

# Simon B Eickhoff

## List of Publications by Year in descending order

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Version: 2024-02-01

533  
papers

64,636  
citations

1040

113  
h-index

1381

222  
g-index

593  
all docs

593  
docs citations

593  
times ranked

37905  
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.   | 2.1  | 3,746     |
| 2  | The Human Brainnetome Atlas: A New Brain Atlas Based on Connectional Architecture. <i>Cerebral Cortex</i> , 2016, 26, 3508-3526.   | 1.6  | 1,962     |
| 3  | Local-Global Parcellation of the Human Cerebral Cortex from Intrinsic Functional Connectivity MRI. <i>Cerebral Cortex</i> , 2018, 28, 3095-3114.   | 1.6  | 1,804     |
| 4  | 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. | 1.9  | 1,664     |
| 5  | An improved framework for confound regression and filtering for control of motion artifact in the preprocessing of resting-state functional connectivity data. <i>NeuroImage</i> , 2013, 64, 240-256.                  | 2.1  | 1,540     |
| 6  | Situating the default-mode network along a principal gradient of macroscale cortical organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12574-12579.    | 3.3  | 1,481     |
| 7  | Activation likelihood estimation meta-analysis revisited. <i>NeuroImage</i> , 2012, 59, 2349-2361.   | 2.1  | 1,190     |
| 8  | ALE meta-analysis of action observation and imitation in the human brain. <i>NeuroImage</i> , 2010, 50, 1148-1167.   | 2.1  | 1,168     |
| 9  | 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.                                    | 1.2  | 1,084     |
| 10 | Identification of a Common Neurobiological Substrate for Mental Illness. <i>JAMA Psychiatry</i> , 2015, 72, 305.   | 6.0  | 1,050     |
| 11 | Behavioral Interpretations of Intrinsic Connectivity Networks. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 4022-4037.   | 1.1  | 959       |
| 12 | Minimizing within-experiment and within-group effects in activation likelihood estimation meta-analyses. <i>Human Brain Mapping</i> , 2012, 33, 1-13.  | 1.9  | 959       |
| 13 | Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. <i>NeuroImage</i> , 2007, 36, 511-521.  | 2.1  | 881       |
| 14 | Benchmarking of participant-level confound regression strategies for the control of motion artifact in studies of functional connectivity. <i>NeuroImage</i> , 2017, 154, 174-187.                                     | 2.1  | 842       |
| 15 | Modelling neural correlates of working memory: A coordinate-based meta-analysis. <i>NeuroImage</i> , 2012, 60, 830-846.  | 2.1  | 777       |
| 16 | Neural network of cognitive emotion regulation – An ALE meta-analysis and MACM analysis. <i>NeuroImage</i> , 2014, 87, 345-355.  | 2.1  | 719       |
| 17 | Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.  | 13.7 | 634       |
| 18 | Testing anatomically specified hypotheses in functional imaging using cytoarchitectonic maps. <i>NeuroImage</i> , 2006, 32, 570-582.   | 2.1  | 582       |

