

Karl Zilles

List of Publications by Year in descending order

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531
papers

68,537
citations

492

129
h-index

1009

236
g-index

568
all docs

568
docs citations

568
times ranked

39188
citing authors

#	ARTICLE	IF	CITATIONS
1	A new SPM toolbox for combining probabilistic cytoarchitectonic maps and functional imaging data. <i>NeuroImage</i> , 2005, 25, 1325-1335.	4.2	3,746
2	A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1293-1322.	4.0	1,959
3	Coordinate-based activation likelihood estimation meta-analysis of neuroimaging data: A random-effects approach based on empirical estimates of spatial uncertainty. <i>Human Brain Mapping</i> , 2009, 30, 2907-2926.	3.6	1,664
4	Bias between MNI and Talairach coordinates analyzed using the ICBM-152 brain template. <i>Human Brain Mapping</i> , 2007, 28, 1194-1205.	3.6	1,284
5	ALE meta-analysis of action observation and imitation in the human brain. <i>NeuroImage</i> , 2010, 50, 1148-1167.	4.2	1,168
6	Broca's region revisited: Cytoarchitecture and intersubject variability. <i>Journal of Comparative Neurology</i> , 1999, 412, 319-341.	1.6	1,143
7	A link between the systems: functional differentiation and integration within the human insula revealed by meta-analysis. <i>Brain Structure and Function</i> , 2010, 214, 519-534.	2.3	1,084
8	Cytoarchitectonic mapping of the human amygdala, hippocampal region and entorhinal cortex: intersubject variability and probability maps. <i>Anatomy and Embryology</i> , 2005, 210, 343-352.	1.5	1,041
9	Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. <i>NeuroImage</i> , 2010, 53, 1135-1146.	4.2	993
10	Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. <i>NeuroImage</i> , 2007, 36, 511-521.	4.2	881
11	Neural Circuits Underlying Imitation Learning of Hand Actions. <i>Neuron</i> , 2004, 42, 323-334.	8.1	838
12	Polymodal Motion Processing in Posterior Parietal and Premotor Cortex. <i>Neuron</i> , 2001, 29, 287-296.	8.1	719
13	Human Primary Auditory Cortex: Cytoarchitectonic Subdivisions and Mapping into a Spatial Reference System. <i>NeuroImage</i> , 2001, 13, 684-701.	4.2	708
14	Cortical Folding Patterns and Predicting Cytoarchitecture. <i>Cerebral Cortex</i> , 2008, 18, 1973-1980.	2.9	691
15	BigBrain: An Ultrahigh-Resolution 3D Human Brain Model. <i>Science</i> , 2013, 340, 1472-1475.	12.6	673
16	The human pattern of gyrification in the cerebral cortex. <i>Anatomy and Embryology</i> , 1988, 179, 173-179.	1.5	654
17	Brodmann's Areas 17 and 18 Brought into Stereotaxic Space—Where and How Variable?. <i>NeuroImage</i> , 2000, 11, 66-84.	4.2	601
18	Two different areas within the primary motor cortex of man. <i>Nature</i> , 1996, 382, 805-807.	27.8	596

