Danilo Bzdok

List of Publications by Year
in descending order

111 papers	8,613 citations	66343 42 h-index	58581 82 g-index
144 all docs	144 docs citations	144 times ranked	10155 citing authors

#	Article	IF	Citations
1	Diagnosing as autistic people increasingly distant from prototypes lead neither to clinical benefit nor to the advancement of knowledge. Molecular Psychiatry, 2022, 27, 773-775.	7.9	5
2	Sex-specific lesion pattern of functional outcomes after stroke. Brain Communications, 2022, 4, fcac020.	3.3	8
3	Lacking social support is associated with structural divergences in hippocampus–default network co-variation patterns. Social Cognitive and Affective Neuroscience, 2022, 17, 802-818.	3.0	2
4	Multivariate, Transgenerational Associations of the COVID-19 Pandemic Across Minoritized and Marginalized Communities. JAMA Psychiatry, 2022, 79, 350.	11.0	23
5	More Than Meets the Eye: Art Engages the Social Brain. Frontiers in Neuroscience, 2022, 16, 738865.	2.8	6
6	Trips and neurotransmitters: Discovering principled patterns across 6850 hallucinogenic experiences. Science Advances, 2022, 8, eabl6989.	10.3	34
7	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity. Science Advances, 2022, 8, eabj1812.	10.3	45
8	Recovery after stroke: the severely impaired are a distinct group. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 369-378.	1.9	8
9	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study. Nature Communications, 2022, 13, 2217.	12.8	67
10	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. PLoS Biology, 2022, 20, e3001627.	5.6	17
11	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. Nature Neuroscience, 2022, 25, 795-804.	14.8	29
12	Human brain anatomy reflects separable genetic and environmental components of socioeconomic status. Science Advances, 2022, 8, eabm2923.	10.3	11
13	Pattern learning reveals brain asymmetry to be linked to socioeconomic status. Cerebral Cortex Communications, 2022, 3, .	1.6	3
14	Population variation in social brain morphology: Links to socioeconomic status and health disparity. Social Neuroscience, 2022, 17, 305-327.	1.3	1
15	From YouTube to the brain: Transfer learning can improve brain-imaging predictions with deep learning. Neural Networks, 2022, 153, 325-338.	5.9	8
16	Interacting brains revisited: A cross-brain network neuroscience perspective. Human Brain Mapping, 2022, 43, 4458-4474.	3.6	6
17	A guided multiverse study of neuroimaging analyses. Nature Communications, 2022, 13, .	12.8	23
18	Prediction, Not Association, Paves the Road to Precision Medicine. JAMA Psychiatry, 2021, 78, 127.	11.0	76

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19	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. NeuroImage, 2021, 224, 117429.	4.2	54
20	Deep learning identifies partially overlapping subnetworks in the human social brain. Communications Biology, 2021, 4, 65.	4.4	11
21	Loneliness and Neurocognitive Aging. Advances in Geriatric Medicine and Research, 2021, 3, .	0.6	4
22	Mapping gene transcription and neurocognition across human neocortex. Nature Human Behaviour, 2021, 5, 1240-1250.	12.0	86
23	Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients. Nature Communications, 2021, 12, 1970.	12.8	108
24	Functional specialization within the inferior parietal lobes across cognitive domains. ELife, 2021, 10, .	6.0	65
25	Generative lesion pattern decomposition of cognitive impairment after stroke. Brain Communications, 2021, 3, fcab110.	3.3	20
26	Variability in Brain Structure and Function Reflects Lack of Peer Support. Cerebral Cortex, 2021, 31, 4612-4627.	2.9	22
27	Dissecting the midlife crisis: disentangling social, personality and demographic determinants in social brain anatomy. Communications Biology, 2021, 4, 728.	4.4	18
28	Outcome after acute ischemic stroke is linked to sex-specific lesion patterns. Nature Communications, 2021, 12, 3289.	12.8	50
29	Effects of eight neuropsychiatric copy number variants on human brain structure. Translational Psychiatry, 2021, 11, 399.	4.8	18
30	How does hemispheric specialization contribute to human-defining cognition?. Neuron, 2021, 109, 2075-2090.	8.1	47
31	Educating the future generation of researchers: A cross-disciplinary survey of trends in analysis methods. PLoS Biology, 2021, 19, e3001313.	5.6	8
32	Connectivity alterations in autism reflect functional idiosyncrasy. Communications Biology, 2021, 4, 1078.	4.4	25
33	Decision Models and Technology Can Help Psychiatry Develop Biomarkers. Frontiers in Psychiatry, 2021, 12, 706655.	2.6	9
34	A cognitive fingerprint in human random number generation. Scientific Reports, 2021, 11, 20217.	3.3	4
35	Population modeling with machine learning can enhance measures of mental health. GigaScience, 2021, 10, .	6.4	23
36	Loneliness is linked to specific subregional alterations in hippocampus-default network covariation. Journal of Neurophysiology, 2021, 126, 2138-2157.	1.8	8

