Alessandro Gozzi

List of Publications by Year in Descending Order

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	Increased fMRI connectivity upon chemogenetic inhibition of the mouse prefrontal cortex.. *Nature Communications*, **2022**, 13, 1056	17.4	3
110	Somatosensory cortex hyperconnectivity and impaired whisker-dependent responses in Cntnap2 mice.. *Neurobiology of Disease*, **2022**, 105742	7.5	0
109	Unique spatiotemporal fMRI dynamics in the awake mouse brain.. *Current Biology*, **2021**,	6.3	10
108	Toward next-generation primate neuroscience: A collaboration-based strategic plan for integrative neuroimaging. *Neuron*, **2021**,	13.9	1
107	Abnormal Whisker-Dependent Behaviors and Altered Cortico-Hippocampal Connectivity in Shank3b-/- Mice. *Cerebral Cortex*, **2021**,	5.1	1
106	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. *Nature Communications*, **2021**, 12, 6084	17.4	10
105	The M1/M4 preferring muscarinic agonist xanomeline modulates functional connectivity and NMDAR antagonist-induced changes in the mouse brain. *Neuropsychopharmacology*, **2021**, 46, 1194-1206	8.7	7
104	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. *Nature Communications*, **2021**, 12, 2225	17.4	12
103	Regional, Layer, and Cell-Type-Specific Connectivity of the Mouse Default Mode Network. *Neuron*, **2021**, 109, 545-559.e8	13.9	23
102	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes. *Molecular Psychiatry*, **2021**,	15.1	13
101	Accelerating the Evolution of Nonhuman Primate Neuroimaging. *Neuron*, **2020**, 105, 600-603	13.9	51
100	Toward Neurosubtypes in Autism. *Biological Psychiatry*, **2020**, 88, 111-128	7.9	36
99	Network structure of the mouse brain connectome with voxel resolution. *Science Advances*, **2020**, 6,	14.3	18
98	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. *ELife*, **2020**, 9,	8.9	37
97	Acute and Repeated Intranasal Oxytocin Differentially Modulate Brain-wide Functional Connectivity. *Neuroscience*, **2020**, 445, 83-94	3.9	13
96	Dysfunctional d-aspartate metabolism in BTBR mouse model of idiopathic autism. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140531	4	9
95	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. *NeuroImage*, **2020**, 205, 116278	7.9	69

94	MultiLink Analysis: Brain Network Comparison via Sparse Connectivity Analysis. *Scientific Reports*, **2019**, 9, 65	4.9	3
93	Deletion of Autism Risk Gene Shank3 Disrupts Prefrontal Connectivity. *Journal of Neuroscience*, **2019**, 39, 5299-5310	6.6	45
92	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. *Frontiers in Neuroinformatics*, **2019**, 13, 78	3.9	31
91	Infraslow State Fluctuations Govern Spontaneous fMRI Network Dynamics. *Current Biology*, **2019**, 29, 2295-2306.e5	6.3	56
90	Aberrant Somatosensory Processing and Connectivity in Mice Lacking. *Journal of Neuroscience*, **2019**, 39, 1525-1538	6.6	30
89	phMRI, neurochemical and behavioral responses to psychostimulants distinguishing genetically selected alcohol-preferring from genetically heterogenous rats. *Addiction Biology*, **2019**, 24, 981-993	4.6	7
88	Serotonergic Signaling Controls Input-Specific Synaptic Plasticity at Striatal Circuits. *Neuron*, **2018**, 98, 801-816.e7	13.9	29
87	Autism-associated 16p11.2 microdeletion impairs prefrontal functional connectivity in mouse and human. *Brain*, **2018**, 141, 2055-2065	11.2	64
86	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. *Cerebral Cortex*, **2018**, 28, 2192-2206	5.1	65
85	Homozygous Loss of Autism-Risk Gene CNTNAP2 Results in Reduced Local and Long-Range Prefrontal Functional Connectivity. *Cerebral Cortex*, **2018**, 28, 1141-1153	5.1	55
84	Pharmacological Inhibition of ERK Signaling Rescues Pathophysiology and Behavioral Phenotype Associated with 16p11.2 Chromosomal Deletion in Mice. *Journal of Neuroscience*, **2018**, 38, 6640-6652	6.6	39
83	Serotonin depletion causes valproate-responsive manic-like condition and increased hippocampal neuroplasticity that are reversed by stress. *Scientific Reports*, **2018**, 8, 11847	4.9	13
82	Adolescence is the starting point of sex-dichotomous COMT genetic effects. *Translational Psychiatry*, **2017**, 7, e1141	8.6	24
81	Mapping the Connectional Architecture of the Rodent Brain with fMRI **2017**, 527-551		1
80	Intranasal Oxytocin and Vasopressin Modulate Divergent Brainwide Functional Substrates. *Neuropsychopharmacology*, **2017**, 42, 1420-1434	8.7	27
79	Brain-wide Mapping of Endogenous Serotonergic Transmission via Chemogenetic fMRI. *Cell Reports* , **2017**, 21, 910-918	10.6	51
78	The Knockout of Synapsin II in Mice Impairs Social Behavior and Functional Connectivity Generating an ASD-like Phenotype. *Cerebral Cortex*, **2017**, 27, 5014-5023	5.1	28
77	Repeated dexamphetamine treatment alters the dopaminergic system and increases the phMRI response to methylphenidate. *PLoS ONE*, **2017**, 12, e0172776	3.7	6