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19	Prefrontal cortex in humans and apes: A comparative study of area 10. <i>American Journal of Physical Anthropology</i> , 2001, 114, 224-241.	2.1	592
20	The Ontogeny of Human Gyrification. <i>Cerebral Cortex</i> , 1995, 5, 56-63.	2.9	584
21	Testing anatomically specified hypotheses in functional imaging using cytoarchitectonic maps. <i>NeuroImage</i> , 2006, 32, 570-582.	4.2	582
22	The human inferior parietal cortex: Cytoarchitectonic parcellation and interindividual variability. <i>NeuroImage</i> , 2006, 33, 430-448.	4.2	570
23	O-(2-[18F]fluoroethyl)-L-tyrosine PET combined with MRI improves the diagnostic assessment of cerebral gliomas. <i>Brain</i> , 2005, 128, 678-687.	7.6	537
24	The Cortex of the Rat. , 1985, , .		521
25	Centenary of Brodmann's map "conception and fate. <i>Nature Reviews Neuroscience</i> , 2010, 11, 139-145.	10.2	512
26	Human brain white matter atlas: Identification and assignment of common anatomical structures in superficial white matter. <i>NeuroImage</i> , 2008, 43, 447-457.	4.2	486
27	Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. <i>NeuroImage</i> , 2011, 57, 938-949.	4.2	449
28	Asymmetry in the Human Motor Cortex and Handedness. <i>NeuroImage</i> , 1996, 4, 216-222.	4.2	447
29	Functional neuroanatomy of the primate isocortical motor system. <i>Anatomy and Embryology</i> , 2000, 202, 443-474.	1.5	439
30	Development of cortical folding during evolution and ontogeny. <i>Trends in Neurosciences</i> , 2013, 36, 275-284.	8.6	437
31	Mesolimbic Functional Magnetic Resonance Imaging Activations during Reward Anticipation Correlate with Reward-Related Ventral Striatal Dopamine Release. <i>Journal of Neuroscience</i> , 2008, 28, 14311-14319.	3.6	426
32	The Human Parietal Operculum. I. Cytoarchitectonic Mapping of Subdivisions. <i>Cerebral Cortex</i> , 2006, 16, 254-267.	2.9	423
33	Recognition of emotional prosody and verbal components of spoken language: an fMRI study. <i>Cognitive Brain Research</i> , 2000, 9, 227-238.	3.0	412
34	Analysis of neural mechanisms underlying verbal fluency in cytoarchitectonically defined stereotaxic space "The roles of Brodmann areas 44 and 45. <i>NeuroImage</i> , 2004, 22, 42-56.	4.2	406
35	The Human Parietal Operculum. II. Stereotaxic Maps and Correlation with Functional Imaging Results. <i>Cerebral Cortex</i> , 2006, 16, 268-279.	2.9	402
36	White matter fiber tracts of the human brain: Three-dimensional mapping at microscopic resolution, topography and intersubject variability. <i>NeuroImage</i> , 2006, 29, 1092-1105.	4.2	398

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37	Broca's region subserves imagery of motion: A combined cytoarchitectonic and fMRI study. <i>Human Brain Mapping</i> , 2000, 11, 273-285.	3.6	391
38	Areas 3a, 3b, and 1 of Human Primary Somatosensory Cortex. <i>NeuroImage</i> , 1999, 10, 63-83.	4.2	389
39	Differential remoteness and emotional tone modulate the neural correlates of autobiographical memory. <i>Brain</i> , 2003, 126, 650-668.	7.6	361
40	Architectonic Mapping of the Human Brain beyond Brodmann. <i>Neuron</i> , 2015, 88, 1086-1107.	8.1	360
41	The human inferior parietal lobule in stereotaxic space. <i>Brain Structure and Function</i> , 2008, 212, 481-495.	2.3	355
42	Is There a "One" DLPFC in Cognitive Action Control? Evidence for Heterogeneity From Co-Activation-Based Parcellation. <i>Cerebral Cortex</i> , 2013, 23, 2677-2689.	2.9	350
43	Motor cortex and hand motor skills: Structural compliance in the human brain. <i>Human Brain Mapping</i> , 1997, 5, 206-215.	3.6	342
44	Probabilistic Maps, Morphometry, and Variability of Cytoarchitectonic Areas in the Human Superior Parietal Cortex. <i>Cerebral Cortex</i> , 2008, 18, 2141-2157.	2.9	334
45	An investigation of the structural, connectional, and functional subspecialization in the human amygdala. <i>Human Brain Mapping</i> , 2013, 34, 3247-3266.	3.6	333
46	Observer-Independent Method for Microstructural Parcellation of Cerebral Cortex: A Quantitative Approach to Cytoarchitectonics. <i>NeuroImage</i> , 1999, 9, 165-177.	4.2	329
47	Human Somatosensory Area 2: Observer-Independent Cytoarchitectonic Mapping, Interindividual Variability, and Population Map. <i>NeuroImage</i> , 2001, 14, 617-631.	4.2	328
48	Stereotaxic probabilistic maps of the magnocellular cell groups in human basal forebrain. <i>NeuroImage</i> , 2008, 42, 1127-1141.	4.2	324
49	Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. <i>Journal of Neuroscience</i> , 2010, 30, 6409-6421.	3.6	324
50	Interhemispheric asymmetry of the human motor cortex related to handedness and gender. <i>Neuropsychologia</i> , 2000, 38, 304-312.	1.6	318
51	A Four-Dimensional Probabilistic Atlas of the Human Brain. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2001, 8, 401-430.	4.4	313
52	Crossmodal Processing of Object Features in Human Anterior Intraparietal Cortex. <i>Neuron</i> , 2002, 35, 173-184.	8.1	312
53	Illusory Arm Movements Activate Cortical Motor Areas: A Positron Emission Tomography Study. <i>Journal of Neuroscience</i> , 1999, 19, 6134-6144.	3.6	305
54	Broca's Region: Novel Organizational Principles and Multiple Receptor Mapping. <i>PLoS Biology</i> , 2010, 8, e1000489.	5.6	304

