Andreas Hahn

List of Publications by Year
in descending order

89 papers	3,194 citations	172207 29 h-index	189595 50 g-index
106 all docs	106 docs citations	106 times ranked	4709 citing authors

#	Article	IF	Citations
1	Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. Brain Connectivity, 2022, 12, 670-682.	0.8	7
2	Escitalopram modulates learning content-specific neuroplasticity of functional brain networks. NeuroImage, 2022, 247, 118829.	2.1	13
3	Serotonergic modulation of effective connectivity in an associative relearning network during task and rest. NeuroImage, 2022, 249, 118887.	2.1	9
4	White matter microstructure and volume correlates of premenstrual dysphoric disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E67-E76.	1.4	6
5	Learning induces coordinated neuronal plasticity of metabolic demands and functional brain networks. Communications Biology, 2022, 5, 428.	2.0	9
6	Conditional Generative Adversarial Networks Aided Motion Correction of Dynamic ^{18}F-FDG PET Brain Studies. Journal of Nuclear Medicine, 2021, 62, 871-879.	2.8	26
7	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. International Journal of Neuropsychopharmacology, 2021, 24, 542-550.	1.0	15
8	Functional dynamics of dopamine synthesis during monetary reward and punishment processing. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2973-2985.	2.4	17
9	Reliability of task-specific neuronal activation assessed with functional PET, ASL and BOLD imaging. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2986-2999.	2.4	18
10	Dissociations between glucose metabolism and blood oxygenation in the human default mode network revealed by simultaneous PET-fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	39
11	Neuroplastic effects of a selective serotonin reuptake inhibitor in relearning and retrieval. NeuroImage, 2021, 236, 118039.	2.1	16
12	High-dose testosterone treatment reduces monoamine oxidase A levels in the human brain: A preliminary report. Psychoneuroendocrinology, 2021, 133, 105381.	1.3	11
13	First-in-human brain PET imaging of the GluN2B-containing N-methyl-D-aspartate receptor with (R)-11C-Me-NB1. Journal of Nuclear Medicine, 2021, , jnumed.121.262427.	2.8	14
14	Give me a pain that I am used to: distinct habituation patterns to painful and non-painful stimulation. Scientific Reports, 2021, 11, 22929.	1.6	2
15	Brain glucose uptake during transcranial direct current stimulation measured with functional [18F]FDG-PET. Brain Imaging and Behavior, 2020, 14, 477-484.	1.1	5
16	Promise of Fully Integrated PET/MRI: Noninvasive Clinical Quantification of Cerebral Glucose Metabolism. Journal of Nuclear Medicine, 2020, 61, 276-284.	2.8	15
17	Changes in White Matter Microstructure After Electroconvulsive Therapy for Treatment-Resistant Depression. International Journal of Neuropsychopharmacology, 2020, 23, 20-25.	1.0	16
18	Predicting Antidepressant Citalopram Treatment Response via Changes in Brain Functional Connectivity After Acute Intravenous Challenge. Frontiers in Computational Neuroscience, 2020, 14, 554186.	1.2	11

