of the Literature. <i>Case Reports in Medicine</i> , 2015, 2015, 1-6.	0.7	8
66	Invasive recordings in the human auditory cortex. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2015, 129, 225-244.	1.8	50
67	Intraventricular foramen of Monro cavernous malformation. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1690-1693.	1.5	10
68	Sensory-motor networks involved in speech production and motor control: An fMRI study. <i>NeuroImage</i> , 2015, 109, 418-428.	4.2	144
69	Direct Physiologic Evidence of a Heteromodal Convergence Region for Proper Naming in Human Left Anterior Temporal Lobe. <i>Journal of Neuroscience</i> , 2015, 35, 1513-1520.	3.6	69
70	Breathing Inhibited When Seizures Spread to the Amygdala and upon Amygdala Stimulation. <i>Journal of Neuroscience</i> , 2015, 35, 10281-10289.	3.6	180
71	Sound identification in human auditory cortex: Differential contribution of local field potentials and high gamma power as revealed by direct intracranial recordings. <i>Brain and Language</i> , 2015, 148, 37-50.	1.6	35
72	Intracranial Mapping of a Cortical Tinnitus System using Residual Inhibition. <i>Current Biology</i> , 2015, 25, 1208-1214.	3.9	83

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73	Kinematic analysis of the gait of adult sheep during treadmill locomotion: Parameter values, allowable total error, and potential for use in evaluating spinal cord injury. <i>Journal of the Neurological Sciences</i> , 2015, 358, 107-112.	0.6	24
74	Modulation of response patterns in human auditory cortex during a target detection task: An intracranial electrophysiology study. <i>International Journal of Psychophysiology</i> , 2015, 95, 191-201.	1.0	25
75	Differential activation of human core, non-core and auditory-related cortex during speech categorization tasks as revealed by intracranial recordings. <i>Frontiers in Neuroscience</i> , 2014, 8, 240.	2.8	35
76	Risk factors and outcomes associated with surgical site infections after craniotomy or craniectomy. <i>Journal of Neurosurgery</i> , 2014, 120, 509-521.	1.6	117
77	Using speech and electrocorticography to map human auditory cortex. , 2014, 2014, 6798-801.		3
78	Syringomyelia and spinal arachnoiditis resulting from aneurysmal subarachnoid hemorrhage: Report of two cases and review of the literature. <i>Journal of Craniovertebral Junction and Spine</i> , 2014, 5, 47.	0.8	11
79	Functional organization of human auditory cortex: Investigation of response latencies through direct recordings. <i>NeuroImage</i> , 2014, 101, 598-609.	4.2	78
80	Postsurgical Pathologies Associated with Intradural Electrical Stimulation in the Central Nervous System: Design Implications for a New Clinical Device. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	15
81	Finite-Element Study of the Performance Characteristics of an Intradural Spinal Cord Stimulator. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.7	6
82	Mapping the temporal pole with a specialized electrode array: technique and preliminary results. <i>Physiological Measurement</i> , 2014, 35, 323-337.	2.1	18
83	Spectral Organization of the Human Lateral Superior Temporal Gyrus Revealed by Intracranial Recordings. <i>Cerebral Cortex</i> , 2014, 24, 340-352.	2.9	47
84	Comparison of spinal cord stimulation profiles from intra- and extradural electrode arrangements by finite element modelling. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 531-538.	2.8	31
85	Case Report: Stimulation of the Right Amygdala Induces Transient Changes in Affective Bias. <i>Brain Stimulation</i> , 2014, 7, 690-693.	1.6	22
86	Direct Recordings from the Auditory Cortex in a Cochlear Implant User. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2013, 14, 435-450.	1.8	23