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55	Prefrontal involvement in imitation learning of hand actions: Effects of practice and expertise. <i>NeuroImage</i> , 2007, 37, 1371-1383.	4.2	301
56	Subcortical Correlates of Craving in Recently Abstinent Alcoholic Patients. <i>American Journal of Psychiatry</i> , 2001, 158, 1075-1083.	7.2	293
57	Lateralized Cognitive Processes and Lateralized Task Control in the Human Brain. <i>Science</i> , 2003, 301, 384-386.	12.6	293
58	Areas 3a, 3b, and 1 of Human Primary Somatosensory Cortex. <i>NeuroImage</i> , 2000, 11, 684-696.	4.2	291
59	Receptor architecture of human cingulate cortex: Evaluation of the four-region neurobiological model. <i>Human Brain Mapping</i> , 2009, 30, 2336-2355.	3.6	289
60	Neuronal Hyperexcitability and Reduction of GABA _A -Receptor Expression in the Surround of Cerebral Photothrombosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 906-914.	4.3	283
61	Cerebral correlates of alerting, orienting and reorienting of visuospatial attention: an event-related fMRI study. <i>NeuroImage</i> , 2004, 21, 318-328.	4.2	282
62	Genetic Contributions to Human Brain Morphology and Intelligence. <i>Journal of Neuroscience</i> , 2006, 26, 10235-10242.	3.6	271
63	The neural correlates of person familiarity: A functional magnetic resonance imaging study with clinical implications. <i>Brain</i> , 2001, 124, 804-815.	7.6	270
64	Ammonia induces MK801-sensitive nitration and phosphorylation of protein tyrosine residues in rat astrocytes. <i>FASEB Journal</i> , 2002, 16, 739-741.	0.5	268
65	The anatomical and functional specialization of the fusiform gyrus. <i>Neuropsychologia</i> , 2016, 83, 48-62.	1.6	268
66	Hierarchical Processing of Tactile Shape in the Human Brain. <i>Neuron</i> , 2001, 31, 317-328.	8.1	263
67	Towards multimodal atlases of the human brain. <i>Nature Reviews Neuroscience</i> , 2006, 7, 952-966.	10.2	261
68	Gyrification in the Cerebral Cortex of Primates. <i>Brain, Behavior and Evolution</i> , 1989, 34, 143-150.	1.7	256
69	Observer-Independent Cytoarchitectonic Mapping of the Human Superior Parietal Cortex. <i>Cerebral Cortex</i> , 2008, 18, 846-867.	2.9	254
70	Characterization of the temporo-parietal junction by combining data-driven parcellation, complementary connectivity analyses, and functional decoding. <i>NeuroImage</i> , 2013, 81, 381-392.	4.2	250
71	Cytoarchitectonic identification and probabilistic mapping of two distinct areas within the anterior ventral bank of the human intraparietal sulcus. <i>Journal of Comparative Neurology</i> , 2006, 495, 53-69.	1.6	249
72	Julich-Brain: A 3D probabilistic atlas of the human brain's cytoarchitecture. <i>Science</i> , 2020, 369, 988-992.	12.6	246

