

Alessandro Gozzi

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111
papers

4,628
citations

39
h-index

65
g-index

132
ext. papers

5,847
ext. citations

6.6
avg, IF

5.45
L-index

#	Paper	IF	Citations
111	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior. <i>Nature Neuroscience</i> , 2014 , 17, 400-6	25.5	702
110	A stereotaxic MRI template set for the rat brain with tissue class distribution maps and co-registered anatomical atlas: application to pharmacological MRI. <i>NeuroImage</i> , 2006 , 32, 538-50	7.9	242
109	A neural switch for active and passive fear. <i>Neuron</i> , 2010 , 67, 656-66	13.9	155
108	Distributed BOLD and CBV-weighted resting-state networks in the mouse brain. <i>NeuroImage</i> , 2014 , 87, 403-15	7.9	144
107	Large-scale functional connectivity networks in the rodent brain. <i>NeuroImage</i> , 2016 , 127, 496-509	7.9	131
106	Functional connectivity hubs of the mouse brain. <i>NeuroImage</i> , 2015 , 115, 281-91	7.9	105
105	In vivo mapping of functional connectivity in neurotransmitter systems using pharmacological MRI. <i>NeuroImage</i> , 2007 , 34, 1627-36	7.9	105
104	Differential effects of antipsychotic and glutamatergic agents on the phMRI response to phencyclidine. <i>Neuropsychopharmacology</i> , 2008 , 33, 1690-703	8.7	103
103	Global analysis of transcription kinetics during competence development in <i>Streptococcus pneumoniae</i> using high density DNA arrays. <i>Molecular Microbiology</i> , 2000 , 36, 1279-92	4.1	90
102	Functional magnetic resonance imaging reveals different neural substrates for the effects of orexin-1 and orexin-2 receptor antagonists. <i>PLoS ONE</i> , 2011 , 6, e16406	3.7	87
101	Dominant <i>Ectatinin</i> mutations cause intellectual disability with recognizable syndromic features. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1468-82	15.9	84
100	Neuroimaging evidence of major morpho-anatomical and functional abnormalities in the BTBR T+TF/J mouse model of autism. <i>PLoS ONE</i> , 2013 , 8, e76655	3.7	82
99	1,2,4-triazol-3-yl-thiopropyl-tetrahydrobenzazepines: a series of potent and selective dopamine D(3) receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5076-89	8.3	79
98	The morphology and adhesion mechanism of <i>Octopus vulgaris</i> suckers. <i>PLoS ONE</i> , 2013 , 8, e65074	3.7	77
97	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. <i>NeuroImage</i> , 2020 , 205, 116278	7.9	69
96	Community structure and modularity in networks of correlated brain activity. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 914-20	3.3	67
95	Selective dopamine D(3) receptor antagonist SB-277011-A potentiates phMRI response to acute amphetamine challenge in the rat brain. <i>Synapse</i> , 2004 , 54, 1-10	2.4	66

