

Edward Chang

List of Publications by Year in descending order

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Version: 2024-02-01

173
papers

15,051
citations

22099

59
h-index

23472

111
g-index

188
all docs

188
docs citations

188
times ranked

14543
citing authors

#	ARTICLE	IF	CITATIONS
1	Speech Computations of the Human Superior Temporal Gyrus. Annual Review of Psychology, 2022, 73, 79-102.	9.9	44
2	A single-cell atlas of the normal and malformed human brain vasculature. Science, 2022, 375, eabi7377.	6.0	129
3	Intracranial electroencephalographic biomarker predicts effective responsive neurostimulation for epilepsy prior to treatment. Epilepsia, 2022, 63, 652-662.	2.6	25
4	Cortical Representation of Speech Sounds: Insights from Intracranial Electrophysiology. Springer Handbook of Auditory Research, 2022, , 45-79.	0.3	1
5	Recurrent Radiation-Induced Cavernous Malformation After Gamma Knife Stereotactic Radiosurgery for Brain Metastasis. Cureus, 2022, 14, e22815.	0.2	0
6	Left hemisphere dominance for bilateral kinematic encoding in the human brain. ELife, 2022, 11, .	2.8	20
7	Decoding naturalistic affective behaviour from spectro-spatial features in multiday human iEEG. Nature Human Behaviour, 2022, 6, 823-836.	6.2	19
8	Prospective genomically guided identification of "early/evolving" and "undersampled" IDH-wildtype glioblastoma leads to improved clinical outcomes. Neuro-Oncology, 2022, 24, 1749-1762.	0.6	10
9	Harnessing the Power of Artificial Intelligence in Otolaryngology and the Communication Sciences. JARO - Journal of the Association for Research in Otolaryngology, 2022, 23, 319-349.	0.9	8
10	Network connectivity predicts effectiveness of responsive neurostimulation in focal epilepsy. Brain Communications, 2022, 4, .	1.5	13
11	Human Responses to Visually Evoked Threat. Current Biology, 2021, 31, 601-612.e3.	1.8	18
12	Speech Decoding as Machine Translation. Springer Briefs in Electrical and Computer Engineering, 2021, , 23-33.	0.3	0
13	A Review of Cortical and Subcortical Stimulation Mapping for Language. Neurosurgery, 2021, 89, 331-342.	0.6	23
14	State-dependent responses to intracranial brain stimulation in a patient with depression. Nature Medicine, 2021, 27, 229-231.	15.2	123
15	Effects of anterior thalamic nuclei stimulation on hippocampal activity: Chronic recording in a patient with drug-resistant focal epilepsy. Epilepsy and Behavior Reports, 2021, 16, 100467.	0.5	13
16	Accuracy of omniplanar and surface casting of epileptiform activity for intracranial seizure localization. Epilepsia, 2021, 62, 947-959.	2.6	5
17	Human cortical encoding of pitch in tonal and non-tonal languages. Nature Communications, 2021, 12, 1161.	5.8	36
18	Evidence of state-dependence in the effectiveness of responsive neurostimulation for seizure modulation. Brain Stimulation, 2021, 14, 366-375.	0.7	20