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73	Cytoarchitectonic Analysis of the Human Extrastriate Cortex in the Region of V5/MT+: A Probabilistic, Stereotaxic Map of Area hOc5. <i>Cerebral Cortex</i> , 2006, 17, 562-574.	2.9	243
74	A novel approach to the human connectome: Ultra-high resolution mapping of fiber tracts in the brain. <i>NeuroImage</i> , 2011, 54, 1091-1101.	4.2	236
75	Human medial intraparietal cortex subserves visuomotor coordinate transformation. <i>NeuroImage</i> , 2004, 23, 1494-1506.	4.2	234
76	Neural consequences of acting in near versus far space: a physiological basis for clinical dissociations. <i>Brain</i> , 2000, 123, 2531-2541.	7.6	230
77	Architectonics of the human cerebral cortex and transmitter receptor fingerprints: reconciling functional neuroanatomy and neurochemistry. <i>European Neuropsychopharmacology</i> , 2002, 12, 587-599.	0.7	222
78	Dominance of the Right Hemisphere and Role of Area 2 in Human Kinesthesia. <i>Journal of Neurophysiology</i> , 2005, 93, 1020-1034.	1.8	219
79	Trait vs. state characteristics: Emotional experience in schizophrenic patients and their non-schizophrenic relatives. <i>NeuroImage</i> , 2001, 13, 1053.	4.2	217
80	High-resolution MRI reflects myeloarchitecture and cytoarchitecture of human cerebral cortex. <i>Human Brain Mapping</i> , 2005, 24, 206-215.	3.6	217
81	A quantitative approach to cytoarchitectonics. <i>Anatomy and Embryology</i> , 1980, 159, 335-360.	1.5	216
82	The Neural Basis of Vertical and Horizontal Line Bisection Judgments: An fMRI Study of Normal Volunteers. <i>NeuroImage</i> , 2001, 14, S59-S67.	4.2	216
83	Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , 2011, 58, 362-380.	4.2	216
84	Cytoarchitecture and Probabilistic Maps of the Human Posterior Insular Cortex. <i>Cerebral Cortex</i> , 2010, 20, 1448-1461.	2.9	214
85	The mid-fusiform sulcus: A landmark identifying both cytoarchitectonic and functional divisions of human ventral temporal cortex. <i>NeuroImage</i> , 2014, 84, 453-465.	4.2	212
86	Layer-Specific Intracolumnar and Transcolumnar Functional Connectivity of Layer V Pyramidal Cells in Rat Barrel Cortex. <i>Journal of Neuroscience</i> , 2001, 21, 3580-3592.	3.6	211
87	The bile acid receptor TGR5 (Gpbar α 1) acts as a neurosteroid receptor in brain. <i>Glia</i> , 2010, 58, 1794-1805.	4.9	209
88	The Somatotopic Organization of Cytoarchitectonic Areas on the Human Parietal Operculum. <i>Cerebral Cortex</i> , 2007, 17, 1800-1811.	2.9	207
89	Quantitative analysis of sulci in the human cerebral cortex: Development, regional heterogeneity, gender difference, asymmetry, intersubject variability and cortical architecture. <i>Human Brain Mapping</i> , 1997, 5, 218-221.	3.6	201
90	Activation of Broca's area during the production of spoken and signed language: a combined cytoarchitectonic mapping and PET analysis. <i>Neuropsychologia</i> , 2003, 41, 1868-1876.	1.6	200