76	Altered functional connectivity networks in acallosal and socially impaired BTBR mice. *Brain Structure and Function*, **2016**, 221, 941-54	4	65
75	Hierarchical organization of functional connectivity in the mouse brain: a complex network approach. *Scientific Reports*, **2016**, 6, 32060	4.9	20
74	Deletion of the Snord116/SNORD116 Alters Sleep in Mice and Patients with Prader-Willi Syndrome. *Sleep*, **2016**, 39, 637-44	1.1	46
73	Structural covariance networks in the mouse brain. *NeuroImage*, **2016**, 129, 55-63	7.9	25
72	Large-scale functional connectivity networks in the rodent brain. *NeuroImage*, **2016**, 127, 496-509	7.9	131
71	Differential Effects of Brain Disorders on Structural and Functional Connectivity. *Frontiers in Neuroscience*, **2016**, 10, 605	5.1	9
70	Effects of Omega-3 Fatty Acid Supplementation on Cognitive Functions and Neural Substrates: A Voxel-Based Morphometry Study in Aged Mice. *Frontiers in Aging Neuroscience*, **2016**, 8, 38	5.3	38
69	Can Mouse Imaging Studies Bring Order to Autism Connectivity Chaos?. *Frontiers in Neuroscience*, **2016**, 10, 484	5.1	19
68	Semi-automated registration-based anatomical labelling, voxel based morphometry and cortical thickness mapping of the mouse brain. *Journal of Neuroscience Methods*, **2016**, 267, 62-73	3	30
67	Functional connectivity hubs of the mouse brain. *NeuroImage*, **2015**, 115, 281-91	7.9	105
66	A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice. *Translational Psychiatry*, **2015**, 5, e512	8.6	34
65	Large-scale analysis of neuroimaging data on commercial clouds with content-aware resource allocation strategies. *International Journal of High Performance Computing Applications*, **2015**, 29, 473-488	1.8	3
64	COMT Genetic Reduction Produces Sexually Divergent Effects on Cortical Anatomy and Working Memory in Mice and Humans. *Cerebral Cortex*, **2015**, 25, 2529-41	5.1	44
63	Distributed BOLD and CBV-weighted resting-state networks in the mouse brain. *NeuroImage*, **2014**, 87, 403-15	7.9	144
62	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior. *Nature Neuroscience*, **2014**, 17, 400-6	25.5	702
61	USPIO-loaded red blood cells as a biomimetic MR contrast agent: a relaxometric study. *Contrast Media and Molecular Imaging*, **2014**, 9, 229-36	3.2	17
60	Automated multi-subject fiber clustering of mouse brain using dominant sets. *Frontiers in Neuroinformatics*, **2014**, 8, 87	3.9	8
59	Dominant Ecatenin mutations cause intellectual disability with recognizable syndromic features. *Journal of Clinical Investigation*, **2014**, 124, 1468-82	15.9	84