94	Altered functional connectivity networks in acallosal and socially impaired BTBR mice. <i>Brain Structure and Function</i> , 2016 , 221, 941-54	4	65
93	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. <i>Cerebral Cortex</i> , 2018 , 28, 2192-2206	5.1	65
92	A multimodality investigation of cerebral hemodynamics and autoregulation in pharmacological MRI. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 826-33	3.3	65
91	Autism-associated 16p11.2 microdeletion impairs prefrontal functional connectivity in mouse and human. <i>Brain</i> , 2018 , 141, 2055-2065	11.2	64
90	Region-specific effects of nicotine on brain activity: a pharmacological MRI study in the drug-naïve rat. <i>Neuropsychopharmacology</i> , 2006 , 31, 1690-703	8.7	63
89	Concurrent pharmacological MRI and in situ microdialysis of cocaine reveal a complex relationship between the central hemodynamic response and local dopamine concentration. <i>NeuroImage</i> , 2004 , 23, 296-304	7.9	63
88	Pharmacological modulation of functional connectivity: the correlation structure underlying the phMRI response to d-amphetamine modified by selective dopamine D3 receptor antagonist SB277011A. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 811-20	3.3	60
87	Infraslow State Fluctuations Govern Spontaneous fMRI Network Dynamics. <i>Current Biology</i> , 2019 , 29, 2295-2306.e5	6.3	56
86	Homozygous Loss of Autism-Risk Gene CNTNAP2 Results in Reduced Local and Long-Range Prefrontal Functional Connectivity. <i>Cerebral Cortex</i> , 2018 , 28, 1141-1153	5.1	55
85	Brain-wide Mapping of Endogenous Serotonergic Transmission via Chemogenetic fMRI. <i>Cell Reports</i> , 2017 , 21, 910-918	10.6	51
84	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020 , 105, 600-603	13.9	51
83	A robust experimental protocol for pharmacological fMRI in rats and mice. <i>Journal of Neuroscience Methods</i> , 2012 , 204, 9-18	3	51
82	Community structure in networks of functional connectivity: resolving functional organization in the rat brain with pharmacological MRI. <i>NeuroImage</i> , 2009 , 47, 302-11	7.9	49
81	Pharmacological stimulation of NMDA receptors via co-agonist site suppresses fMRI response to phencyclidine in the rat. <i>Psychopharmacology</i> , 2008 , 201, 273-84	4.7	48
80	Functional MRI using intravascular contrast agents: detrending of the relative cerebrovascular (rCBV) time course. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 1191-200	3.3	47
79	Deletion of the Snord116/SNORD116 Alters Sleep in Mice and Patients with Prader-Willi Syndrome. <i>Sleep</i> , 2016 , 39, 637-44	1.1	46
78	Functional connectivity in the pharmacologically activated brain: resolving networks of correlated responses to d-amphetamine. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 704-13	4.4	46
77	Deletion of Autism Risk Gene Shank3 Disrupts Prefrontal Connectivity. <i>Journal of Neuroscience</i> , 2019 , 39, 5299-5310	6.6	45

76	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. <i>Translational Psychiatry</i> , 2014 , 4, e427	8.6	45
75	COMT Genetic Reduction Produces Sexually Divergent Effects on Cortical Anatomy and Working Memory in Mice and Humans. <i>Cerebral Cortex</i> , 2015 , 25, 2529-41	5.1	44
74	Drug-anaesthetic interaction in pHMRI: the case of the psychotomimetic agent phencyclidine. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 999-1006	3.3	44
73	Modulation of fronto-cortical activity by modafinil: a functional imaging and fos study in the rat. <i>Neuropsychopharmacology</i> , 2012 , 37, 822-37	8.7	41
72	Pharmacological Inhibition of ERK Signaling Rescues Pathophysiology and Behavioral Phenotype Associated with 16p11.2 Chromosomal Deletion in Mice. <i>Journal of Neuroscience</i> , 2018 , 38, 6640-6652	6.6	39
71	Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals. <i>Translational Psychiatry</i> , 2014 , 4, e417	8.6	39
70	Effects of Omega-3 Fatty Acid Supplementation on Cognitive Functions and Neural Substrates: A Voxel-Based Morphometry Study in Aged Mice. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 38	5.3	38
69	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. <i>ELife</i> , 2020 , 9,	8.9	37
68	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , 2020 , 88, 111-128	7.9	36
67	A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice. <i>Translational Psychiatry</i> , 2015 , 5, e512	8.6	34
66	Differential effect of orexin-1 and CRF-1 antagonism on stress circuits: a fMRI study in the rat with the pharmacological stressor Yohimbine. <i>Neuropsychopharmacology</i> , 2013 , 38, 2120-30	8.7	34
65	Brain reinforcement system function is ghrelin dependent: studies in the rat using pharmacological fMRI and intracranial self-stimulation. <i>Addiction Biology</i> , 2012 , 17, 908-19	4.6	33
64	Neuroimaging evidence of altered fronto-cortical and striatal function after prolonged cocaine self-administration in the rat. <i>Neuropsychopharmacology</i> , 2011 , 36, 2431-40	8.7	33
63	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 78	3.9	31
62	Study-level wavelet cluster analysis and data-driven signal models in pharmacological MRI. <i>Journal of Neuroscience Methods</i> , 2007 , 159, 346-60	3	31
61	Semi-automated registration-based anatomical labelling, voxel based morphometry and cortical thickness mapping of the mouse brain. <i>Journal of Neuroscience Methods</i> , 2016 , 267, 62-73	3	30
60	Aberrant Somatosensory Processing and Connectivity in Mice Lacking. <i>Journal of Neuroscience</i> , 2019 , 39, 1525-1538	6.6	30
59	Serotonergic Signaling Controls Input-Specific Synaptic Plasticity at Striatal Circuits. <i>Neuron</i> , 2018 , 98, 801-816.e7	13.9	29