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91	Cytoarchitecture of the cerebral cortexâ€™ More than localization. <i>NeuroImage</i> , 2007, 37, 1061-1065.	4.2	200
92	Posterior parietal cortex is implicated in continuous switching between verbal fluency tasks: an fMRI study with clinical implications. <i>Brain</i> , 2002, 125, 1024-1038.	7.6	194
93	Performing allocentric visuospatial judgments with induced distortion of the egocentric reference frame: an fMRI study with clinical implications. <i>NeuroImage</i> , 2003, 20, 1505-1517.	4.2	192
94	Organization of the Human Inferior Parietal Lobule Based on Receptor Architectonics. <i>Cerebral Cortex</i> , 2013, 23, 615-628.	2.9	192
95	Differential Involvement of Parietal and Precentral Regions in Movement Preparation and Motor Intention. <i>Journal of Neuroscience</i> , 2002, 22, 9024-9034.	3.6	191
96	Age-related morphology trends of cortical sulci. <i>Human Brain Mapping</i> , 2005, 26, 210-220.	3.6	188
97	Functional Diversity of Layer IV Spiny Neurons in Rat Somatosensory Cortex: Quantitative Morphology of Electrophysiologically Characterized and Biocytin Labeled Cells. <i>Cerebral Cortex</i> , 2004, 14, 690-701.	2.9	186
98	Cortical folding, the lunate sulcus and the evolution of the human brain. <i>Journal of Human Evolution</i> , 1991, 20, 341-348.	2.6	183
99	Cytology and receptor architecture of human anterior cingulate cortex. <i>Journal of Comparative Neurology</i> , 2008, 508, 906-926.	1.6	183
100	Cerebral Asymmetry. <i>Journal of Computer Assisted Tomography</i> , 1989, 13, 996-1005.	0.9	182
101	Neural basis of pantomiming the use of visually presented objects. <i>NeuroImage</i> , 2004, 21, 1224-1231.	4.2	182
102	A systems perspective on the effective connectivity of overt speech production. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2399-2421.	3.4	182
103	Functions and structures of the motor cortices in humans. <i>Current Opinion in Neurobiology</i> , 1996, 6, 773-781.	4.2	179
104	Structural divisions and functional fields in the human cerebral cortex1Published on the World Wide Web on 20 February 1998.1. <i>Brain Research Reviews</i> , 1998, 26, 87-105.	9.0	179
105	Identifying human parieto-insular vestibular cortex using fMRI and cytoarchitectonic mapping. <i>Human Brain Mapping</i> , 2006, 27, 611-621.	3.6	173
106	Nicotine Modulates Reorienting of Visuospatial Attention and Neural Activity in Human Parietal Cortex. <i>Neuropsychopharmacology</i> , 2005, 30, 810-820.	5.4	171
107	Subspecialization in the human posterior medial cortex. <i>NeuroImage</i> , 2015, 106, 55-71.	4.2	171
108	Multimodal metabolic imaging of cerebral gliomas: positron emission tomography with [18F]fluoroethyl-L-tyrosine and magnetic resonance spectroscopy. <i>Journal of Neurosurgery</i> , 2005, 102, 318-327.	1.6	170

