

Georg Kranz

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

3,205
citations

126907

33
h-index

182427

51
g-index

129
all docs

129
docs citations

129
times ranked

4771
citing authors

#	ARTICLE	IF	CITATIONS
1	Reward and the serotonergic system. <i>Neuroscience</i> , 2010, 166, 1023-1035.	2.3	220
2	Meta-Analysis of Molecular Imaging of Serotonin Transporters in Major Depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1096-1103.	4.3	131
3	P300 amplitude variation is related to ventral striatum BOLD response during gain and loss anticipation: An EEG and fMRI experiment. <i>NeuroImage</i> , 2014, 96, 12-21.	4.2	129
4	Prediction of SSRI treatment response in major depression based on serotonin transporter interplay between median raphe nucleus and projection areas. <i>NeuroImage</i> , 2012, 63, 874-881.	4.2	124
5	Differential modulation of the default mode network via serotonin-1A receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2619-2624.	7.1	109
6	Cortical Thickness Estimations of FreeSurfer and the CAT12 Toolbox in Patients with Alzheimer's Disease and Healthy Controls. <i>Journal of Neuroimaging</i> , 2018, 28, 515-523.	2.0	100
7	White Matter Microstructure in Transsexuals and Controls Investigated by Diffusion Tensor Imaging. <i>Journal of Neuroscience</i> , 2014, 34, 15466-15475.	3.6	93
8	Ketamine-Induced Modulation of the Thalamo-Cortical Network in Healthy Volunteers As a Model for Schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv040.	2.1	93
9	Clinical factors predicting treatment resistant depression: affirmative results from the European multicenter study. <i>Acta Psychiatrica Scandinavica</i> , 2019, 139, 78-88.	4.5	92
10	Uncertainty during pain anticipation: The adaptive value of preparatory processes. <i>Human Brain Mapping</i> , 2015, 36, 744-755.	3.6	79
11	Stability of low-frequency fluctuation amplitudes in prolonged resting-state fMRI. <i>NeuroImage</i> , 2014, 103, 249-257.	4.2	76
12	High-Dose Testosterone Treatment Increases Serotonin Transporter Binding in Transgender People. <i>Biological Psychiatry</i> , 2015, 78, 525-533.	1.3	75
13	A New Prediction Model for Evaluating Treatment-Resistant Depression. <i>Journal of Clinical Psychiatry</i> , 2017, 78, 215-222.	2.2	73
14	High-resolution functional MRI of the human amygdala at 7T. <i>European Journal of Radiology</i> , 2013, 82, 728-733.	2.6	71
15	Effects of repetitive transcranial magnetic stimulation (rTMS) on craving and substance consumption in patients with substance dependence: a systematic review and meta-analysis. <i>Addiction</i> , 2019, 114, 2137-2149.	3.3	69
16	Structural Connectivity Networks of Transgender People. <i>Cerebral Cortex</i> , 2015, 25, 3527-3534.	2.9	66
17	Cortisol plasma levels in social anxiety disorder patients correlate with serotonin-1A receptor binding in limbic brain regions. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 1129-1143.	2.1	54
18	Regional differences in SERT occupancy after acute and prolonged SSRI intake investigated by brain PET. <i>NeuroImage</i> , 2014, 88, 252-262.	4.2	54