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37	The meaning of significant mean group differences for biomarker discovery. PLoS Computational Biology, 2021, 17, e1009477.	3.2	26
38	Adapting to the COVID–19 pandemic in cohort studies: Validation of online assessments of cognition and neuropsychiatric symptoms in an aging population. Alzheimer's and Dementia, 2021, 17, .	0.8	0
39	Tau–PET is associated with knowledge of COVID–19, COVID–19–related distress, and change in sleep quality during the pandemic. Alzheimer's and Dementia, 2021, 17, .	0.8	0
40	Tau–load in the lingual gyrus impacts anxiety levels during the COVID–19 pandemic in participants of longitudinal observational studies in aging. Alzheimer's and Dementia, 2021, 17, .	0.8	0
41	Cognitive health mediates the effect of hippocampal volume on COVID–19–related knowledge or anxiety change during the COVID–19 pandemic. Alzheimer's and Dementia, 2021, 17, .	0.8	0
42	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. NeuroImage, 2020, 206, 116276.	4.2	187
43	What matters and what is possible in neuroimaging meta-analyses (of psychopathy). Molecular Psychiatry, 2020, 25, 3125-3126.	7.9	0
44	Inference and Prediction Diverge in Biomedicine. Patterns, 2020, 1, 100119.	5.9	42
45	Patterns of autism symptoms: hidden structure in the ADOS and ADI-R instruments. Translational Psychiatry, 2020, 10, 257.	4.8	19
46	Different scaling of linear models and deep learning in UKBiobank brain images versus machine-learning datasets. Nature Communications, 2020, 11, 4238.	12.8	156
47	Neurocognitive patterns dissociating semantic processing from executive control are linked to more detailed off-task mental time travel. Scientific Reports, 2020, 10, 11904.	3.3	8
48	Inferring disease subtypes from clusters in explanation space. Scientific Reports, 2020, 10, 12900.	3.3	16
49	The default network of the human brain is associated with perceived social isolation. Nature Communications, 2020, 11, 6393.	12.8	108
50	Autism spectrum heterogeneity: fact or artifact?. Molecular Psychiatry, 2020, 25, 3178-3185.	7.9	157
51	The Neurobiology of Social Distance. Trends in Cognitive Sciences, 2020, 24, 717-733.	7.8	156
52	Dark control: The default mode network as a reinforcement learning agent. Human Brain Mapping, 2020, 41, 3318-3341.	3.6	73
53	Population variability in social brain morphology for social support, household size and friendship satisfaction. Social Cognitive and Affective Neuroscience, 2020, 15, 635-647.	3.0	13
54	Multi–scale network regression for brain–phenotype associations. Human Brain Mapping, 2020, 41, 2553-2566.	3.6	24