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19	Reinforcement and Punishment Shape the Learning Dynamics in fMRI Neurofeedback. Frontiers in Human Neuroscience, 2020, 14, 304.	1.0	14
20	Topologically Guided Prioritization of Candidate Gene Transcripts Coexpressed with the 5-HT1A Receptor by Combining In Vivo PET and Allen Human Brain Atlas Data. Cerebral Cortex, 2020, 30, 3771-3780.	1.6	10
21	Utility of Absolute Quantification in Non-lesional Extratemporal Lobe Epilepsy Using FDG PET/MR Imaging. Frontiers in Neurology, 2020, 11, 54.	1.1	21
22	Machine learning classification of ADHD and HC by multimodal serotonergic data. Translational Psychiatry, 2020, 10, 104.	2.4	39
23	Fully Integrated PET/MR Imaging for the Assessment of the Relationship Between Functional Connectivity and Glucose Metabolic Rate. Frontiers in Neuroscience, 2020, 14, 252.	1.4	10
24	Reconfiguration of functional brain networks and metabolic cost converge during task performance. ELife, 2020, 9, .	2.8	49
25	Towards quantitative [18F]FDG-PET/MRI of the brain: Automated MR-driven calculation of an image-derived input function for the non-invasive determination of cerebral glucose metabolic rates. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1516-1530.	2.4	42
26	Association between dynamic resting-state functional connectivity and ketamine plasma levels in visual processing networks. Scientific Reports, 2019, 9, 11484.	1.6	13
27	Serotonin Transporter Binding in the Human Brain After Pharmacological Challenge Measured Using PET and PET/MR. Frontiers in Molecular Neuroscience, 2019, 12, 172.	1.4	6
28	Predicting Ventral Striatal Activation During Reward Anticipation From Functional Connectivity at Rest. Frontiers in Human Neuroscience, 2019, 13, 289.	1.0	5
29	Epistasis of HTR1A and BDNF risk genes alters cortical 5-HT1A receptor binding: PET results link genotype to molecular phenotype in depression. Translational Psychiatry, 2019, 9, 5.	2.4	7
30	Modeling the acute pharmacological response to selective serotonin reuptake inhibitors in human brain using simultaneous PET/MR imaging. European Neuropsychopharmacology, 2019, 29, 711-719.	0.3	11
31	Association Between Earliest Amyloid Uptake and Functional Connectivity in Cognitively Unimpaired Elderly. Cerebral Cortex, 2019, 29, 2173-2182.	1.6	39
32	Attenuation Correction Approaches for Serotonin Transporter Quantification With PET/MRI. Frontiers in Physiology, 2019, 10, 1422.	1.3	5
33	Making Sense of Connectivity. International Journal of Neuropsychopharmacology, 2019, 22, 194-207.	1.0	22
34	The effect of electroconvulsive therapy on cerebral monoamine oxidase A expression in treatment-resistant depression investigated using positron emission tomography. Brain Stimulation, 2019, 12, 714-723.	0.7	24
35	Parcellation of the Human Cerebral Cortex Based on Molecular Targets in the Serotonin System Quantified by Positron Emission Tomography In vivo. Cerebral Cortex, 2019, 29, 372-382.	1.6	12
36	The pulvinar nucleus and antidepressant treatment: dynamic modeling of antidepressant response and remission with ultra-high field functional MRI. Molecular Psychiatry, 2019, 24, 746-756.	4.1	23

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37	Task-relevant brain networks identified with simultaneous PET/MR imaging of metabolism and connectivity. Brain Structure and Function, 2018, 223, 1369-1378.	1.2	34
38	Probing the association between serotonin-1A autoreceptor binding and amygdala reactivity in healthy volunteers. NeuroImage, 2018, 171, 1-5.	2.1	6
39	Spatial analysis and high resolution mapping of the human whole-brain transcriptome for integrative analysis in neuroimaging. NeuroImage, 2018, 176, 259-267.	2.1	87
40	Effects of testosterone treatment on hypothalamic neuroplasticity in female-to-male transgender individuals. Brain Structure and Function, 2018, 223, 321-328.	1.2	24
41	F1â€04â€01: POSITIVE ASSOCIATION BETWEEN THE EARLIEST STAGE OF AMYLOID UPTAKE AND FUNCTIONAL CONNECTIVITY IN NONâ€DEMENTED ELDERLY SUBJECTS. Alzheimer's and Dementia, 2018, 14, P206.	0.4	0
42	ICâ€Pâ€036: POSITIVE ASSOCIATION BETWEEN THE EARLIEST STAGE OF AMYLOID UPTAKE AND FUNCTIONAL CONNECTIVITY IN NONâ€DEMENTED ELDERLY SUBJECTS. Alzheimer's and Dementia, 2018, 14, P39.	0.4	0
43	Prediction of Autopsy Verified Neuropathological Change of Alzheimerâ€™s Disease Using Machine Learning and MRI. Frontiers in Aging Neuroscience, 2018, 10, 406.	1.7	26
44	Cortical Thickness Estimations of FreeSurfer and the CAT12 Toolbox in Patients with Alzheimer's Disease and Healthy Controls. Journal of Neuroimaging, 2018, 28, 515-523.	1.0	100
45	Reduced task durations in functional PET imaging with [18F]FDG approaching that of functional MRI. NeuroImage, 2018, 181, 323-330.	2.1	59
46	Default mode network deactivation during emotion processing predicts early antidepressant response. Translational Psychiatry, 2017, 7, e1008-e1008.	2.4	63
47	Simple and rapid quantification of serotonin transporter binding using [11C]DASB bolus plus constant infusion. NeuroImage, 2017, 149, 23-32.	2.1	19
48	PET/MRI for Oncologic Brain Imaging: A Comparison of Standard MR-Based Attenuation Corrections with a Model-Based Approach for the Siemens mMR PET/MR System. Journal of Nuclear Medicine, 2017, 58, 1519-1525.	2.8	27
49	Effects of sex hormone treatment on white matter microstructure in individuals with gender dysphoria. NeuroImage, 2017, 150, 60-67.	2.1	30
50	Association of Protein Distribution and Gene Expression Revealed by PET and Post-Mortem Quantification in the Serotonergic System of the Human Brain. Cerebral Cortex, 2017, 27, 117-130.	1.6	30
51	Imaging the neuroplastic effects of ketamine with VBM and the necessity of placebo control. NeuroImage, 2017, 147, 198-203.	2.1	22
52	Altered interregional molecular associations of the serotonin transporter in attention deficit/hyperactivity disorder assessed with PET. Human Brain Mapping, 2017, 38, 792-802.	1.9	21
53	Modeling Strategies for Quantification of In Vivo ^{18}F-AV-1451 Binding in Patients with Tau Pathology. Journal of Nuclear Medicine, 2017, 58, 623-631.	2.8	53
54	Ketamine-dependent neuronal activation in healthy volunteers. Brain Structure and Function, 2017, 222, 1533-1542.	1.2	36