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19	Functional maps of direct electrical stimulation-induced speech arrest and anomia: a multicentre retrospective study. <i>Brain</i> , 2021, 144, 2541-2553.	3.7	43
20	Bidirectional propagation of low frequency oscillations over the human hippocampal surface. <i>Nature Communications</i> , 2021, 12, 2764.	5.8	26
21	Neuroprosthesis for Decoding Speech in a Paralyzed Person with Anarthria. <i>New England Journal of Medicine</i> , 2021, 385, 217-227.	13.9	209
22	Analysis-rcs-data: Open-Source Toolbox for the Ingestion, Time-Alignment, and Visualization of Sense and Stimulation Data From the Medtronic Summit RC+S System. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 714256.	1.0	16
23	Thin-film microfabrication and intraoperative testing of $\hat{\mu}$ EECoG and iEEG depth arrays for sense and stimulation. <i>Journal of Neural Engineering</i> , 2021, 18, 045014.	1.8	6
24	Long-term brain network reorganization predicts responsive neurostimulation outcomes for focal epilepsy. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	84
25	Parallel and distributed encoding of speech across human auditory cortex. <i>Cell</i> , 2021, 184, 4626-4639.e13.	13.5	103
26	Learning nonnative speech sounds changes local encoding in the adult human cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
27	Developing a Closed-Loop Brain-Computer Interface for Treatment of Neuropsychiatric Disorders Using Electrical Brain Stimulation. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2021, , 103-106.	0.3	1
28	Adaptive tracking of human ECoG network dynamics. <i>Journal of Neural Engineering</i> , 2021, 18, 016011.	1.8	23
29	Closed-loop neuromodulation in an individual with treatment-resistant depression. <i>Nature Medicine</i> , 2021, 27, 1696-1700.	15.2	212
30	Prefrontal Physiomeasures of Anxiety and Depression in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 748165.	1.4	11
31	Functional alterations in cortical processing of speech in glioma-infiltrated cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
32	Human intracranial recordings reveal distinct cortical activity patterns during invasive and non-invasive vagus nerve stimulation. <i>Scientific Reports</i> , 2021, 11, 22780.	1.6	7
33	Postsurgical seizure outcome in temporal lobe epilepsy patients with normal or subtle, nonspecific MRI findings. <i>Journal of Neurosurgery</i> , 2021, , 1-7.	0.9	0
34	Practical Closed-Loop Strategies for Deep Brain Stimulation: Lessons From Chronic Pain. <i>Frontiers in Neuroscience</i> , 2021, 15, 762097.	1.4	7
35	Pilot Study of An Intracranial Electroencephalography Biomarker of Depressive Symptoms in Epilepsy. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2020, 32, 185-190.	0.9	10
36	Toward a Speech Neuroprosthesis. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 413.	3.8	18

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37	Responsive neurostimulation for regional neocortical epilepsy. <i>Epilepsia</i> , 2020, 61, 96-106.	2.6	52
38	A Deep Brain Stimulation Trial Period for Treating Chronic Pain. <i>Journal of Clinical Medicine</i> , 2020, 9, 3155.	1.0	9
39	Real-world experience with direct brain-responsive neurostimulation for focal onset seizures. <i>Epilepsia</i> , 2020, 61, 1749-1757.	2.6	77
40	Operative Technique and Lessons Learned From Surgical Implantation of the NeuroPace Responsive Neurostimulation® System in 57 Consecutive Patients. <i>Operative Neurosurgery</i> , 2020, 20, E98-E109.	0.4	17
41	Comparison of Stereotactic Radiosurgery and Radiofrequency Ablation for Trigeminal Neuralgia in Multiple Sclerosis Patients. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 378-385.	0.8	5
42	Early seizure spread and epilepsy surgery: A systematic review. <i>Epilepsia</i> , 2020, 61, 2163-2172.	2.6	4
43	Comprehensive analysis of diverse low-grade neuroepithelial tumors with FGFR1 alterations reveals a distinct molecular signature of rosette-forming glioneuronal tumor. <i>Acta Neuropathologica Communications</i> , 2020, 8, 151.	2.4	35
44	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. <i>Acta Neuropathologica</i> , 2020, 139, 953-957.	3.9	18
45	Interictal Epileptiform Discharges and the Quality of Human Intracranial Neurophysiology Data. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 44.	1.0	4
46	Machine translation of cortical activity to text with an encoder-decoder framework. <i>Nature Neuroscience</i> , 2020, 23, 575-582.	7.1	189
47	Pure Apraxia of Speech After Resection Based in the Posterior Middle Frontal Gyrus. <i>Neurosurgery</i> , 2020, 87, E383-E389.	0.6	28
48	Association of Maximal Extent of Resection of Contrast-Enhanced and Non-Contrast-Enhanced Tumor With Survival Within Molecular Subgroups of Patients With Newly Diagnosed Glioblastoma. <i>JAMA Oncology</i> , 2020, 6, 495.	3.4	325
49	Cortical Encoding of Manual Articulatory and Linguistic Features in American Sign Language. <i>Current Biology</i> , 2020, 30, 4342-4351.e3.	1.8	9
50	Brain2Char: a deep architecture for decoding text from brain recordings. <i>Journal of Neural Engineering</i> , 2020, 17, 066015.	1.8	37
51	Data-Driven, Visual Framework for the Characterization of Aphasias Across Stroke, Post-resective, and Neurodegenerative Disorders Over Time. <i>Frontiers in Neurology</i> , 2020, 11, 616764.	1.1	6
52	Transformation of a temporal speech cue to a spatial neural code in human auditory cortex. <i>ELife</i> , 2020, 9, .	2.8	17
53	Long-term pain outcomes in elderly patients with trigeminal neuralgia: comparison of first-time microvascular decompression and stereotactic radiosurgery. <i>Neurosurgical Focus</i> , 2020, 49, E23.	1.0	10
54	Direct cortical stimulation of inferior frontal cortex disrupts both speech and music production in highly trained musicians. <i>Cognitive Neuropsychology</i> , 2019, 36, 158-166.	0.4	26