58	Dysfunctional dopaminergic neurotransmission in asocial BTBR mice. *Translational Psychiatry*, **2014**, 4, e427	8.6	45
57	Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, gray matter volume and brain activity in mammals. *Translational Psychiatry*, **2014**, 4, e417	8.6	39
56	Group-wise functional community detection through joint Laplacian diagonalization. *Lecture Notes in Computer Science*, **2014**, 17, 708-15	0.9	9
55	Reduced limbic metabolism and fronto-cortical volume in rats vulnerable to alcohol addiction. *NeuroImage*, **2013**, 69, 112-9	7.9	28
54	Differential effect of orexin-1 and CRF-1 antagonism on stress circuits: a fMRI study in the rat with the pharmacological stressor Yohimbine. *Neuropsychopharmacology*, **2013**, 38, 2120-30	8.7	34
53	Inhibition of glycine transporter-1 reduces cue-induced nicotine-seeking, but does not promote extinction of conditioned nicotine cue responding in the rat. *Addiction Biology*, **2013**, 18, 800-11	4.6	9
52	Automatic White Matter Fiber Clustering Using Dominant Sets **2013**,		5
51	Gd-doped BNNTs as T2-weighted MRI contrast agents. *Nanotechnology*, **2013**, 24, 315101	3.4	10
50	Neuroimaging evidence of major morpho-anatomical and functional abnormalities in the BTBR T+TF/J mouse model of autism. *PLoS ONE*, **2013**, 8, e76655	3.7	82
49	The morphology and adhesion mechanism of Octopus vulgaris suckers. *PLoS ONE*, **2013**, 8, e65074	3.7	77
48	A robust experimental protocol for pharmacological fMRI in rats and mice. *Journal of Neuroscience Methods*, **2012**, 204, 9-18	3	51
47	Mouse neuroimaging phenotyping in the cloud **2012**,		2
46	Automatic Tractography Analysis through Sparse Networks in Case-Control Studies **2012**,		1
45	Brain reinforcement system function is ghrelin dependent: studies in the rat using pharmacological fMRI and intracranial self-stimulation. *Addiction Biology*, **2012**, 17, 908-19	4.6	33
44	Modulation of fronto-cortical activity by modafinil: a functional imaging and fos study in the rat. *Neuropsychopharmacology*, **2012**, 37, 822-37	8.7	41
43	Neuromapping techniques in drug discovery: pharmacological MRI for the assessment of novel antipsychotics. *Expert Opinion on Drug Discovery*, **2012**, 7, 1071-82	6.2	13
42	Voxel scale complex networks of functional connectivity in the rat brain: neurochemical state dependence of global and local topological properties. *Computational and Mathematical Methods in Medicine*, **2012**, 2012, 615709	2.8	6
41	Functional and pharmacological MRI in understanding brain function at a systems level. *Current Topics in Behavioral Neurosciences*, **2011**, 7, 323-57	3.4	10