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55	[P4–502]: THE EARLIEST STAGES OF AMYLOID ACCUMULATION ARE ASSOCIATED WITH INCREASED FUNCTIONAL CONNECTIVITY IN NON–DEMENTED ELDERLY SUBJECTS. Alzheimer's and Dementia, 2017, 13, P1531.	0.4	0
56	Effects of Selective Serotonin Reuptake Inhibitors on Interregional Relation of Serotonin Transporter Availability in Major Depression. Frontiers in Human Neuroscience, 2017, 11, 48.	1.0	50
57	Quantification of Task-Specific Glucose Metabolism with Constant Infusion of ^{18}F-FDG. Journal of Nuclear Medicine, 2016, 57, 1933-1940.	2.8	64
58	Insights into Intrinsic Brain Networks based on Graph Theory and PET in right- compared to left-sided Temporal Lobe Epilepsy. Scientific Reports, 2016, 6, 28513.	1.6	24
59	Gender transition affects neural correlates of empathy: A resting state functional connectivity study with ultra high-field 7T MR imaging. NeuroImage, 2016, 138, 257-265.	2.1	21
60	Subcortical gray matter changes in transgender subjects after long-term cross-sex hormone administration. Psychoneuroendocrinology, 2016, 74, 371-379.	1.3	46
61	Testosterone affects language areas of the adult human brain. Human Brain Mapping, 2016, 37, 1738-1748.	1.9	47
62	Individual Diversity of Functional Brain Network Economy. Brain Connectivity, 2015, 5, 156-165.	0.8	16
63	Interaction between 5-HTTLPR and 5-HT1B genotype status enhances cerebral 5-HT1A receptor binding. NeuroImage, 2015, 111, 505-512.	2.1	12
64	Ketamine-Induced Modulation of the Thalamo-Cortical Network in Healthy Volunteers As a Model for Schizophrenia. International Journal of Neuropsychopharmacology, 2015, 18, pyv040.	1.0	93
65	Voxel-based morphometry at ultra-high fields. A comparison of 7T and 3T MRI data. NeuroImage, 2015, 113, 207-216.	2.1	43
66	Comparison of continuously acquired resting state and extracted analogues from active tasks. Human Brain Mapping, 2015, 36, 4053-4063.	1.9	26
67	Effects of Silexan on the Serotonin-1A Receptor and Microstructure of the Human Brain: A Randomized, Placebo-Controlled, Double-Blind, Cross-Over Study with Molecular and Structural Neuroimaging. International Journal of Neuropsychopharmacology, 2015, 18, pyu063-pyu063.	1.0	49
68	Attenuated serotonin transporter association between dorsal raphe and ventral striatum in major depression. Human Brain Mapping, 2014, 35, 3857-3866.	1.9	50
69	The Norepinephrine Transporter in Attention-Deficit/Hyperactivity Disorder Investigated With Positron Emission Tomography. JAMA Psychiatry, 2014, 71, 1340.	6.0	44
70	Effects of hormone replacement therapy on cerebral serotonin-1A receptor binding in postmenopausal women examined with [carbonyl-11C]WAY-100635. Psychoneuroendocrinology, 2014, 45, 1-10.	1.3	23
71	Relation of progesterone and DHEAS serum levels to 5-HT1A receptor binding potential in pre- and postmenopausal women. Psychoneuroendocrinology, 2014, 46, 52-63.	1.3	19
72	Cerebral serotonin transporter asymmetry in females, males and male-to-female transsexuals measured by PET in vivo. Brain Structure and Function, 2014, 219, 171-183.	1.2	28