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55	Real-time decoding of question-and-answer speech dialogue using human cortical activity. <i>Nature Communications</i> , 2019, 10, 3096.	5.8	144
56	Speaker-normalized sound representations in the human auditory cortex. <i>Nature Communications</i> , 2019, 10, 2465.	5.8	41
57	A Modular Approach to Vocal Learning: Disentangling the Diversity of a Complex Behavioral Trait. <i>Neuron</i> , 2019, 104, 87-99.	3.8	47
58	Comparison of Common Artifact Rejection Methods applied to Direct Cortical and Peripheral Stimulation in Human ECoG. , 2019, , .		7
59	Deep learning as a tool for neural data analysis: Speech classification and cross-frequency coupling in human sensorimotor cortex. <i>PLoS Computational Biology</i> , 2019, 15, e1007091.	1.5	43
60	The Encoding of Speech Sounds in the Superior Temporal Gyrus. <i>Neuron</i> , 2019, 102, 1096-1110.	3.8	211
61	Immature excitatory neurons develop during adolescence in the human amygdala. <i>Nature Communications</i> , 2019, 10, 2748.	5.8	95
62	Decoding Natural Positive Emotional Behaviors from Human Fronto-Temporal Mesolimbic Structures. , 2019, , .		3
63	Speech synthesis from neural decoding of spoken sentences. <i>Nature</i> , 2019, 568, 493-498.	13.7	518
64	Biases in processing of mood-congruent facial expressions in depression. <i>Psychiatry Research</i> , 2019, 275, 143-148.	1.7	18
65	QOLP-27. CLINICAL FACTORS AND MOLECULAR MARKERS ASSOCIATED WITH POSTOPERATIVE SEIZURES IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019, 21, vi203-vi203.	0.6	0
66	Modeling neural dynamics during speech production using a state space variational autoencoder. , 2019, , .		1
67	GENE-47. A 3D ATLAS TO EVALUATE THE SPATIAL PATTERNING OF GENETIC ALTERATIONS AND TUMOR CELL STATES IN GLIOMA. <i>Neuro-Oncology</i> , 2019, 21, vi107-vi108.	0.6	0
68	HDMF: Hierarchical Data Modeling Framework for Modern Science Data Standards. , 2019, 2019, 165-179.		4
69	A speech envelope landmark for syllable encoding in human superior temporal gyrus. <i>Science Advances</i> , 2019, 5, eaay6279.	4.7	99
70	Inhibition of Manual Movements at Speech Arrest Sites in the Posterior Inferior Frontal Lobe. <i>Neurosurgery</i> , 2019, 85, E496-E501.	0.6	14
71	The peri-Sylvian cortical network underlying single word repetition revealed by electrocortical stimulation and direct neural recordings. <i>Brain and Language</i> , 2019, 193, 58-72.	0.8	38
72	Long-term pain outcomes for recurrent idiopathic trigeminal neuralgia after stereotactic radiosurgery: a prospective comparison of first-time microvascular decompression and repeat stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2019, 131, 1207-1215.	0.9	8

