

Michael Moutoussis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69 papers	2,052 citations	25 h-index	44 g-index
93 ext. papers	2,814 ext. citations	5.9 avg, IF	4.94 L-index

#	Paper	IF	Citations
69	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9105-10	11.5	255
68	The anatomy of choice: active inference and agency. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 598	3.3	177
67	Developmental cognitive neuroscience using latent change score models: A tutorial and applications. <i>Developmental Cognitive Neuroscience</i> , 2018 , 33, 99-117	5.5	138
66	Bayesian inferences about the self (and others): a review. <i>Consciousness and Cognition</i> , 2014 , 25, 67-76	2.6	101
65	Association of Neural and Emotional Impacts of Reward Prediction Errors With Major Depression. <i>JAMA Psychiatry</i> , 2017 , 74, 790-797	14.5	93
64	Bayesian modelling of Jumping-to-Conclusions bias in delusional patients. <i>Cognitive Neuropsychiatry</i> , 2011 , 16, 422-47	2	80
63	Are computational models of any use to psychiatry?. <i>Neural Networks</i> , 2011 , 24, 544-51	9.1	70
62	Learning-induced plasticity in medial prefrontal cortex predicts preference malleability. <i>Neuron</i> , 2015 , 85, 418-28	13.9	67
61	Computational Psychiatry of ADHD: Neural Gain Impairments across Marrian Levels of Analysis. <i>Trends in Neurosciences</i> , 2016 , 39, 63-73	13.3	64
60	A temporal difference account of avoidance learning. <i>Network: Computation in Neural Systems</i> , 2008 , 19, 137-60	0.7	59
59	Reflection impulsivity in binge drinking: behavioural and volumetric correlates. <i>Addiction Biology</i> , 2016 , 21, 504-15	4.6	58
58	Persecutory delusions and the conditioned avoidance paradigm: towards an integration of the psychology and biology of paranoia. <i>Cognitive Neuropsychiatry</i> , 2007 , 12, 495-510	2	56
57	Conservative and disruptive modes of adolescent change in human brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3248-3253	11.5	52
56	Compulsivity and impulsivity traits linked to attenuated developmental frontostriatal myelination trajectories. <i>Nature Neuroscience</i> , 2019 , 22, 992-999	25.5	51
55	Active inference, evidence accumulation, and the urn task. <i>Neural Computation</i> , 2015 , 27, 306-28	2.9	49
54	Improving the reliability of model-based decision-making estimates in the two-stage decision task with reaction-times and drift-diffusion modeling. <i>PLoS Computational Biology</i> , 2019 , 15, e1006803	5	49
53	Cohort Profile: The NSPN 2400 Cohort: a developmental sample supporting the Wellcome Trust NeuroScience in Psychiatry Network. <i>International Journal of Epidemiology</i> , 2018 , 47, 18-19g	7.8	48

52	Neural and computational processes underlying dynamic changes in self-esteem. <i>ELife</i> , 2017 , 6,	8.9	46
51	Noradrenaline blockade specifically enhances metacognitive performance. <i>ELife</i> , 2017 , 6,	8.9	44
50	Increased decision thresholds enhance information gathering performance in juvenile Obsessive-Compulsive Disorder (OCD). <i>PLoS Computational Biology</i> , 2017 , 13, e1005440	5	37
49	A formal model of interpersonal inference. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 160	3.3	33
48	Increased decision thresholds trigger extended information gathering across the compulsivity spectrum. <i>Translational Psychiatry</i> , 2017 , 7, 1296	8.6	29
47	Characterising the latent structure and organisation of self-reported thoughts, feelings and behaviours in adolescents and young adults. <i>PLoS ONE</i> , 2017 , 12, e0175381	3.7	28
46	Computation in Psychotherapy, or How Computational Psychiatry Can Aid Learning-Based Psychological Therapies. <i>Computational Psychiatry</i> , 2018 , 2, 50-73	3.8	27
45	How People Use Social Information to Find out What to Want in the Paradigmatic Case of Inter-temporal Preferences. <i>PLoS Computational Biology</i> , 2016 , 12, e1004965	5	26
44	Schizotypy-Related Magnetization of Cortex in Healthy Adolescence Is Colocated With Expression of Schizophrenia-Related Genes. <i>Biological Psychiatry</i> , 2020 , 88, 248-259	7.9	24
43	Credit assignment to state-independent task representations and its relationship with model-based decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15871-15876	11.5	23
42	Change, stability, and instability in the Pavlovian guidance of behaviour from adolescence to young adulthood. <i>PLoS Computational Biology</i> , 2018 , 14, e1006679	5	20
41	White matter tract myelin maturation and its association with general psychopathology in adolescence and early adulthood. <i>Human Brain Mapping</i> , 2020 , 41, 827-839	5.9	19
40	Beta-Blocker Propranolol Modulates Decision Urgency During Sequential Information Gathering. <i>Journal of Neuroscience</i> , 2018 , 38, 7170-7178	6.6	18
39	A Computational Analysis of Aberrant Delay Discounting in Psychiatric Disorders. <i>Frontiers in Psychology</i> , 2015 , 6, 1948	3.4	17
38	Building a New Field of Computational Psychiatry. <i>Biological Psychiatry</i> , 2017 , 82, 388-390	7.9	16
37	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood. <i>Human Brain Mapping</i> , 2020 , 41, 3392-3402	5.9	16
36	Neural activity and fundamental learning, motivated by monetary loss and reward, are intact in mild to moderate major depressive disorder. <i>PLoS ONE</i> , 2018 , 13, e0201451	3.7	15
35	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , 2020 , 87, 368-376	7.9	11