87	Successful conservative management of an intrathecal catheter-associated inflammatory mass. <i>Spine Journal</i> , 2013, 13, 1708-1709.	1.3	1
88	Posterior ligamentous complex healing following disruption in thoracolumbar fractures. <i>Medical Hypotheses</i> , 2013, 81, 117-118.	1.5	6
89	Functional MRI detection of hemodynamic response of repeated median nerve stimulation. <i>Magnetic Resonance Imaging</i> , 2013, 31, 550-554.	1.8	1
90	Power and signal transmission protocol for a contactless subdural spinal cord stimulation device. <i>Biomedical Microdevices</i> , 2013, 15, 27-36.	2.8	11

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91	Risk of hemorrhagic complication associated with ventriculoperitoneal shunt placement in aneurysmal subarachnoid hemorrhage patients on dual antiplatelet therapy. <i>Journal of Neurosurgery</i> , 2013, 119, 937-942.	1.6	71
92	Cerebral Blood Flow Dynamics and Head-of-Bed Changes in the Setting of Subarachnoid Hemorrhage. <i>BioMed Research International</i> , 2013, 2013, 1-4.	1.9	12
93	Traumatic Intracranial Hemorrhage in Patients Taking Dabigatran. <i>Neurosurgery</i> , 2013, 73, E368-E374.	1.1	33
94	Coding of repetitive transients by auditory cortex on posterolateral superior temporal gyrus in humans: an intracranial electrophysiology study. <i>Journal of Neurophysiology</i> , 2013, 109, 1283-1295.	1.8	61
95	Sensory-Motor Interactions for Vocal Pitch Monitoring in Non-Primary Human Auditory Cortex. <i>PLoS ONE</i> , 2013, 8, e60783.	2.5	60
96	Loss of Acid Sensing Ion Channel-1a and Bicarbonate Administration Attenuate the Severity of Traumatic Brain Injury. <i>PLoS ONE</i> , 2013, 8, e72379.	2.5	37
97	Intracranial Somatosensory Responses with Direct Spinal Cord Stimulation in Anesthetized Sheep. <i>PLoS ONE</i> , 2013, 8, e56266.	2.5	25
98	Vagus nerve stimulation after lead revision. <i>Neurosurgical Focus</i> , 2012, 32, E11.	2.3	27
99	Processing of Facial Emotion in the Human Fusiform Gyrus. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1358-1370.	2.3	71
100	A new device concept for directly modulating spinal cord pathways: initial <i>in vivo</i> experimental results. <i>Physiological Measurement</i> , 2012, 33, 2003-2015.	2.1	26
101	Ovine Tests of a Novel Spinal Cord Neuromodulator and Dentate Ligament Fixation Method. <i>Journal of Investigative Surgery</i> , 2012, 25, 366-374.	1.3	20
102	Clinical and radiographic predictors of neurological outcome following posterior fossa decompression for spontaneous cerebellar hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1236-1241.	1.5	25
103	Human Auditory Cortical Activation during Self-Vocalization. <i>PLoS ONE</i> , 2011, 6, e14744.	2.5	101
104	Risk of ventriculostomy-related hemorrhage in patients with acutely ruptured aneurysms treated using stent-assisted coiling. <i>Journal of Neurosurgery</i> , 2011, 114, 1021-1027.	1.6	140
105	Clinical significance of positive cranial bone flap cultures and associated risk of surgical site infection after craniotomies or craniectomies. <i>Journal of Neurosurgery</i> , 2011, 114, 1746-1754.	1.6	55
106	Predictive Coding and Pitch Processing in the Auditory Cortex. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3084-3094.	2.3	61
107	Value Encoding in Single Neurons in the Human Amygdala during Decision Making. <i>Journal of Neuroscience</i> , 2011, 31, 331-338.	3.6	118
108	Don't take the plunge: avoiding adverse events with cranial perforators. <i>Journal of Neurosurgery</i> , 2011, 115, 570-575.	1.6	47

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109	Intracranial Study of Speech-Elicited Activity on the Human Posterolateral Superior Temporal Gyrus. <i>Cerebral Cortex</i> , 2011, 21, 2332-2347.	2.9	91
110	A method for placing Heschl gyrus depth electrodes. <i>Journal of Neurosurgery</i> , 2010, 112, 1301-1307.	1.6	43