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73	Human hippocampal neurogenesis drops sharply in children to undetectable levels in adults. <i>Nature</i> , 2018, 555, 377-381.	13.7	1,074
74	Unsupervised Learning of Spatiotemporal Interictal Discharges in Focal Epilepsy. <i>Neurosurgery</i> , 2018, 83, 683-691.	0.6	24
75	Human Sensorimotor Cortex Control of Directly Measured Vocal Tract Movements during Vowel Production. <i>Journal of Neuroscience</i> , 2018, 38, 2955-2966.	1.7	51
76	Neural correlates of sine-wave speech intelligibility in human frontal and temporal cortex. <i>Brain and Language</i> , 2018, 187, 83-91.	0.8	22
77	Critical Language Areas Show Increased Functional Connectivity in Human Cortex. <i>Cerebral Cortex</i> , 2018, 28, 4161-4168.	1.6	15
78	Persistent neuronal activity in human prefrontal cortex links perception and action. <i>Nature Human Behaviour</i> , 2018, 2, 80-91.	6.2	53
79	Neural Encoding of Auditory Features during Music Perception and Imagery. <i>Cerebral Cortex</i> , 2018, 28, 4222-4233.	1.6	35
80	Seizure Outcome After Surgical Resection of Insular Glioma. <i>Neurosurgery</i> , 2018, 83, 709-718.	0.6	24
81	Multi-day rhythms modulate seizure risk in epilepsy. <i>Nature Communications</i> , 2018, 9, 88.	5.8	369
82	Seizure localization by chronic ambulatory electrocorticography. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 174-176.	0.6	24
83	Mirroring in the Human Brain: Deciphering the Spatial-Temporal Patterns of the Human Mirror Neuron System. <i>Cerebral Cortex</i> , 2018, 28, 1039-1048.	1.6	15
84	Prospective comparison of long-term pain relief rates after first-time microvascular decompression and stereotactic radiosurgery for trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2018, 128, 68-77.	0.9	70
85	Multiple Subpial Transections for Medically Refractory Epilepsy: A Disaggregated Review of Patient-Level Data. <i>Neurosurgery</i> , 2018, 82, 613-620.	0.6	21
86	SURG-02. A NOVEL RISK MODEL TO DEFINE THE RELATIVE BENEFIT OF MAXIMAL EXTENT OF RESECTION WITHIN PROGNOSTIC GROUPS IN NEWLY DIAGNOSED GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018, 20, vi250-vi250.	0.6	0
87	Direct Electrical Stimulation of Lateral Orbitofrontal Cortex Acutely Improves Mood in Individuals with Symptoms of Depression. <i>Current Biology</i> , 2018, 28, 3893-3902.e4.	1.8	112
88	An Amygdala-Hippocampus Subnetwork that Encodes Variation in Human Mood. <i>Cell</i> , 2018, 175, 1688-1700.e14.	13.5	119
89	Does Adult Neurogenesis Persist in the Human Hippocampus?. <i>Cell Stem Cell</i> , 2018, 23, 780-781.	5.2	95
90	Subcellular organization of UBE3A in human cerebral cortex. <i>Molecular Autism</i> , 2018, 9, 54.	2.6	30