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73	Regional differences in SERT occupancy after acute and prolonged SSRI intake investigated by brain PET. NeuroImage, 2014, 88, 252-262.	2.1	54
74	P300 amplitude variation is related to ventral striatum BOLD response during gain and loss anticipation: An EEG and fMRI experiment. NeuroImage, 2014, 96, 12-21.	2.1	129
75	Exploring the Impact of BDNF Val66Met Genotype on Serotonin Transporter and Serotonin-1A Receptor Binding. PLoS ONE, 2014, 9, e106810.	1.1	11
76	Comparing neural response to painful electrical stimulation with functional MRI at 3 and 7T. NeuroImage, 2013, 82, 336-343.	2.1	45
77	Impact of electroconvulsive therapy on 5-HT1A receptor binding in major depression. Molecular Psychiatry, 2013, 18, 1-1.	4.1	10
78	Application of image-derived and venous input functions in major depression using [carbonyl-11C]WAY-100635. Nuclear Medicine and Biology, 2013, 40, 371-377.	0.3	62
79	Global decrease of serotonin-1A receptor binding after electroconvulsive therapy in major depression measured by PET. Molecular Psychiatry, 2013, 18, 93-100.	4.1	98
80	Differential modulation of the default mode network via serotonin-1A receptors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2619-2624.	3.3	109
81	Quantification of the radio-metabolites of the serotonin-1A receptor radioligand [carbonyl-11C]WAY-100635 in human plasma: An HPLC-assay which enables measurement of two patients in parallel. Applied Radiation and Isotopes, 2012, 70, 2730-2736.	0.7	3
82	Combining image-derived and venous input functions enables quantification of serotonin-1A receptors with [carbonyl-11C]WAY-100635 independent of arterial sampling. NeuroImage, 2012, 62, 199-206.	2.1	19
83	Normative database of the serotonergic system in healthy subjects using multi-tracer PET. NeuroImage, 2012, 63, 447-459.	2.1	126
84	Prediction of SSRI treatment response in major depression based on serotonin transporter interplay between median raphe nucleus and projection areas. NeuroImage, 2012, 63, 874-881.	2.1	124
85	Serotonin-1A receptor binding is positively associated with gray matter volume â€" A multimodal neuroimaging study combining PET and structural MRI. NeuroImage, 2012, 63, 1091-1098.	2.1	27
86	Multimodal imaging of an astrocytoma affecting the amygdalar region. European Psychiatry, 2011, 26, 924-924.	0.1	0
87	Reduced resting-state functional connectivity between amygdala and orbitofrontal cortex in social anxiety disorder. NeuroImage, 2011, 56, 881-889.	2.1	353
88	Escitalopram Enhances the Association of Serotonin-1A Autoreceptors to Heteroreceptors in Anxiety Disorders. Journal of Neuroscience, 2010, 30, 14482-14489.	1.7	52
89	Lateralization of the serotonin-1A receptor distribution in language areas revealed by PET. NeuroImage, 2009, 45, 598-605.	2.1	72