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|----|--|-----|-----------|
| 19 | Ten simple rules for neuroimaging meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 84, 151-161.  | 2.9 | 564       |
| 20 | Minds at rest? Social cognition as the default mode of cognizing and its putative relationship to the "default system" of the brain. <i>Consciousness and Cognition</i> , 2008, 17, 457-467. | 0.8 | 555       |
| 21 | Behavior, sensitivity, and power of activation likelihood estimation characterized by massive empirical simulation. <i>NeuroImage</i> , 2016, 137, 70-85.                                    | 2.1 | 547       |
| 22 | Is the ADHD brain wired differently? A review on structural and functional connectivity in attention deficit hyperactivity disorder. <i>Human Brain Mapping</i> , 2010, 31, 904-916.         | 1.9 | 528       |
| 23 | Sustaining attention to simple tasks: A meta-analytic review of the neural mechanisms of vigilant attention.. <i>Psychological Bulletin</i> , 2013, 139, 870-900.                            | 5.5 | 512       |
| 24 | Investigating the Functional Heterogeneity of the Default Mode Network Using Coordinate-Based Meta-Analytic Modeling. <i>Journal of Neuroscience</i> , 2009, 29, 14496-14505.                | 1.7 | 510       |
| 25 | Parsing the neural correlates of moral cognition: ALE meta-analysis on morality, theory of mind, and empathy. <i>Brain Structure and Function</i> , 2012, 217, 783-796.                      | 1.2 | 510       |
| 26 | Cortical connectivity after subcortical stroke assessed with functional magnetic resonance imaging. <i>Annals of Neurology</i> , 2008, 63, 236-246.  | 2.8 | 503       |
| 27 | Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , 2017, 20, 299-303.   | 7.1 | 482       |
| 28 | A quantitative meta-analysis and review of motor learning in the human brain. <i>NeuroImage</i> , 2013, 67, 283-297.   | 2.1 | 477       |
| 29 | Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. <i>NeuroImage</i> , 2011, 57, 938-949.   | 2.1 | 449       |
| 30 | Neural correlates of action: Comparing meta-analyses of imagery, observation, and execution. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 31-44.                                | 2.9 | 440       |
| 31 | Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , 2019, 29, 2533-2551.                                | 1.6 | 430       |
| 32 | The Human Parietal Operculum. I. Cytoarchitectonic Mapping of Subdivisions. <i>Cerebral Cortex</i> , 2006, 16, 254-267.  | 1.6 | 423       |
| 33 | Identification of Common Neural Circuit Disruptions in Cognitive Control Across Psychiatric Disorders. <i>American Journal of Psychiatry</i> , 2017, 174, 676-685.                           | 4.0 | 411       |
| 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.       | 2.1 | 406       |
| 35 | The Human Parietal Operculum. II. Stereotaxic Maps and Correlation with Functional Imaging Results. <i>Cerebral Cortex</i> , 2006, 16, 268-279.  | 1.6 | 402       |
| 36 | Minds Made for Sharing: Initiating Joint Attention Recruits Reward-related Neurocircuitry. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2702-2715.                                   | 1.1 | 389       |

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|----|--|-----|-----------|
| 37 | Functional Specialization and Flexibility in Human Association Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3654-3672.   | 1.6 | 361       |
| 38 | Dynamic intra- and interhemispheric interactions during unilateral and bilateral hand movements assessed with fMRI and DCM. <i>NeuroImage</i> , 2008, 41, 1382-1394.           | 2.1 | 356       |
| 39 | The human inferior parietal lobule in stereotaxic space. <i>Brain Structure and Function</i> , 2008, 212, 481-495.   | 1.2 | 355       |
| 40 | Meta-analytical definition and functional connectivity of the human vestibular cortex. <i>NeuroImage</i> , 2012, 60, 162-169.  | 2.1 | 352       |
| 41 | Is There "One" DLPFC in Cognitive Action Control? Evidence for Heterogeneity From Co-Activation-Based Parcellation. <i>Cerebral Cortex</i> , 2013, 23, 2677-2689.              | 1.6 | 350       |
| 42 | ALE meta-analysis workflows via the BrainMap database: Progress towards a probabilistic functional brain atlas. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 23.            | 1.3 | 342       |
| 43 | Probabilistic Maps, Morphometry, and Variability of Cytoarchitectonic Areas in the Human Superior Parietal Cortex. <i>Cerebral Cortex</i> , 2008, 18, 2141-2157.               | 1.6 | 334       |
| 44 | An investigation of the structural, connectional, and functional subspecialization in the human amygdala. <i>Human Brain Mapping</i> , 2013, 34, 3247-3266.                    | 1.9 | 333       |
| 45 | Imaging-based parcellations of the human brain. <i>Nature Reviews Neuroscience</i> , 2018, 19, 672-686.  | 4.9 | 326       |
| 46 | Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. <i>Journal of Neuroscience</i> , 2010, 30, 6409-6421.                   | 1.7 | 324       |
| 47 | Modulating cortical connectivity in stroke patients by rTMS assessed with fMRI and dynamic causal modeling. <i>NeuroImage</i> , 2010, 50, 233-242.                             | 2.1 | 313       |
| 48 | Prefrontal involvement in imitation learning of hand actions: Effects of practice and expertise. <i>NeuroImage</i> , 2007, 37, 1371-1383.                                      | 2.1 | 301       |
| 49 | Naturalizing aesthetics: Brain areas for aesthetic appraisal across sensory modalities. <i>NeuroImage</i> , 2011, 58, 250-258.   | 2.1 | 301       |
| 50 | Multidimensional assessment of empathic abilities: Neural correlates and gender differences. <i>Psychoneuroendocrinology</i> , 2010, 35, 67-82.                                | 1.3 | 293       |
| 51 | Activation likelihood estimation meta-analysis of motor-related neural activity after stroke. <i>NeuroImage</i> , 2012, 59, 2771-2782.   | 2.1 | 289       |
| 52 | The Neural Basis of Drug Stimulus Processing and Craving: An Activation Likelihood Estimation Meta-Analysis. <i>Biological Psychiatry</i> , 2011, 70, 785-793.                 | 0.7 | 286       |
| 53 | Dynamic causal modeling of cortical activity from the acute to the chronic stage after stroke. <i>NeuroImage</i> , 2011, 55, 1147-1158.  | 2.1 | 274       |
| 54 | The role of the right temporoparietal junction in attention and social interaction as revealed by ALE meta-analysis. <i>Brain Structure and Function</i> , 2015, 220, 587-604. | 1.2 | 263       |