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91	Spontaneous Neural Activity in the Superior Temporal Gyrus Recapitulates Tuning for Speech Features. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 360.	1.0	1
92	Mood variations decoded from multi-site intracranial human brain activity. <i>Nature Biotechnology</i> , 2018, 36, 954-961.	9.4	164
93	Encoding of Articulatory Kinematic Trajectories in Human Speech Sensorimotor Cortex. <i>Neuron</i> , 2018, 98, 1042-1054.e4.	3.8	141
94	A Spatial Map of Onset and Sustained Responses to Speech in the Human Superior Temporal Gyrus. <i>Current Biology</i> , 2018, 28, 1860-1871.e4.	1.8	156
95	The Control of Vocal Pitch in Human Laryngeal Motor Cortex. <i>Cell</i> , 2018, 174, 21-31.e9.	13.5	144
96	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. <i>Cell</i> , 2018, 174, 505-520.	13.5	108
97	Closed-Loop Deep Brain Stimulation for Refractory Chronic Pain. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 18.	1.2	42
98	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , 2018, 6, 47.	2.4	130
99	Distinctive Structural and Molecular Features of Myelinated Inhibitory Axons in Human Neocortex. <i>ENeuro</i> , 2018, 5, ENEURO.0297-18.2018.	0.9	35
100	Radiation-induced Cavernous Malformation as a Late Sequelae of Stereotactic Radiosurgery for Epilepsy. <i>Cureus</i> , 2018, 10, e2308.	0.2	11
101	Seizure outcomes in nonresective epilepsy surgery: an update. <i>Neurosurgical Review</i> , 2017, 40, 181-194.	1.2	58
102	Connected speech in transient aphasias after left hemisphere resective surgery. <i>Aphasiology</i> , 2017, 31, 1266-1281.	1.4	11
103	Systemic inaccuracies in the National Surgical Quality Improvement Program database: Implications for accuracy and validity for neurosurgery outcomes research. <i>Journal of Clinical Neuroscience</i> , 2017, 37, 44-47.	0.8	33
104	Intonational speech prosody encoding in the human auditory cortex. <i>Science</i> , 2017, 357, 797-801.	6.0	117
105	Multi-scale visual analysis of time-varying electrocorticography data via clustering of brain regions. <i>BMC Bioinformatics</i> , 2017, 18, 236.	1.2	10
106	Semi-automated Anatomical Labeling and Inter-subject Warping of High-Density Intracranial Recording Electrodes in Electrocorticography. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 62.	1.3	94
107	Immediate Mood Scaler: Tracking Symptoms of Depression and Anxiety Using a Novel Mobile Mood Scale. <i>JMIR MHealth and UHealth</i> , 2017, 5, e44.	1.8	63
108	Methods for Specifying Scientific Data Standards and Modeling Relationships with Applications to Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 48.	1.3	10

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109	The auditory representation of speech sounds in human motor cortex. <i>ELife</i> , 2016, 5, .	2.8	129
110	High-Resolution, Non-Invasive Imaging of Upper Vocal Tract Articulators Compatible with Human Brain Recordings. <i>PLoS ONE</i> , 2016, 11, e0151327.	1.1	39
111	Perceptual restoration of masked speech in human cortex. <i>Nature Communications</i> , 2016, 7, 13619.	5.8	122
112	Thin-film, high-density micro-electrocorticographic decoding of a human cortical gyrus. , 2016, 2016, 1528-1531.		11
113	Rate and complications of adult epilepsy surgery in North America: Analysis of multiple databases. <i>Epilepsy Research</i> , 2016, 124, 55-62.	0.8	39
114	Major and minor complications in extraoperative electrocorticography: A review of a national database. <i>Epilepsy Research</i> , 2016, 122, 26-29.	0.8	20
115	Epilepsy and brain tumors. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 134, 267-285.	1.0	151
116	Immunogenomics of Hypermutated Glioblastoma: A Patient with Germline <i>POLE</i> Deficiency Treated with Checkpoint Blockade Immunotherapy. <i>Cancer Discovery</i> , 2016, 6, 1230-1236.	7.7	242
117	Neural speech recognition: continuous phoneme decoding using spatiotemporal representations of human cortical activity. <i>Journal of Neural Engineering</i> , 2016, 13, 056004.	1.8	74
118	Surgical management of medically refractory epilepsy in patients with polymicrogyria. <i>Epilepsia</i> , 2016, 57, 151-161.	2.6	28
119	Spatial resolution dependence on spectral frequency in human speech cortex electrocorticography. <i>Journal of Neural Engineering</i> , 2016, 13, 056013.	1.8	55
120	Dynamic Structure of Neural Variability in the Cortical Representation of Speech Sounds. <i>Journal of Neuroscience</i> , 2016, 36, 7453-7463.	1.7	6
121	New Developments in Understanding the Complexity of Human Speech Production. <i>Journal of Neuroscience</i> , 2016, 36, 11440-11448.	1.7	42
122	Minimally Invasive Epilepsy Surgery. <i>Neurosurgery Clinics of North America</i> , 2016, 27, xiii-xiv.	0.8	1
123	Seizures in supratentorial meningioma: a systematic review and meta-analysis. <i>Journal of Neurosurgery</i> , 2016, 124, 1552-1561.	0.9	113
124	Human Superior Temporal Gyrus Organization of Spectrotemporal Modulation Tuning Derived from Speech Stimuli. <i>Journal of Neuroscience</i> , 2016, 36, 2014-2026.	1.7	138
125	The sensitivity and significance of lateralized interictal slow activity on magnetoencephalography in focal epilepsy. <i>Epilepsy Research</i> , 2016, 121, 21-28.	0.8	13
126	Awake brain tumor resection during pregnancy: Decision making and technical nuances. <i>Journal of Clinical Neuroscience</i> , 2016, 24, 160-162.	0.8	22