58	The Knockout of Synapsin II in Mice Impairs Social Behavior and Functional Connectivity Generating an ASD-like Phenotype. <i>Cerebral Cortex</i> , 2017 , 27, 5014-5023	5.1	28
57	Reduced limbic metabolism and fronto-cortical volume in rats vulnerable to alcohol addiction. <i>NeuroImage</i> , 2013 , 69, 112-9	7.9	28
56	Functional connectivity in the rat brain: a complex network approach. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 1200-9	3.3	28
55	Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. <i>Neuropsychopharmacology</i> , 2017 , 42, 1420-1434	8.7	27
54	Antagonism at serotonin 5-HT(2A) receptors modulates functional activity of frontohippocampal circuit. <i>Psychopharmacology</i> , 2010 , 209, 37-50	4.7	26
53	Structural covariance networks in the mouse brain. <i>NeuroImage</i> , 2016 , 129, 55-63	7.9	25
52	Adolescence is the starting point of sex-dichotomous COMT genetic effects. <i>Translational Psychiatry</i> , 2017 , 7, e1141	8.6	24
51	Regional, Layer, and Cell-Type-Specific Connectivity of the Mouse Default Mode Network. <i>Neuron</i> , 2021 , 109, 545-559.e8	13.9	23
50	Hierarchical organization of functional connectivity in the mouse brain: a complex network approach. <i>Scientific Reports</i> , 2016 , 6, 32060	4.9	20
49	Can Mouse Imaging Studies Bring Order to Autism Connectivity Chaos?. <i>Frontiers in Neuroscience</i> , 2016 , 10, 484	5.1	19
48	The efficacy of sodium channel blockers to prevent phencyclidine-induced cognitive dysfunction in the rat: potential for novel treatments for schizophrenia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 338, 100-13	4.7	18
47	Functional magnetic resonance mapping of intracerebroventricular infusion of a neuroactive peptide in the anaesthetised rat. <i>Journal of Neuroscience Methods</i> , 2005 , 142, 115-24	3	18
46	Network structure of the mouse brain connectome with voxel resolution. <i>Science Advances</i> , 2020 , 6,	14.3	18
45	USPIO-loaded red blood cells as a biomimetic MR contrast agent: a relaxometric study. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 229-36	3.2	17
44	Brain penetration of local anaesthetics in the rat: Implications for experimental neuroscience. <i>Journal of Neuroscience Methods</i> , 2010 , 186, 143-9	3	16
43	Serotonin depletion causes valproate-responsive manic-like condition and increased hippocampal neuroplasticity that are reversed by stress. <i>Scientific Reports</i> , 2018 , 8, 11847	4.9	13
42	Neuromapping techniques in drug discovery: pharmacological MRI for the assessment of novel antipsychotics. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 1071-82	6.2	13
41	Acute and Repeated Intranasal Oxytocin Differentially Modulate Brain-wide Functional Connectivity. <i>Neuroscience</i> , 2020 , 445, 83-94	3.9	13