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|----|---|-----|-----------|
| 55 | Effects of Low-Frequency Repetitive Transcranial Magnetic Stimulation of the Contralateral Primary Motor Cortex on Movement Kinematics and Neural Activity in Subcortical Stroke. <i>Archives of Neurology</i> , 2008, 65, 741-7. | 4.9 | 256       |
| 56 | Observer-Independent Cytoarchitectonic Mapping of the Human Superior Parietal Cortex. <i>Cerebral Cortex</i> , 2008, 18, 846-867.   | 1.6 | 254       |
| 57 | One-year test-retest reliability of intrinsic connectivity network fMRI in older adults. <i>NeuroImage</i> , 2012, 61, 1471-1483.   | 2.1 | 254       |
| 58 | Brain structure anomalies in autism spectrum disorder—a meta-analysis of VBM studies using anatomic likelihood estimation. <i>Human Brain Mapping</i> , 2012, 33, 1470-1489.  | 1.9 | 251       |
| 59 | Characterization of the temporo-parietal junction by combining data-driven parcellation, complementary connectivity analyses, and functional decoding. <i>NeuroImage</i> , 2013, 81, 381-392.                                     | 2.1 | 250       |
| 60 | Three key regions for supervisory attentional control: Evidence from neuroimaging meta-analyses. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 48, 22-34.   | 2.9 | 248       |
| 61 | Connectivity-based parcellation: Critique and implications. <i>Human Brain Mapping</i> , 2015, 36, 4771-4792.   | 1.9 | 246       |
| 62 | 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.   | 1.6 | 243       |
| 63 | Altered Brain Activity in Unipolar Depression Revisited. <i>JAMA Psychiatry</i> , 2017, 74, 47.   | 6.0 | 235       |
| 64 | Structural Brain Anomalies and Chronic Pain: A Quantitative Meta-Analysis of Gray Matter Volume. <i>Journal of Pain</i> , 2013, 14, 663-675.  | 0.7 | 233       |
| 65 | Heterogeneous impact of motion on fundamental patterns of developmental changes in functional connectivity during youth. <i>NeuroImage</i> , 2013, 83, 45-57.   | 2.1 | 223       |
| 66 | Implementation errors in the GingerALE Software: Description and recommendations. <i>Human Brain Mapping</i> , 2017, 38, 7-11.  | 1.9 | 221       |
| 67 | Dominance of the Right Hemisphere and Role of Area 2 in Human Kinesthesia. <i>Journal of Neurophysiology</i> , 2005, 93, 1020-1034.   | 0.9 | 219       |
| 68 | Brain regions involved in human movement perception: A quantitative voxel-based meta-analysis. <i>Human Brain Mapping</i> , 2012, 33, 431-454.  | 1.9 | 218       |
| 69 | High-resolution MRI reflects myeloarchitecture and cytoarchitecture of human cerebral cortex. <i>Human Brain Mapping</i> , 2005, 24, 206-215.   | 1.9 | 217       |
| 70 | Probabilistic fibre tract analysis of cytoarchitectonically defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , 2011, 58, 362-380.   | 2.1 | 216       |
| 71 | Introspective Minds: Using ALE Meta-Analyses to Study Commonalities in the Neural Correlates of Emotional Processing, Social & Unconstrained Cognition. <i>PLoS ONE</i> , 2012, 7, e30920.  | 1.1 | 216       |
| 72 | Cytoarchitecture and Probabilistic Maps of the Human Posterior Insular Cortex. <i>Cerebral Cortex</i> , 2010, 20, 1448-1461.  | 1.6 | 214       |