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127	Stereotactic Laser Ablation for Hypothalamic Hamartoma. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 59-67.	0.8	71
128	Global and regional functional connectivity maps of neural oscillations in focal epilepsy. <i>Brain</i> , 2015, 138, 2249-2262.	3.7	198
129	A predictive algorithm for evaluating elevated serum prolactin in patients with a sellar mass. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 155-160.	0.8	8
130	The influence of lexical statistics on temporal lobe cortical dynamics during spoken word listening. <i>Brain and Language</i> , 2015, 147, 66-75.	0.8	28
131	Minimally invasive surgical approaches for temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2015, 47, 24-33.	0.9	62
132	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. <i>Nature Neuroscience</i> , 2015, 18, 1318-1324.	7.1	173
133	The cortical computations underlying feedback control in vocal production. <i>Current Opinion in Neurobiology</i> , 2015, 33, 174-181.	2.0	90
134	National trends and complication rates for invasive extraoperative electrocorticography in the USA. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 823-827.	0.8	24
135	Dynamic Encoding of Speech Sequence Probability in Human Temporal Cortex. <i>Journal of Neuroscience</i> , 2015, 35, 7203-7214.	1.7	65
136	Awake craniotomy in a patient with ejection fraction of 10%: considerations of cerebrovascular and cardiovascular physiology. <i>Journal of Clinical Anesthesia</i> , 2015, 27, 256-261.	0.7	13
137	Towards Large-Scale, Human-Based, Mesoscopic Neurotechnologies. <i>Neuron</i> , 2015, 86, 68-78.	3.8	129
138	Contemporary model of language organization: an overview for neurosurgeons. <i>Journal of Neurosurgery</i> , 2015, 122, 250-261.	0.9	314
139	Oscillatory Dynamics Track Motor Performance Improvement in Human Cortex. <i>PLoS ONE</i> , 2014, 9, e89576.	1.1	8
140	Neural decoding of spoken vowels from human sensory-motor cortex with high-density electrocorticography. , 2014, 2014, 6782-5.		33
141	Phonetic Feature Encoding in Human Superior Temporal Gyrus. <i>Science</i> , 2014, 343, 1006-1010.	6.0	748
142	Speech map in the human ventral sensory-motor cortex. <i>Current Opinion in Neurobiology</i> , 2014, 24, 63-67.	2.0	49
143	Isolated intracerebral light chain deposition disease: novel imaging and pathologic findings. <i>Clinical Imaging</i> , 2014, 38, 868-871.	0.8	6
144	Control of Spoken Vowel Acoustics and the Influence of Phonetic Context in Human Speech Sensorimotor Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 12662-12677.	1.7	41