40	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes. <i>Molecular Psychiatry</i> , 2021 ,	15.1	13
39	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021 , 12, 2225	17.4	12
38	Effects of cocaine on blood flow and oxygen metabolism in the rat brain: implications for pHMRI. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 795-800	3.3	11
37	Gd-doped BNNTs as T2-weighted MRI contrast agents. <i>Nanotechnology</i> , 2013 , 24, 315101	3.4	10
36	Functional and pharmacological MRI in understanding brain function at a systems level. <i>Current Topics in Behavioral Neurosciences</i> , 2011 , 7, 323-57	3.4	10
35	Unique spatiotemporal fMRI dynamics in the awake mouse brain.. <i>Current Biology</i> , 2021 ,	6.3	10
34	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. <i>Nature Communications</i> , 2021 , 12, 6084	17.4	10
33	Differential Effects of Brain Disorders on Structural and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2016 , 10, 605	5.1	9
32	Inhibition of glycine transporter-1 reduces cue-induced nicotine-seeking, but does not promote extinction of conditioned nicotine cue responding in the rat. <i>Addiction Biology</i> , 2013 , 18, 800-11	4.6	9
31	Group-wise functional community detection through joint Laplacian diagonalization. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 708-15	0.9	9
30	Dysfunctional d-aspartate metabolism in BTBR mouse model of idiopathic autism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140531	4	9
29	Automated multi-subject fiber clustering of mouse brain using dominant sets. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 87	3.9	8
28	The M1/M4 preferring muscarinic agonist xanomeline modulates functional connectivity and NMDAR antagonist-induced changes in the mouse brain. <i>Neuropsychopharmacology</i> , 2021 , 46, 1194-1206	8.7	7
27	Oscillatory brain states govern spontaneous fMRI network dynamics		7
26	pHMRI, neurochemical and behavioral responses to psychostimulants distinguishing genetically selected alcohol-preferring from genetically heterogenous rats. <i>Addiction Biology</i> , 2019 , 24, 981-993	4.6	7
25	Voxel scale complex networks of functional connectivity in the rat brain: neurochemical state dependence of global and local topological properties. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 615709	2.8	6
24	Repeated dexamphetamine treatment alters the dopaminergic system and increases the pHMRI response to methylphenidate. <i>PLoS ONE</i> , 2017 , 12, e0172776	3.7	6
23	Network structure of the mouse brain connectome with voxel resolution		6

22	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology	6
21	Cortical silencing results in paradoxical fMRI overconnectivity	6
20	Automatic White Matter Fiber Clustering Using Dominant Sets 2013 ,	5
19	Deletion of autism risk gene Shank3 disrupts prefrontal connectivity	5
18	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis	5
17	Homozygous loss of autism-risk gene CNTNAP2 results in reduced local and long-range prefrontal functional connectivity	4
16	MultiLink Analysis: Brain Network Comparison via Sparse Connectivity Analysis. <i>Scientific Reports</i> , 2019 , 9, 65	4.9 3
15	Large-scale analysis of neuroimaging data on commercial clouds with content-aware resource allocation strategies. <i>International Journal of High Performance Computing Applications</i> , 2015 , 29, 473-488 ^{1,8}	3
14	Towards Neurosubtypes in Autism	3
13	Regional, layer, and cell-class specific connectivity of the mouse default mode network	3
12	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes	3
11	Brainwide mapping of endogenous serotonergic transmission via chemogenetic-fMRI	3
10	Increased fMRI connectivity upon chemogenetic inhibition of the mouse prefrontal cortex.. <i>Nature Communications</i> , 2022 , 13, 1056	17.4 3
9	Mouse neuroimaging phenotyping in the cloud 2012 ,	2
8	A cross-species link between mTOR-related synaptic pathology and functional hyperconnectivity in autism	2
7	Mapping the Connectional Architecture of the Rodent Brain with fMRI 2017 , 527-551	1
6	Automatic Tractography Analysis through Sparse Networks in Case-Control Studies 2012 ,	1
5	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women	1

4	Toward next-generation primate neuroscience: A collaboration-based strategic plan for integrative neuroimaging. <i>Neuron</i> , 2021 ,	13.9	1
3	Abnormal Whisker-Dependent Behaviors and Altered Cortico-Hippocampal Connectivity in Shank3b ^{-/-} Mice. <i>Cerebral Cortex</i> , 2021 ,	5.1	1
2	Acute and repeated intranasal oxytocin differentially modulate brain-wide functional connectivity		1
1	Somatosensory cortex hyperconnectivity and impaired whisker-dependent responses in Cntnap2 mice.. <i>Neurobiology of Disease</i> , 2022 , 105742	7.5	0