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19	Attenuated serotonin transporter association between dorsal raphe and ventral striatum in major depression. <i>Human Brain Mapping</i> , 2014, 35, 3857-3866.	3.6	50
20	Effects of Selective Serotonin Reuptake Inhibitors on Interregional Relation of Serotonin Transporter Availability in Major Depression. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 48.	2.0	50
21	Gray matter and intrinsic network changes in the posterior cingulate cortex after selective serotonin reuptake inhibitor intake. <i>NeuroImage</i> , 2014, 84, 236-244.	4.2	48
22	Testosterone affects language areas of the adult human brain. <i>Human Brain Mapping</i> , 2016, 37, 1738-1748.	3.6	47
23	Subcortical gray matter changes in transgender subjects after long-term cross-sex hormone administration. <i>Psychoneuroendocrinology</i> , 2016, 74, 371-379.	2.7	46
24	Non-invasive brain stimulation for posttraumatic stress disorder: a systematic review and meta-analysis. <i>Translational Psychiatry</i> , 2020, 10, 168.	4.8	46
25	Comparing neural response to painful electrical stimulation with functional MRI at 3 and 7T. <i>NeuroImage</i> , 2013, 82, 336-343.	4.2	45
26	The Norepinephrine Transporter in Attention-Deficit/Hyperactivity Disorder Investigated With Positron Emission Tomography. <i>JAMA Psychiatry</i> , 2014, 71, 1340.	11.0	44
27	Challenges in the differentiation of midbrain raphe nuclei in neuroimaging research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2000.	7.1	43
28	Voxel-based morphometry at ultra-high fields. A comparison of 7T and 3T MRI data. <i>NeuroImage</i> , 2015, 113, 207-216.	4.2	43
29	Rumination network dysfunction in major depression: A brain connectome study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 98, 109819.	4.8	42
30	(S)-citalopram influences amygdala modulation in healthy subjects: a randomized placebo-controlled double-blind fMRI study using dynamic causal modeling. <i>NeuroImage</i> , 2015, 108, 243-250.	4.2	39
31	Machine learning classification of ADHD and HC by multimodal serotonergic data. <i>Translational Psychiatry</i> , 2020, 10, 104.	4.8	39
32	Effects of norepinephrine transporter gene variants on α - 1 NET binding in ADHD and healthy controls investigated by α - 1 PET. <i>Human Brain Mapping</i> , 2016, 37, 884-895.	3.6	37
33	Ketamine-dependent neuronal activation in healthy volunteers. <i>Brain Structure and Function</i> , 2017, 222, 1533-1542.	2.3	36
34	The Neuroanatomy of Transgender Identity: Mega-Analytic Findings From the ENIGMA Transgender Persons Working Group. <i>Journal of Sexual Medicine</i> , 2021, 18, 1122-1129.	0.6	36
35	Unsmoothed functional MRI of the human amygdala and bed nucleus of the stria terminalis during processing of emotional faces. <i>NeuroImage</i> , 2018, 168, 383-391.	4.2	34
36	Blepharospasm and the modulation of cortical excitability in primary and secondary motor areas. <i>Neurology</i> , 2009, 73, 2031-2036.	1.1	31

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37	Effects of sex hormone treatment on white matter microstructure in individuals with gender dysphoria. <i>NeuroImage</i> , 2017, 150, 60-67.	4.2	30
38	Acute and subsequent continuation electroconvulsive therapy elevates serum BDNF levels in patients with major depression. <i>Brain Stimulation</i> , 2019, 12, 1041-1050.	1.6	30
39	Cerebral serotonin transporter asymmetry in females, males and male-to-female transsexuals measured by PET in vivo. <i>Brain Structure and Function</i> , 2014, 219, 171-183.	2.3	28
40	Serotonin-1A receptor binding is positively associated with gray matter volume – A multimodal neuroimaging study combining PET and structural MRI. <i>NeuroImage</i> , 2012, 63, 1091-1098.	4.2	27
41	Comparison of continuously acquired resting state and extracted analogues from active tasks. <i>Human Brain Mapping</i> , 2015, 36, 4053-4063.	3.6	26
42	Effects of testosterone treatment on hypothalamic neuroplasticity in female-to-male transgender individuals. <i>Brain Structure and Function</i> , 2018, 223, 321-328.	2.3	24
43	The effect of electroconvulsive therapy on cerebral monoamine oxidase A expression in treatment-resistant depression investigated using positron emission tomography. <i>Brain Stimulation</i> , 2019, 12, 714-723.	1.6	24
44	Gender-affirming hormone treatment – A unique approach to study the effects of sex hormones on brain structure and function. <i>Cortex</i> , 2020, 129, 68-79.	2.4	24
45	Effects of hormone replacement therapy on cerebral serotonin-1A receptor binding in postmenopausal women examined with [carbonyl-11C]WAY-100635. <i>Psychoneuroendocrinology</i> , 2014, 45, 1-10.	2.7	23
46	Sex Matters: A Multivariate Pattern Analysis of Sex- and Gender-Related Neuroanatomical Differences in Cis- and Transgender Individuals Using Structural Magnetic Resonance Imaging. <i>Cerebral Cortex</i> , 2020, 30, 1345-1356.	2.9	23
47	Association of norepinephrine transporter methylation with in vivo NET expression and hyperactivity – impulsivity symptoms in ADHD measured with PET. <i>Molecular Psychiatry</i> , 2021, 26, 1009-1018.	7.9	23
48	The influence of the rs6295 gene polymorphism on serotonin-1A receptor distribution investigated with PET in patients with major depression applying machine learning. <i>Translational Psychiatry</i> , 2017, 7, e1150-e1150.	4.8	22
49	Imaging the neuroplastic effects of ketamine with VBM and the necessity of placebo control. <i>NeuroImage</i> , 2017, 147, 198-203.	4.2	22
50	Assessment of Ketamine Binding of the Serotonin Transporter in Humans with Positron Emission Tomography. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 145-153.	2.1	22
51	Brain monoamine oxidase A in seasonal affective disorder and treatment with bright light therapy. <i>Translational Psychiatry</i> , 2018, 8, 198.	4.8	22
52	Gender transition affects neural correlates of empathy: A resting state functional connectivity study with ultra high-field 7T MR imaging. <i>NeuroImage</i> , 2016, 138, 257-265.	4.2	21
53	Task-dependent modulation of amygdala connectivity in social anxiety disorder. <i>Psychiatry Research - Neuroimaging</i> , 2017, 262, 39-46.	1.8	21
54	Altered interregional molecular associations of the serotonin transporter in attention deficit/hyperactivity disorder assessed with PET. <i>Human Brain Mapping</i> , 2017, 38, 792-802.	3.6	21