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145	Dynamic speech representations in the human temporal lobe. Trends in Cognitive Sciences, 2014, 18, 472-479.	4.0	82
146	Emergent categorical representation of natural, complex sounds resulting from the early post-natal sound environment. Neuroscience, 2013, 248, 30-42.	1.1	20
147	Functional organization of human sensorimotor cortex for speech articulation. Nature, 2013, 495, 327-332.	13.7	544
148	Human cortical sensorimotor network underlying feedback control of vocal pitch. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2653-2658.	3.3	207
149	Reconstructing Speech from Human Auditory Cortex. PLoS Biology, 2012, 10, e1001251.	2.6	486
150	Functional mapping-guided resection of low-grade gliomas in eloquent areas of the brain: improvement of long-term survival. Journal of Neurosurgery, 2011, 114, 566-573.	0.9	253
151	Epilepsy Surgery: The Emerging Field of Neuromodulation. Neurosurgery Clinics of North America, 2011, 22, ix-x.	0.8	8
152	Sub-centimeter language organization in the human temporal lobe. Brain and Language, 2011, 117, 103-109.	0.8	92
153	Homotopic organization of essential language sites in right and bilateral cerebral hemispheric dominance. Journal of Neurosurgery, 2011, 114, 893-902.	0.9	60
154	Cortical Spatio-temporal Dynamics Underlying Phonological Target Detection in Humans. Journal of Cognitive Neuroscience, 2011, 23, 1437-1446.	1.1	66
155	Incidence and Management of Venous Air Embolisms during Awake Deep Brain Stimulation Surgery in a Large Clinical Series. Stereotactic and Functional Neurosurgery, 2011, 89, 76-82.	0.8	39
156	Supratentorial cavernous malformations in eloquent and deep locations: surgical approaches and outcomes. Journal of Neurosurgery, 2011, 114, 814-827.	0.9	80
157	Long term outcome following repeat transsphenoidal surgery for recurrent endocrine-inactive pituitary adenomas. Pituitary, 2010, 13, 223-229.	1.6	51
158	Categorical speech representation in human superior temporal gyrus. Nature Neuroscience, 2010, 13, 1428-1432.	7.1	484
159	Seizure control outcomes after resection of dysembryoplastic neuroepithelial tumor in 50 patients. Journal of Neurosurgery: Pediatrics, 2010, 5, 123-130.	0.8	99
160	Predictors of efficacy after stereotactic radiosurgery for medial temporal lobe epilepsy. Neurology, 2010, 74, 165-172.	1.5	74
161	Long-Term Benefit Sustained after Bilateral Pallidal Deep Brain Stimulation in Patients with Refractory Tardive Dystonia. Stereotactic and Functional Neurosurgery, 2010, 88, 304-310.	0.8	66
162	Cortical Representation of Ipsilateral Arm Movements in Monkey and Man. Journal of Neuroscience, 2009, 29, 12948-12956.	1.7	134

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163	Magnetic source imaging for the surgical evaluation of electroencephalography-confirmed secondary bilateral synchrony in intractable epilepsy. <i>Journal of Neurosurgery</i> , 2009, 111, 1248-1256.	0.9	35
164	SEIZURE CHARACTERISTICS AND CONTROL AFTER MICROSURGICAL RESECTION OF SUPRATENTORIAL CEREBRAL CAVERNOUS MALFORMATIONS. <i>Neurosurgery</i> , 2009, 65, 31-38.	0.6	92
165	Preoperative prognostic classification system for hemispheric low-grade gliomas in adults. <i>Journal of Neurosurgery</i> , 2008, 109, 817-824.	0.9	226
166	Seizure characteristics and control following resection in 332 patients with low-grade gliomas. <i>Journal of Neurosurgery</i> , 2008, 108, 227-235.	0.9	452
167	Long-term recurrence and mortality after surgery and adjuvant radiotherapy for nonfunctional pituitary adenomas. <i>Journal of Neurosurgery</i> , 2008, 108, 736-745.	0.9	143
168	Neuronal Responses to Passive Movement in the Globus Pallidus Internus in Primary Dystonia. <i>Journal of Neurophysiology</i> , 2007, 98, 3696-3707.	0.9	28
169	ACUTE TRAUMATIC INTRAPARENCHYMAL HEMORRHAGE. <i>Neurosurgery</i> , 2007, 61, 647-656.	0.6	69
170	Acute Traumatic Intraparenchymal Hemorrhage: Risk Factors for Progression in the Early Post-injury Period. <i>Neurosurgery</i> , 2006, 58, 647-656.	0.6	178
171	Development of spectral and temporal response selectivity in the auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16460-16465.	3.3	145
172	Environmental Noise Retards Auditory Cortical Development. <i>Science</i> , 2003, 300, 498-502.	6.0	481
173	Stereotactic Radiosurgery for Medically Intractable Epilepsy. , 0, , 1035-1041.		1