111	Direct Recordings of Pitch Responses from Human Auditory Cortex. <i>Current Biology</i> , 2010, 20, 1128-1132.	3.9	100
112	Postoperative radiographic findings in patients undergoing intracranial electrode monitoring for medically refractory epilepsy. <i>Journal of Neurosurgery</i> , 2010, 112, 449-454.	1.6	10
113	Use of confirmatory imaging studies to illustrate adequate treatment of cerebrospinal fluid leak in spontaneous intracranial hypotension. <i>Journal of Neurosurgery</i> , 2010, 113, 955-960.	1.6	10
114	Stereotactic Atlas-Based Depth Electrode Localization in the Human Amygdala. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 219-228.	1.5	18
115	Decoding movement-related cortical potentials from electrocorticography. <i>Neurosurgical Focus</i> , 2009, 27, E11.	2.3	16
116	A "neurosurgical crisis" of sickle cell disease. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 4, 532-535.	1.3	35
117	Coding of Repetitive Transients by Auditory Cortex on Heschl's Gyrus. <i>Journal of Neurophysiology</i> , 2009, 102, 2358-2374.	1.8	177
118	The Amygdala Is a Chemosensor that Detects Carbon Dioxide and Acidosis to Elicit Fear Behavior. <i>Cell</i> , 2009, 139, 1012-1021.	28.9	361
119	Temporal Envelope of Time-Compressed Speech Represented in the Human Auditory Cortex. <i>Journal of Neuroscience</i> , 2009, 29, 15564-15574.	3.6	217
120	Seizure termination by acidosis depends on ASIC1a. <i>Nature Neuroscience</i> , 2008, 11, 816-822.	14.8	325
121	Functional localization of auditory cortical fields of human: Click-train stimulation. <i>Hearing Research</i> , 2008, 238, 12-24.	2.0	63
122	Decoding Face Information in Time, Frequency and Space from Direct Intracranial Recordings of the Human Brain. <i>PLoS ONE</i> , 2008, 3, e3892.	2.5	94
123	A Segmentation-Based Method for Metal Artifact Reduction. <i>Academic Radiology</i> , 2007, 14, 495-504.	2.5	93
124	Functional connections within the human inferior frontal gyrus. <i>Journal of Comparative Neurology</i> , 2007, 503, 550-559.	1.6	60
125	Functional connections between auditory cortical fields in humans revealed by Granger causality analysis of intra-cranial evoked potentials to sounds: Comparison of two methods. <i>BioSystems</i> , 2007, 89, 198-207.	2.0	31
126	PEO and MPEG in high drug load extruded and spheronized beads that are devoid of MCC. <i>International Journal of Pharmaceutics</i> , 2006, 307, 66-76.	5.2	25

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127	Hearing suppression induced by electrical stimulation of human auditory cortex. <i>Brain Research</i> , 2006, 1118, 75-83.	2.2	45
128	Intracranial electrophysiology of the human orbitofrontal cortex. , 2006, , 355-376.		6
129	Electrophysiological correlates of reward prediction error recorded in the human prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8351-8356.	7.1	57
130	Analysis of Single-Unit Responses to Emotional Scenes in Human Ventromedial Prefrontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1509-1518.	2.3	45
131	A Functional Connection Between Inferior Frontal Gyrus and Orofacial Motor Cortex in Human. <i>Journal of Neurophysiology</i> , 2004, 92, 1153-1164.	1.8	83
132	Intracortical Responses in Human and Monkey Primary Auditory Cortex Support a Temporal Processing Mechanism for Encoding of the Voice Onset Time Phonetic Parameter. <i>Cerebral Cortex</i> , 2004, 15, 170-186.	2.9	104
133	Effects of preparative parameters on the properties of chitosan hydrogel beads containing <i>Candida rugosa</i> lipase. <i>Biomaterials</i> , 2004, 25, 2645-2655.	11.4	67
134	Extruded and Spheronized Beads Containing No Microcrystalline Cellulose: Influence of Formulation and Process Variables. <i>Pharmaceutical Development and Technology</i> , 2004, 9, 197-217.	2.4	38