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109	Sleep Deprivation Increases A1 Adenosine Receptor Binding in the Human Brain: A Positron Emission Tomography Study. <i>Journal of Neuroscience</i> , 2007, 27, 2410-2415.	3.6	169
110	Broca's region: Cytoarchitectonic asymmetry and developmental changes. <i>Journal of Comparative Neurology</i> , 2003, 465, 72-89.	1.6	167
111	Cell Type-Specific Circuits of Cortical Layer IV Spiny Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 2961-2970.	3.6	164
112	Common and Differential Neural Mechanisms Supporting Imitation of Meaningful and Meaningless Actions. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1420-1431.	2.3	163
113	Receptor mapping: architecture of the human cerebral cortex. <i>Current Opinion in Neurology</i> , 2009, 22, 331-339.	3.6	160
114	Structural Asymmetries in the Human Forebrain and the Forebrain of Non-human Primates and Rats. <i>Neuroscience and Biobehavioral Reviews</i> , 1996, 20, 593-605.	6.1	157
115	Ventral visual cortex in humans: Cytoarchitectonic mapping of two extrastriate areas. <i>Human Brain Mapping</i> , 2007, 28, 1045-1059.	3.6	157
116	Architecture and organizational principles of Broca's region. <i>Trends in Cognitive Sciences</i> , 2012, 16, 418-426.	7.8	155
117	Nicotinic cholinergic neurons of the frontal cortex are reduced in Alzheimer's disease. <i>Neurobiology of Aging</i> , 1991, 12, 259-262.	3.1	153
118	Expansion of the neocerebellum in Hominoidea. <i>Journal of Human Evolution</i> , 2003, 44, 401-429.	2.6	153
119	Quantitative Analysis of Cyto- and Receptor Architecture of the Human Brain. , 2002, , 573-602.		152
120	Multimodal architectonic mapping of human superior temporal gyrus. <i>Anatomy and Embryology</i> , 2005, 210, 401-406.	1.5	152
121	Microstructural proliferation in human cortex is coupled with the development of face processing. <i>Science</i> , 2017, 355, 68-71.	12.6	150
122	Cortical Representations of Personally Familiar Objects and Places: Functional Organization of the Human Posterior Cingulate Cortex. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 183-198.	2.3	149
123	Limbic frontal cortex in hominoids: A comparative study of area 13. <i>American Journal of Physical Anthropology</i> , 1998, 106, 129-155.	2.1	148
124	Neural correlates of working memory dysfunction in first-episode schizophrenia patients: An fMRI multi-center study. <i>Schizophrenia Research</i> , 2007, 89, 198-210.	2.0	148
125	Representation of Interaural Temporal Information from Left and Right Auditory Space in the Human Planum Temporale and Inferior Parietal Lobe. <i>Cerebral Cortex</i> , 2005, 15, 317-324.	2.9	147
126	High-Resolution Fiber Tract Reconstruction in the Human Brain by Means of Three-Dimensional Polarized Light Imaging. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 34.	2.5	147

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127	A volumetric comparison of the insular cortex and its subregions in primates. <i>Journal of Human Evolution</i> , 2013, 64, 263-279.	2.6	143
128	Quantitative architectural analysis: a new approach to cortical mapping. <i>Anatomy and Embryology</i> , 2005, 210, 373-386.	1.5	142
129	Cortical layers: Cyto-, myelo-, receptor- and synaptic architecture in human cortical areas. <i>NeuroImage</i> , 2019, 197, 716-741.	4.2	142
130	Transmitter receptors and functional anatomy of the cerebral cortex. <i>Journal of Anatomy</i> , 2004, 205, 417-432.	1.5	140
131	Fast Reaction to Different Sensory Modalities Activates Common Fields in the Motor Areas, but the Anterior Cingulate Cortex is Involved in the Speed of Reaction. <i>Journal of Neurophysiology</i> , 2000, 83, 1701-1709.	1.8	139
132	Comparison of fluorotyrosines and methionine uptake in F98 rat gliomas. <i>Nuclear Medicine and Biology</i> , 2003, 30, 501-508.	0.6	139
133	Cytoarchitectonical analysis and probabilistic mapping of two extrastriate areas of the human posterior fusiform gyrus. <i>Brain Structure and Function</i> , 2013, 218, 511-526.	2.3	136
134	Oxidative stress markers in the brain of patients with cirrhosis and hepatic encephalopathy. <i>Hepatology</i> , 2010, 52, 256-265.	7.3	134
135	Phenotype of the Taurine Transporter Knockout Mouse. <i>Methods in Enzymology</i> , 2007, 428, 439-458.	1.0	133
136	Three-Dimensional linear and nonlinear transformations: An integration of light microscopical and MRI data. <i>Human Brain Mapping</i> , 1998, 6, 339-347.	3.6	132
137	Functional Mapping of Human Brain in Olfactory Processing: A PET Study. <i>Journal of Neurophysiology</i> , 2000, 84, 1656-1666.	1.8	132
138	Evolution of the brainstem orofacial motor system in primates: a comparative study of trigeminal, facial, and hypoglossal nuclei. <i>Journal of Human Evolution</i> , 2005, 48, 45-84.	2.6	132
139	The "What" and "When" of Self-Initiated Movements. <i>Cerebral Cortex</i> , 2013, 23, 520-530.	2.9	129
140	On the genetic architecture of cortical folding and brain volume in primates. <i>NeuroImage</i> , 2010, 53, 1103-1108.	4.2	126
141	A stereological approach to human cortical architecture: identification and delineation of cortical areas. <i>Journal of Chemical Neuroanatomy</i> , 2000, 20, 31-47.	2.1	123
142	Cyto-, Myelo-, and Receptor Architectonics of the Human Parietal Cortex. <i>NeuroImage</i> , 2001, 14, S8-S20.	4.2	123
143	The role of the left Brodmann's areas 44 and 45 in reading words and pseudowords. <i>Cognitive Brain Research</i> , 2005, 25, 982-993.	3.0	123
144	Fear Processing and Social Networking in the Absence of a Functional Amygdala. <i>Biological Psychiatry</i> , 2012, 72, 70-77.	1.3	123