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55	Bringing proportional recovery into proportion: Bayesian modelling of post-stroke motor impairment. Brain, 2020, 143, 2189-2206.	7.6	35
56	Predictive Pattern Classification Can Distinguish Gender Identity Subtypes from Behavior and Brain Imaging. Cerebral Cortex, 2020, 30, 2755-2765.	2.9	21
57	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. NeuroImage, 2020, 216, 116745.	4.2	163
58	Analysing brain networks in population neuroscience: a case for the Bayesian philosophy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190661.	4.0	27
59	10,000 social brains: Sex differentiation in human brain anatomy. Science Advances, 2020, 6, eaaz1170.	10.3	55
60	Myeloarchitecture gradients in the human insula: Histological underpinnings and association to intrinsic functional connectivity. NeuroImage, 2020, 216, 116859.	4.2	51
61	Metaâ€analytic evidence for a joint neural mechanism underlying response inhibition and state anger. Human Brain Mapping, 2020, 41, 3147-3160.	3.6	25
62	A view behind the mask of sanity: meta-analysis of aberrant brain activity in psychopaths. Molecular Psychiatry, 2019, 24, 463-470.	7.9	76
63	Building blocks of social cognition: Mirror, mentalize, share?. Cortex, 2019, 118, 4-18.	2.4	46
64	Brainâ€based ranking of cognitive domains to predict schizophrenia. Human Brain Mapping, 2019, 40, 4487-4507.	3.6	25
65	Towards algorithmic analytics for large-scale datasets. Nature Machine Intelligence, 2019, 1, 296-306.	16.0	58
66	Liver Fibrosis and Metabolic Alterations in Adults With alpha-1-antitrypsin Deficiency Caused by the Pi*ZZ Mutation. Gastroenterology, 2019, 157, 705-719.e18.	1.3	82
67	An improved neuroanatomical model of the default-mode network reconciles previous neuroimaging and neuropathological findings. Communications Biology, 2019, 2, 370.	4.4	224
68	Distinct functional roles of the mirror neuron system and the mentalizing system. NeuroImage, 2019, 202, 116102.	4.2	24
69	Topography and behavioral relevance of the global signal in the human brain. Scientific Reports, 2019, 9, 14286.	3.3	77
70	Exploration, Inference, and Prediction in Neuroscience and Biomedicine. Trends in Neurosciences, 2019, 42, 251-262.	8.6	150
71	Statistics versus machine learning. Nature Methods, 2018, 15, 233-234.	19.0	826
72	Machine learning: supervised methods. Nature Methods, 2018, 15, 5-6.	19.0	190

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73	Action and object words are differentially anchored in the sensory motor system - A perspective on cognitive embodiment. Scientific Reports, 2018, 8, 6583.	3.3	32
74	Computing the Social Brain Connectome Across Systems and States. Cerebral Cortex, 2018, 28, 2207-2232.	2.9	127
75	Machine Learning for Precision Psychiatry: Opportunities and Challenges. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 223-230.	1.5	365
76	Different shades of default mode disturbance in schizophrenia: Subnodal covariance estimation in structure and function. Human Brain Mapping, 2018, 39, 644-661.	3.6	38
77	Dimensions of Experience: Exploring the Heterogeneity of the Wandering Mind. Psychological Science, 2018, 29, 56-71.	3.3	109
78	Subspecialization within default mode nodes characterized in 10,000 UK Biobank participants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12295-12300.	7.1	125
79	Atlases of cognition with large-scale human brain mapping. PLoS Computational Biology, 2018, 14, e1006565.	3.2	74
80	Patterns of schizophrenia symptoms: hidden structure in the PANSS questionnaire. Translational Psychiatry, 2018, 8, 237.	4.8	14
81	Multivariate single-subject analysis of short-term reorganization in the language network. Cortex, 2018, 106, 309-312.	2.4	3
82	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
83	Shared endo-phenotypes of default mode dysfunction in attention deficit/hyperactivity disorder and autism spectrum disorder. Translational Psychiatry, 2018, 8, 133.	4.8	59
84	Patterns of thought: Population variation in the associations between large-scale network organisation and self-reported experiences at rest. NeuroImage, 2018, 176, 518-527.	4.2	40
85	Inference in the age of big data: Future perspectives on neuroscience. NeuroImage, 2017, 155, 549-564.	4.2	161
86	Contempt—Where the modularity of the mind meets the modularity of the brain?. Behavioral and Brain Sciences, 2017, 40, e229.	0.7	1
87	Neuroimaging Research: From Null-Hypothesis Falsification to Out-of-Sample Generalization. Educational and Psychological Measurement, 2017, 77, 868-880.	2.4	8
88	Machine learning: a primer. Nature Methods, 2017, 14, 1119-1120.	19.0	104
89	Varieties of semantic cognition revealed through simultaneous decomposition of intrinsic brain connectivity and behaviour. NeuroImage, 2017, 158, 1-11.	4.2	78
90	Joint prediction of multiple scores captures better individual traits from brain images. NeuroImage, 2017, 158, 145-154.	4.2	35