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55	Effects of non-invasive brain stimulation in multiple sclerosis: systematic review and meta-analysis. <i>Therapeutic Advances in Chronic Disease</i> , 2022, 13, 204062232110691.	2.5	20
56	Relation of progesterone and DHEAS serum levels to 5-HT1A receptor binding potential in pre- and postmenopausal women. <i>Psychoneuroendocrinology</i> , 2014, 46, 52-63.	2.7	19
57	Repetitive enhancement of serum <scp>BDNF</scp> subsequent to continuation <scp>ECT</scp>. <i>Acta Psychiatrica Scandinavica</i> , 2019, 140, 426-434.	4.5	19
58	Progesterone Level Predicts Serotonin-1A Receptor Binding in the Male Human Brain. <i>Neuroendocrinology</i> , 2011, 94, 84-88.	2.5	18
59	Individual Diversity of Functional Brain Network Economy. <i>Brain Connectivity</i> , 2015, 5, 156-165.	1.7	16
60	The intervention, the patient and the illness – Personalizing non-invasive brain stimulation in psychiatry. <i>Experimental Neurology</i> , 2021, 341, 113713.	4.1	15
61	Impact of COMT genotype on serotonin-1A receptor binding investigated with PET. <i>Brain Structure and Function</i> , 2014, 219, 2017-2028.	2.3	13
62	Association between dynamic resting-state functional connectivity and ketamine plasma levels in visual processing networks. <i>Scientific Reports</i> , 2019, 9, 11484.	3.3	13
63	Interaction between 5-HTTLPR and 5-HT1B genotype status enhances cerebral 5-HT1A receptor binding. <i>NeuroImage</i> , 2015, 111, 505-512.	4.2	12
64	Functional Connectome from Phase Synchrony at Resting State is a Neural Fingerprint. <i>Brain Connectivity</i> , 2019, 9, 519-528.	1.7	12
65	Parcellation of the Human Cerebral Cortex Based on Molecular Targets in the Serotonin System Quantified by Positron Emission Tomography In vivo. <i>Cerebral Cortex</i> , 2019, 29, 372-382.	2.9	12
66	Central Adiponectin Signaling – A Metabolic Regulator in Support of Brain Plasticity. <i>Brain Plasticity</i> , 2022, 8, 79-96.	3.5	12
67	High-dose testosterone treatment reduces monoamine oxidase A levels in the human brain: A preliminary report. <i>Psychoneuroendocrinology</i> , 2021, 133, 105381.	2.7	11
68	Exploring the Impact of BDNF Val66Met Genotype on Serotonin Transporter and Serotonin-1A Receptor Binding. <i>PLoS ONE</i> , 2014, 9, e106810.	2.5	11
69	Effects of sex hormones on brain GABA and glutamate levels in a cis- and transgender cohort. <i>Psychoneuroendocrinology</i> , 2022, 138, 105683.	2.7	10
70	Seasonality of antidepressant prescriptions and sick leaves. <i>Journal of Psychiatric Research</i> , 2019, 111, 128-133.	3.1	9
71	Sex and the serotonergic underpinnings of depression and migraine. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 175, 117-140.	1.8	8
72	Epistasis of HTR1A and BDNF risk genes alters cortical 5-HT1A receptor binding: PET results link genotype to molecular phenotype in depression. <i>Translational Psychiatry</i> , 2019, 9, 5.	4.8	7