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|----|--|-----|-----------|
| 73 | The BrainMap strategy for standardization, sharing, and meta-analysis of neuroimaging data. BMC Research Notes, 2011, 4, 349.  | 0.6 | 214       |
| 74 | The Somatotopic Organization of Cytoarchitectonic Areas on the Human Parietal Operculum. Cerebral Cortex, 2007, 17, 1800-1811.   | 1.6 | 207       |
| 75 | Multimodal Abnormalities of Brain Structure and Function in Major Depressive Disorder: A Meta-Analysis of Neuroimaging Studies. American Journal of Psychiatry, 2020, 177, 422-434.          | 4.0 | 194       |
| 76 | Cytoarchitecture, probability maps and functions of the human frontal pole. NeuroImage, 2014, 93, 260-275.   | 2.1 | 193       |
| 77 | Reinforcement learning models and their neural correlates: An activation likelihood estimation meta-analysis. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 435-459.           | 1.0 | 189       |
| 78 | Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. NeuroImage, 2020, 206, 116276.                 | 2.1 | 187       |
| 79 | Identification of Common Neural Circuit Disruptions in Emotional Processing Across Psychiatric Disorders. American Journal of Psychiatry, 2020, 177, 411-421.                                | 4.0 | 184       |
| 80 | Dose-Dependent Effects of Theta Burst rTMS on Cortical Excitability and Resting-State Connectivity of the Human Motor System. Journal of Neuroscience, 2014, 34, 6849-6859.                  | 1.7 | 183       |
| 81 | Definition and characterization of an extended social-affective default network. Brain Structure and Function, 2015, 220, 1031-1049.   | 1.2 | 183       |
| 82 | A systems perspective on the effective connectivity of overt speech production. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2399-2421. | 1.6 | 182       |
| 83 | Segregation of the human medial prefrontal cortex in social cognition. Frontiers in Human Neuroscience, 2013, 7, 232.  | 1.0 | 179       |
| 84 | Psychosocial versus physiological stress – Meta-analyses on deactivations and activations of the neural correlates of stress reactions. NeuroImage, 2015, 119, 235-251.                      | 2.1 | 179       |
| 85 | Convergent functional architecture of the superior parietal lobule unraveled with multimodal neuroimaging approaches. Human Brain Mapping, 2015, 36, 238-257.                                | 1.9 | 174       |
| 86 | Identifying human parieto-insular vestibular cortex using fMRI and cytoarchitectonic mapping. Human Brain Mapping, 2006, 27, 611-621.  | 1.9 | 173       |
| 87 | Subspecialization in the human posterior medial cortex. NeuroImage, 2015, 106, 55-71.  | 2.1 | 171       |
| 88 | Specialisation in Broca's region for semantic, phonological, and syntactic fluency?. NeuroImage, 2008, 40, 1362-1368.  | 2.1 | 163       |
| 89 | Meta-Analysis in Human Neuroimaging: Computational Modeling of Large-Scale Databases. Annual Review of Neuroscience, 2014, 37, 409-434.  | 5.0 | 162       |
| 90 | A systematic review on the applications of resting-state fMRI in Parkinson's disease: Does dopamine replacement therapy play a role?. Cortex, 2015, 73, 80-105.                              | 1.1 | 161       |