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91	Classical Statistics and Statistical Learning in Imaging Neuroscience. Frontiers in Neuroscience, 2017, 11, 543.	2.8	116
92	Hierarchical Region-Network Sparsity for High-Dimensional Inference in Brain Imaging. Lecture Notes in Computer Science, 2017, 10265, 323-335.	1.3	8
93	Rapid short-term reorganization in the language network. ELife, 2017, 6, .	6.0	49
94	Functional Segregation of the Human Dorsomedial Prefrontal Cortex. Cerebral Cortex, 2016, 26, 304-321.	2.9	130
95	Imbalance in subregional connectivity of the right temporoparietal junction in major depression. Human Brain Mapping, 2016, 37, 2931-2942.	3.6	16
96	Left inferior parietal lobe engagement in social cognition and language. Neuroscience and Biobehavioral Reviews, 2016, 68, 319-334.	6.1	136
97	Behavior, sensitivity, and power of activation likelihood estimation characterized by massive empirical simulation. NeuroImage, 2016, 137, 70-85.	4.2	547
98	The neural basis of sex differences in sexual behavior: A quantitative meta-analysis. Frontiers in Neuroendocrinology, 2016, 43, 28-43.	5.2	53
99	Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitectonically Informed Voxel-Based Morphometry. American Journal of Psychiatry, 2016, 173, 291-298.	7.2	52
100	ANIMA: A data-sharing initiative for neuroimaging meta-analyses. NeuroImage, 2016, 124, 1245-1253.	4.2	37
101	Formal Models of the Network Co-occurrence Underlying Mental Operations. PLoS Computational Biology, 2016, 12, e1004994.	3.2	73
102	Connectivity€based parcellation: Critique and implications. Human Brain Mapping, 2015, 36, 4771-4792.	3.6	246
103	Subspecialization in the human posterior medial cortex. NeuroImage, 2015, 106, 55-71.	4.2	171
104	Neural Correlates of Explicit Social Judgments on Vocal Stimuli. Cerebral Cortex, 2015, 25, 1152-1162.	2.9	22
105	The Neurobiology of Moral Cognition: Relation to Theory of Mind, Empathy, and Mind-Wandering. , 2015, , 127-148.		7
106	An investigation of the structural, connectional, and functional subspecialization in the human amygdala. Human Brain Mapping, 2013, 34, 3247-3266.	3.6	333
107	Characterization of the temporo-parietal junction by combining data-driven parcellation, complementary connectivity analyses, and functional decoding. NeuroImage, 2013, 81, 381-392.	4.2	250
108	Segregation of the human medial prefrontal cortex in social cognition. Frontiers in Human Neuroscience, 2013, 7, 232.	2.0	179

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109	The Modular Neuroarchitecture of Social Judgments on Faces. Cerebral Cortex, 2012, 22, 951-961.	2.9	79
110	Parsing the neural correlates of moral cognition: ALE meta-analysis on morality, theory of mind, and empathy. Brain Structure and Function, 2012, 217, 783-796.	2.3	510
111	From Precision Medicine to Precision Convergence for Multilevel Resilience—The Aging Brain and Its Social Isolation. Frontiers in Public Health, 0, 10, .	2.7	2