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73	Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. <i>Brain Connectivity</i> , 2022, 12, 670-682.	1.7	7
74	Probing the association between serotonin-1A autoreceptor binding and amygdala reactivity in healthy volunteers. <i>NeuroImage</i> , 2018, 171, 1-5.	4.2	6
75	Reliability, validity, and clinical utility of a self-reported screening tool in the prediction of fall incidence in older adults. <i>Disability and Rehabilitation</i> , 2020, 42, 3098-3105.	1.8	6
76	Genetics of sex differences in neuroanatomy and function. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 175, 179-193.	1.8	6
77	Neural Processes Underlying Mirror-Induced Visual Illusion: An Activation Likelihood Estimation Meta-Analysis. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 276.	2.0	6
78	Effects of virtual reality in post-stroke aphasia: a systematic review and meta-analysis. <i>Neurological Sciences</i> , 2021, 42, 5249-5259.	1.9	5
79	Probing the Impact of Gender-Affirming Hormone Treatment on Odor Perception. <i>Chemical Senses</i> , 2020, 45, 37-44.	2.0	4
80	Effects of nonsurgical, minimally or noninvasive therapies for urinary incontinence due to neurogenic bladder: a systematic review and meta-analysis. <i>Therapeutic Advances in Chronic Disease</i> , 2022, 13, 204062232110630.	2.5	4
81	Effects of Transcranial Pulse Stimulation (TPS) on Young Adults With Symptom of Depression: A Pilot Randomised Controlled Trial Protocol. <i>Frontiers in Neurology</i> , 2022, 13, 861214.	2.4	4
82	On the suitability of medical analogies, from hypertension to broken leg. <i>World Journal of Biological Psychiatry</i> , 2019, 20, 171-172.	2.6	3
83	Gray Matter Abnormalities in Type 1 and Type 2 Diabetes: A Dual Disorder ALE Quantification. <i>Frontiers in Neuroscience</i> , 2021, 15, 638861.	2.8	3
84	Molecular neuroimaging of the serotonergic system with Positron Emission Tomography. <i>Handbook of Behavioral Neuroscience</i> , 2020, 31, 175-194.	0.7	2
85	Give me a pain that I am used to: distinct habituation patterns to painful and non-painful stimulation. <i>Scientific Reports</i> , 2021, 11, 22929.	3.3	2
86	Functional network characteristics based on EEG of patients in acute ischemic stroke: A pilot study. <i>NeuroRehabilitation</i> , 2022, 51, 455-465.	1.3	2
87	Prediction of steady-state occupancy of the serotonin transporter based on single-dose occupancy: A [¹¹ C]DASB pet study. <i>European Psychiatry</i> , 2011, 26, 929-929.	0.2	1
88	Testosterone, Neural Circuits, and Male Depression. <i>Biological Psychiatry</i> , 2014, 76, 272-273.	1.3	1
89	Commentary: The serotonin transporter in depression: Meta-analysis of in vivo and post mortem findings and implications for understanding and treating depression. <i>Journal of Affective Disorders</i> , 2016, 199, 21-22.	4.1	1
90	Expanding the collection of neuroimaging tools in psychiatry. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 482-483.	2.6	1

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91	Probing the effects of single-session iTBS on associative memory: A prospective, randomized, controlled cross-over study. <i>Brain Stimulation</i> , 2021, 14, 924-926.	1.6	1
92	Are there structural brain changes following 10 days of SSRI administration investigated by voxel-based morphometry?. <i>European Psychiatry</i> , 2011, 26, 913-913.	0.2	0
93	Estradiol level changes correlate with changes in mean diffusivity and fractional anisotropy values in female-to-male transsexuals. <i>European Neuropsychopharmacology</i> , 2016, 26, S202.	0.7	0
94	Influence of serotonergic gene variants on serotonin transporter binding in ADHD. <i>European Neuropsychopharmacology</i> , 2017, 27, S707.	0.7	0
95	Investigating dose dependency of ketamine binding on the serotonin transporter with positron emission tomography. <i>European Neuropsychopharmacology</i> , 2017, 27, S779.	0.7	0
96	Cortical monoamine oxidase â€”a distribution in seasonal affective disorder compared to healthy controls. <i>European Neuropsychopharmacology</i> , 2017, 27, S801-S802.	0.7	0
97	Preface. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 175, ix.	1.8	0
98	Effects of testosterone treatment on hypothalamic microstructure in female-to-male transsexuals. <i>Intrinsic Activity</i> , 2015, 3, A2.27.	0.0	0
99	Elektrokonvulsionstherapie, Hirnstimulationsverfahren. , 2017, , 1-46.		0
100	Elektrokonvulsionstherapie, Hirnstimulationsverfahren. , 2017, , 843-887.		0
101	Denervation Dynamics After Intramuscular BNT Injection in Patients With Focal Spasticity Monitored by MRI and Dynamometryâ€”a Blinded Randomized Controlled Pilot Study. <i>Frontiers in Neurology</i> , 2021, 12, 719030.	2.4	0
102	Protocol for a prospective open-label clinical trial to investigate the utility of concurrent TBS/fNIRS for antidepressant treatment optimisation. <i>BMJ Open</i> , 2022, 12, e053896.	1.9	0