135	A device for cooling localized regions of human cerebral cortex. <i>Journal of Neurosurgery</i> , 2003, 99, 604-608.	1.6	42
136	Functional Connections Between Auditory Cortex on Heschl's Gyrus and on the Lateral Superior Temporal Gyrus in Humans. <i>Journal of Neurophysiology</i> , 2003, 90, 3750-3763.	1.8	107
137	Single-neuron responses to emotional visual stimuli recorded in human ventral prefrontal cortex. <i>Nature Neuroscience</i> , 2001, 4, 15-16.	14.8	338
138	Paraparesis induced by inflammatory contents of a pneumonectomy cavity. <i>Journal of Neurosurgery</i> , 2000, 93, 1065-1068.	1.6	5
139	Experimental study of the magnetic stereotaxis system for catheter manipulation within the brain. <i>Journal of Neurosurgery</i> , 2000, 93, 282-288.	1.6	58
140	A transient deficit of motion perception in human. <i>Vision Research</i> , 2000, 40, 3435-3446.	1.4	20
141	The effect of the aqueous solubility of xanthine derivatives on the release mechanism from ethylcellulose matrix tablets. <i>International Journal of Pharmaceutics</i> , 1999, 179, 97-105.	5.2	54
142	The next 100 years of neurosurgery. <i>Lancet, The</i> , 1999, 354, SIV36.	18.7	2
143	A Combined Surgical-Endovascular Device Concept for Giant Aneurysm Neck Occlusion. <i>Neurosurgery</i> , 1998, 42, 1364-1368.	1.1	2
144	An Integrated Multipurpose Lesion-making Electrode. <i>Neurosurgery</i> , 1998, 42, 137-141.	1.1	5

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145	Chronic Microelectrode Investigations of Normal Human Brain Physiology Using a Hybrid Depth Electrode. <i>Stereotactic and Functional Neurosurgery</i> , 1997, 68, 236-242.	1.5	15
146	Magnetic Neurosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 1996, 66, 102-107.	1.5	3
147	A chronic microelectrode investigation of the tonotopic organization of human auditory cortex. <i>Brain Research</i> , 1996, 724, 260-264.	2.2	159
148	A hybrid clinical research depth electrode for acute and chronic in vivo microelectrode recording of human brain neurons. <i>Journal of Neurosurgery</i> , 1996, 84, 129-132.	1.6	54
149	Review of Magnetic Neurosurgery Research. <i>Computer Aided Surgery</i> , 1995, 1, 295-299.	1.8	0
150	A noninvasive, reattachable skull fiducial marker system. <i>Journal of Neurosurgery</i> , 1995, 83, 372-376.	1.6	40
151	Comparing the Extent of Hippocampal Removal to the Outcome in Terms of Seizure Control. <i>Stereotactic and Functional Neurosurgery</i> , 1994, 62, 232-237.	1.5	24
152	Physiologic effects of nucleus basalis magnocellularis stimulation on rat barrel cortex neurons. <i>Experimental Brain Research</i> , 1994, 102, 21-33.	1.5	35
153	The pathophysiology of infant subdural haematomas. <i>British Journal of Neurosurgery</i> , 1993, 7, 355-365.	0.8	43
154	Reversible basilar artery blood flow in subclavian steal syndrome. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 1991, 1, 103-108.	1.6	2
155	Magnetic Stereotaxis: A Technique to Deliver Stereotactic Hyperthermia. <i>Neurosurgery</i> , 1990, 27, 1010-1016.	1.1	19
156	Vancomycin pharmacokinetics in hydrocephalic shunt prophylaxis and relationship to ventricular volume. <i>World Neurosurgery</i> , 1990, 34, 366-372.	1.3	23
157	Intracerebral drug delivery in rats with lesion-induced memory deficits. <i>Journal of Neurosurgery</i> , 1989, 71, 105-112.	1.6	65
158	Acute subdural hematomas: an age-dependent clinical entity. <i>Journal of Neurosurgery</i> , 1989, 71, 858-863.	1.6	174
159	Magnetic Movement of a Brain Thermoceptor. <i>Neurosurgery</i> , 1989, 24, 444-448.	1.1	24
160	Brain xenografts: the effect of cyclosporin A on graft survival. <i>Journal of Neurosurgery</i> , 1988, 69, 121-126.	1.6	9
161	Pharmacokinetics of Intraventricular Vancomycin in Hydrocephalic Rats. <i>Neurosurgery</i> , 1986, 18, 725-729.	1.1	6