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145	Task instructions influence the cognitive strategies involved in line bisection judgements: evidence from modulated neural mechanisms revealed by fMRI. <i>Neuropsychologia</i> , 2002, 40, 119-130.	1.6	121
146	Hierarchical processing of sound location and motion in the human brainstem and planum temporale. <i>European Journal of Neuroscience</i> , 2005, 21, 230-238.	2.6	120
147	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. <i>PLoS Biology</i> , 2020, 18, e3000678.	5.6	120
148	The Somatosensory Cortex of Human: Cytoarchitecture and Regional Distributions of Receptor-Binding Sites. <i>NeuroImage</i> , 1997, 6, 27-45.	4.2	119
149	Fully-automated detection of cerebral water content changes: Study of age- and gender-related H2O patterns with quantitative MRI. <i>NeuroImage</i> , 2006, 29, 910-922.	4.2	119
150	Are action and perception in near and far space additive or interactive factors?. <i>NeuroImage</i> , 2003, 18, 837-846.	4.2	118
151	A quantitative approach to cytoarchitectonics. <i>Anatomy and Embryology</i> , 1981, 162, 81-103.	1.5	117
152	Neuronal correlates of real and illusory contour perception: functional anatomy with PET. <i>European Journal of Neuroscience</i> , 1999, 11, 4024-4036.	2.6	117
153	A quantitative approach to cytoarchitectonics: Analysis of structural inhomogeneities in nervous tissue using an image analyser. <i>Journal of Microscopy</i> , 1990, 157, 367-381.	1.8	116
154	Correlation between Human Personality and Neural Activity in Cerebral Cortex. <i>NeuroImage</i> , 2000, 11, 541-546.	4.2	115
155	Consequences of large interindividual variability for human brain atlases: converging macroscopical imaging and microscopical neuroanatomy. <i>Anatomy and Embryology</i> , 2005, 210, 423-431.	1.5	115
156	When visual perception causes feeling: Enhanced cross-modal processing in grapheme-color synesthesia. <i>NeuroImage</i> , 2005, 28, 859-868.	4.2	114
157	Multiple Transmitter Receptors in Regions and Layers of the Human Cerebral Cortex. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 78.	1.7	114
158	Cortical Gradients and Laminar Projections in Mammals. <i>Trends in Neurosciences</i> , 2018, 41, 775-788.	8.6	114
159	Gender-Specific Left-Right Asymmetries in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 1356-1364.	3.6	112
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