34	Variability in Action Selection Relates to Striatal Dopamine 2/3 Receptor Availability in Humans: A PET Neuroimaging Study Using Reinforcement Learning and Active Inference Models. <i>Cerebral Cortex</i> , 2020 , 30, 3573-3589	5.1	10
33	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , 2019 , 9, 11536	4.9	10
32	Cost Evaluation During Decision-Making in Patients at Early Stages of Psychosis. <i>Computational Psychiatry</i> , 2019 , 3, 18-39	3.8	10
31	Distinct Roles of Dopamine and Noradrenaline in Incidental Memory. <i>Journal of Neuroscience</i> , 2019 , 39, 7715-7721	6.6	9
30	Quality of care in a psychiatric out-patient department. <i>Journal of Mental Health</i> , 2000 , 9, 409-420	2.7	9
29	Compulsivity is linked to reduced adolescent development of goal-directed control and frontostriatal functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25911-25922	11.5	9
28	Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. <i>Translational Psychiatry</i> , 2020 , 10, 96	8.6	7
27	Personality dimensions emerging during adolescence and young adulthood are underpinned by a single latent trait indexing impairment in social functioning. <i>BMC Psychiatry</i> , 2018 , 18, 23	4.2	7
26	Vigour in active avoidance. <i>Scientific Reports</i> , 2017 , 7, 60	4.9	7
25	Hypotheses About the Relationship of Cognition With Psychopathology Should be Tested by Embedding Them Into Empirical Priors. <i>Frontiers in Psychology</i> , 2018 , 9, 2504	3.4	6
24	Predictors of risky foraging behaviour in healthy young people. <i>Nature Human Behaviour</i> , 2020 , 4, 832-843	13.8	5
23	Reduction in social learning and increased policy uncertainty about harmful intent is associated with pre-existing paranoid beliefs: Evidence from modelling a modified serial dictator game. <i>PLoS Computational Biology</i> , 2020 , 16, e1008372	5	5
22	An empirical study of defensive avoidance in paranoia. <i>Behavioural and Cognitive Psychotherapy</i> , 2015 , 43, 182-99	2.1	4
21	Reinforcement learning as an intermediate phenotype in psychosis? Deficits sensitive to illness stage but not associated with polygenic risk of schizophrenia in the general population. <i>Schizophrenia Research</i> , 2020 , 222, 389-396	3.6	4
20	Compulsivity and impulsivity are linked to distinct aberrant developmental trajectories of fronto-striatal myelination		4
19	Decision-making ability, psychopathology, and brain connectivity. <i>Neuron</i> , 2021 , 109, 2025-2040.e7	13.9	4
18	Modeling discoordination of cortical neuroactivity: relevance for the executive control of attention in Alzheimer's disease. <i>Journal of Integrative Neuroscience</i> , 2004 , 3, 85-104	1.5	3
17	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: insights from active inference. <i>Scientific Reports</i> , 2021 , 11, 10128	4.9	3

16	Simulating the computational mechanisms of cognitive and behavioral psychotherapeutic interventions: Insights from active inference		2
15	Multi-Round Trust Game Quantifies Inter-Individual Differences in Social Exchange from Adolescence to Adulthood. <i>Computational Psychiatry</i> , 2021 , 5, 102-118	3.8	2
14	Noradrenaline modulates decision urgency during sequential information gathering		2
13	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood		2
12	Children perform extensive information gathering when it is not costly. <i>Cognition</i> , 2021 , 208, 104535	3.5	2
11	A Reduced Self-Positive Belief Underpins Greater Sensitivity to Negative Evaluation in Socially Anxious Individuals. <i>Computational Psychiatry</i> , 2021 , 5, 21-37	3.8	2
10	Homicide rates and income inequality. <i>British Journal of Psychiatry</i> , 2011 , 199, 341; author reply 341	5.4	1
9	Listening to those called terrorists; the case for a public forum within the United Nations. <i>Medicine, Conflict and Survival</i> , 2012 , 28, 141-5	0.6	1
8	Estimation of the persistence of strain from experimental recordings from cardiac tissue. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 489-496	3.3	1
7	Preference uncertainty accounts for developmental effects on susceptibility to peer influence in adolescence. <i>Nature Communications</i> , 2021 , 12, 3823	17.4	1
6	Self-esteem depends on beliefs about the rate of change of social approval.. <i>Scientific Reports</i> , 2022 , 12, 6643	4.9	0
5	Assigning the right credit to the wrong action: compulsivity in the general population is associated with augmented outcome-irrelevant value-based learning. <i>Translational Psychiatry</i> , 2021 , 11, 564	8.6	
4	Reduction in social learning and increased policy uncertainty about harmful intent is associated with pre-existing paranoid beliefs: Evidence from modelling a modified serial dictator game 2020 , 16, e1008372		
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