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|-----|--|-----|-----------|
| 91  | How to Characterize the Function of a Brain Region. Trends in Cognitive Sciences, 2018, 22, 350-364.   | 4.0 | 158       |
| 92  | Ventral visual cortex in humans: Cytoarchitectonic mapping of two extrastriate areas. Human Brain Mapping, 2007, 28, 1045-1059.  | 1.9 | 157       |
| 93  | Networks of task co-activations. NeuroImage, 2013, 80, 505-514.  | 2.1 | 154       |
| 94  | Tackling the multifunctional nature of Broca's region meta-analytically: Co-activation-based parcellation of area 44. NeuroImage, 2013, 83, 174-188.   | 2.1 | 154       |
| 95  | Functional neuroimaging of motor control in parkinson's disease: A meta-analysis. Human Brain Mapping, 2014, 35, 3227-3237.  | 1.9 | 148       |
| 96  | Topographic organization of the cerebral cortex and brain cartography. NeuroImage, 2018, 170, 332-347.   | 2.1 | 148       |
| 97  | ALE meta-analysis on facial judgments of trustworthiness and attractiveness. Brain Structure and Function, 2011, 215, 209-223.   | 1.2 | 146       |
| 98  | Brain alterations in children/adolescents with ADHD revisited: A neuroimaging meta-analysis of 96 structural and functional studies. Neuroscience and Biobehavioral Reviews, 2019, 100, 1-8.                                   | 2.9 | 145       |
| 99  | Response Properties of Human Amygdala Subregions: Evidence Based on Functional MRI Combined with Probabilistic Anatomical Maps. PLoS ONE, 2007, 2, e307.   | 1.1 | 144       |
| 100 | Quantitative architectural analysis: a new approach to cortical mapping. Anatomy and Embryology, 2005, 210, 373-386.   | 1.5 | 142       |
| 101 | Meta-Analytic Connectivity Modeling Reveals Differential Functional Connectivity of the Medial and Lateral Orbitofrontal Cortex. Cerebral Cortex, 2014, 24, 232-248.   | 1.6 | 139       |
| 102 | What's in a smile? Neural correlates of facial embodiment during social interaction. Social Neuroscience, 2008, 3, 37-50.  | 0.7 | 137       |
| 103 | Cytoarchitectonical analysis and probabilistic mapping of two extrastriate areas of the human posterior fusiform gyrus. Brain Structure and Function, 2013, 218, 511-526.  | 1.2 | 136       |
| 104 | The role of anterior midcingulate cortex in cognitive motor control. Human Brain Mapping, 2014, 35, 2741-2753.   | 1.9 | 136       |
| 105 | Left inferior parietal lobe engagement in social cognition and language. Neuroscience and Biobehavioral Reviews, 2016, 68, 319-334.  | 2.9 | 136       |
| 106 | Inter-individual variability in cortical excitability and motor network connectivity following multiple blocks of rTMS. NeuroImage, 2015, 118, 209-218.  | 2.1 | 134       |
| 107 | Functional reorganization in obstructive sleep apnoea and insomnia: A systematic review of the resting-state fMRI. Neuroscience and Biobehavioral Reviews, 2017, 77, 219-231.  | 2.9 | 134       |
| 108 | Distinct and common aspects of physical and psychological self-representation in the brain: A meta-analysis of self-bias in facial and self-referential judgements. Neuroscience and Biobehavioral Reviews, 2016, 61, 197-207. | 2.9 | 132       |

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|-----|---|-----|-----------|
| 109 | Gray matter asymmetries in aging and neurodegeneration: A review and meta-analysis. <i>Human Brain Mapping</i> , 2017, 38, 5890-5904.   | 1.9 | 132       |
| 110 | Duration matters: Dissociating neural correlates of detection and evaluation of social gaze. <i>NeuroImage</i> , 2009, 46, 1154-1163.   | 2.1 | 130       |
| 111 | Functional Segregation of the Human Dorsomedial Prefrontal Cortex. <i>Cerebral Cortex</i> , 2016, 26, 304-321.  | 1.6 | 130       |
| 112 | The "What" and "When" of Self-Initiated Movements. <i>Cerebral Cortex</i> , 2013, 23, 520-530.  | 1.6 | 129       |
| 113 | Computing the Social Brain Connectome Across Systems and States. <i>Cerebral Cortex</i> , 2018, 28, 2207-2232.  | 1.6 | 127       |
| 114 | Neural signatures of trust in reciprocity: A coordinate-based meta-analysis. <i>Human Brain Mapping</i> , 2017, 38, 1233-1248.  | 1.9 | 126       |
| 115 | Neural activity in speech-sensitive auditory cortex during silence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 189-194.            | 3.3 | 125       |
| 116 | Coordinate-based meta-analysis of experimentally induced and chronic persistent neuropathic pain. <i>NeuroImage</i> , 2011, 58, 1070-1080.  | 2.1 | 125       |
| 117 | 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.  | 3.3 | 123       |
| 118 | Functional Lateralization of Face, Hand, and Trunk Representation in Anatomically Defined Human Somatosensory Areas. <i>Cerebral Cortex</i> , 2008, 18, 2820-2830.                          | 1.6 | 123       |
| 119 | Towards a human self-regulation system: Common and distinct neural signatures of emotional and behavioural control. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 400-410.      | 2.9 | 123       |
| 120 | Functional connectivity mapping of regions associated with self- and other-processing. <i>Human Brain Mapping</i> , 2015, 36, 1304-1324.  | 1.9 | 121       |
| 121 | Modality-Specific Perceptual Expectations Selectively Modulate Baseline Activity in Auditory, Somatosensory, and Visual Cortices. <i>Cerebral Cortex</i> , 2011, 21, 2850-2862.             | 1.6 | 119       |
| 122 | Predicting personality from network-based resting-state functional connectivity. <i>Brain Structure and Function</i> , 2018, 223, 2699-2719.  | 1.2 | 119       |
| 123 | Functional Heterogeneity of Inferior Parietal Cortex during Mathematical Cognition Assessed with Cytoarchitectonic Probability Maps. <i>Cerebral Cortex</i> , 2009, 19, 2930-2945.          | 1.6 | 116       |
| 124 | Sex Classification by Resting State Brain Connectivity. <i>Cerebral Cortex</i> , 2020, 30, 824-835.   | 1.6 | 115       |
| 125 | Empirical examination of the replicability of associations between brain structure and psychological variables. <i>ELife</i> , 2019, 8, .   | 2.8 | 115       |
| 126 | Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. <i>Human Brain Mapping</i> , 2009, 30, 392-402. | 1.9 | 113       |