40	The efficacy of sodium channel blockers to prevent phencyclidine-induced cognitive dysfunction in the rat: potential for novel treatments for schizophrenia. *Journal of Pharmacology and Experimental Therapeutics*, **2011**, 338, 100-13	4.7	18
39	Neuroimaging evidence of altered fronto-cortical and striatal function after prolonged cocaine self-administration in the rat. *Neuropsychopharmacology*, **2011**, 36, 2431-40	8.7	33
38	Functional magnetic resonance imaging reveals different neural substrates for the effects of orexin-1 and orexin-2 receptor antagonists. *PLoS ONE*, **2011**, 6, e16406	3.7	87
37	A neural switch for active and passive fear. *Neuron*, **2010**, 67, 656-66	13.9	155
36	Antagonism at serotonin 5-HT(2A) receptors modulates functional activity of frontohippocampal circuit. *Psychopharmacology*, **2010**, 209, 37-50	4.7	26
35	Functional connectivity in the rat brain: a complex network approach. *Magnetic Resonance Imaging*, **2010**, 28, 1200-9	3.3	28
34	Brain penetration of local anaesthetics in the rat: Implications for experimental neuroscience. *Journal of Neuroscience Methods*, **2010**, 186, 143-9	3	16
33	Community structure in networks of functional connectivity: resolving functional organization in the rat brain with pharmacological MRI. *NeuroImage*, **2009**, 47, 302-11	7.9	49
32	Differential effects of antipsychotic and glutamatergic agents on the phMRI response to phencyclidine. *Neuropsychopharmacology*, **2008**, 33, 1690-703	8.7	103
31	Drug-anaesthetic interaction in phMRI: the case of the psychotomimetic agent phencyclidine. *Magnetic Resonance Imaging*, **2008**, 26, 999-1006	3.3	44
30	Pharmacological stimulation of NMDA receptors via co-agonist site suppresses fMRI response to phencyclidine in the rat. *Psychopharmacology*, **2008**, 201, 273-84	4.7	48
29	Community structure and modularity in networks of correlated brain activity. *Magnetic Resonance Imaging*, **2008**, 26, 914-20	3.3	67
28	1,2,4-triazol-3-yl-thiopropyl-tetrahydrobenzazepines: a series of potent and selective dopamine D(3) receptor antagonists. *Journal of Medicinal Chemistry*, **2007**, 50, 5076-89	8.3	79
27	Functional connectivity in the pharmacologically activated brain: resolving networks of correlated responses to d-amphetamine. *Magnetic Resonance in Medicine*, **2007**, 57, 704-13	4.4	46
26	Effects of cocaine on blood flow and oxygen metabolism in the rat brain: implications for phMRI. *Magnetic Resonance Imaging*, **2007**, 25, 795-800	3.3	11
25	A multimodality investigation of cerebral hemodynamics and autoregulation in pharmacological MRI. *Magnetic Resonance Imaging*, **2007**, 25, 826-33	3.3	65
24	Pharmacological modulation of functional connectivity: the correlation structure underlying the phMRI response to d-amphetamine modified by selective dopamine D3 receptor antagonist SB277011A. *Magnetic Resonance Imaging*, **2007**, 25, 811-20	3.3	60
23	Study-level wavelet cluster analysis and data-driven signal models in pharmacological MRI. *Journal of Neuroscience Methods*, **2007**, 159, 346-60	3	31

22	In vivo mapping of functional connectivity in neurotransmitter systems using pharmacological MRI. *NeuroImage*, **2007**, 34, 1627-36	7.9	105
21	Region-specific effects of nicotine on brain activity: a pharmacological MRI study in the drug-naïve rat. *Neuropsychopharmacology*, **2006**, 31, 1690-703	8.7	63
20	A stereotaxic MRI template set for the rat brain with tissue class distribution maps and co-registered anatomical atlas: application to pharmacological MRI. *NeuroImage*, **2006**, 32, 538-50	7.9	242
19	Functional magnetic resonance mapping of intracerebroventricular infusion of a neuroactive peptide in the anaesthetised rat. *Journal of Neuroscience Methods*, **2005**, 142, 115-24	3	18
18	Selective dopamine D(3) receptor antagonist SB-277011-A potentiates phMRI response to acute amphetamine challenge in the rat brain. *Synapse*, **2004**, 54, 1-10	2.4	66
17	Concurrent pharmacological MRI and in situ microdialysis of cocaine reveal a complex relationship between the central hemodynamic response and local dopamine concentration. *NeuroImage*, **2004**, 23, 296-304	7.9	63
16	Functional MRI using intravascular contrast agents: detrending of the relative cerebrovascular (rCBV) time course. *Magnetic Resonance Imaging*, **2003**, 21, 1191-200	3.3	47
15	Global analysis of transcription kinetics during competence development in Streptococcus pneumoniae using high density DNA arrays. *Molecular Microbiology*, **2000**, 36, 1279-92	4.1	90
14	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women		1
13	Towards Neurosubtypes in Autism		3
12	Regional, layer, and cell-class specific connectivity of the mouse default mode network		3
11	Acute and repeated intranasal oxytocin differentially modulate brain-wide functional connectivity		1
10	Homozygous loss of autism-risk geneCNTNAP2results in reduced local and long-range prefrontal functional connectivity		4
9	Network structure of the mouse brain connectome with voxel resolution		6
8	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology		6
7	Cortical silencing results in paradoxical fMRI overconnectivity		6
6	A cross-species link between mTOR-related synaptic pathology and functional hyperconnectivity in autism		2
5	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes		3

4	Oscillatory brain states govern spontaneous fMRI network dynamics	7
3	Deletion of autism risk gene Shank3 disrupts prefrontal connectivity	5
2	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis	5
1	Brainwide mapping of endogenous serotonergic transmission via chemogenetic-fMRI	3