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|-----|--|-----|-----------|
| 127 | On the functional anatomy of the urge-for-action. <i>Cognitive Neuroscience</i> , 2011, 2, 227-243.  | 0.6 | 112       |
| 128 | Automated regional behavioral analysis for human brain images. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 23.   | 1.3 | 109       |
| 129 | Changes in grey matter development in autism spectrum disorder. <i>Brain Structure and Function</i> , 2013, 218, 929-942.  | 1.2 | 108       |
| 130 | Noradrenergic enhancement improves motor network connectivity in stroke patients. <i>Annals of Neurology</i> , 2011, 69, 375-388.  | 2.8 | 106       |
| 131 | Shared Neural Phenotypes for Mood and Anxiety Disorders. <i>JAMA Psychiatry</i> , 2020, 77, 172.   | 6.0 | 106       |
| 132 | Approaches for the Integrated Analysis of Structure, Function and Connectivity of the Human Brain. <i>Clinical EEG and Neuroscience</i> , 2011, 42, 107-121.                                   | 0.9 | 105       |
| 133 | Dopaminergic modulation of motor network dynamics in Parkinson's disease. <i>Brain</i> , 2015, 138, 664-678.   | 3.7 | 105       |
| 134 | Identifying Neuroimaging Markers of Motor Disability in Acute Stroke by Machine Learning Techniques. <i>Cerebral Cortex</i> , 2015, 25, 3046-3056.   | 1.6 | 101       |
| 135 | Structural and functional neural adaptations in obstructive sleep apnea: An activation likelihood estimation meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 65, 142-156. | 2.9 | 101       |
| 136 | Resting-state functional reorganization in Parkinson's disease: An activation likelihood estimation meta-analysis. <i>Cortex</i> , 2017, 92, 119-138.  | 1.1 | 101       |
| 137 | Assessing robustness against potential publication bias in Activation Likelihood Estimation (ALE) meta-analyses for fMRI. <i>PLoS ONE</i> , 2018, 13, e0208177.                                | 1.1 | 100       |
| 138 | Multiple large-scale neural networks underlying emotion regulation. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 382-395.  | 2.9 | 100       |
| 139 | Evaluation of non-negative matrix factorization of grey matter in age prediction. <i>NeuroImage</i> , 2018, 173, 394-410.  | 2.1 | 99        |
| 140 | Across-study and within-subject functional connectivity of a right temporo-parietal junction subregion involved in stimulus-context integration. <i>NeuroImage</i> , 2012, 60, 2389-2398.      | 2.1 | 98        |
| 141 | Neurofunctional topography of the human hippocampus. <i>Human Brain Mapping</i> , 2015, 36, 5018-5037.   | 1.9 | 98        |
| 142 | Functional organization of human subgenual cortical areas: Relationship between architectonical segregation and connectional heterogeneity. <i>NeuroImage</i> , 2015, 115, 177-190.            | 2.1 | 98        |
| 143 | Studying variability in human brain aging in a population-based German cohort-rationale and design of 1000BRAINS. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 149.                       | 1.7 | 97        |
| 144 | Handedness and effective connectivity of the motor system. <i>NeuroImage</i> , 2014, 99, 451-460.  | 2.1 | 97        |

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|-----|---|-----|-----------|
| 145 | Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , 2020, 6, .   | 4.7 | 97        |
| 146 | Effects of rTMS on grip force control following subcortical stroke. <i>Experimental Neurology</i> , 2008, 211, 407-412.   | 2.0 | 95        |
| 147 | Network Connectivity and Individual Responses to Brain Stimulation in the Human Motor System. <i>Cerebral Cortex</i> , 2014, 24, 1697-1707.   | 1.6 | 95        |
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