

# Lionel Rigoux

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8981946/publications.pdf>

Version: 2024-02-01

25  
papers

1,857  
citations

516561

16  
h-index

677027

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian model selection for group studies “ Revisited. <i>NeuroImage</i> , 2014, 84, 971-985.	2.1	490
2	VBA: A Probabilistic Treatment of Nonlinear Models for Neurobiological and Behavioural Data. <i>PLoS Computational Biology</i> , 2014, 10, e1003441.	1.5	278
3	Supra-Additive Effects of Combining Fat and Carbohydrate on Food Reward. <i>Cell Metabolism</i> , 2018, 28, 33-44.e3.	7.2	180
4	Computational neuroimaging strategies for single patient predictions. <i>NeuroImage</i> , 2017, 145, 180-199.	2.1	144
5	Computational Dissection of Dopamine Motor and Motivational Functions in Humans. <i>Journal of Neuroscience</i> , 2016, 36, 6623-6633.	1.7	109
6	A Model of Reward- and Effort-Based Optimal Decision Making and Motor Control. <i>PLoS Computational Biology</i> , 2012, 8, e1002716.	1.5	99
7	Neurocomputational account of how the human brain decides when to have a break. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2641-2646.	3.3	80
8	Confidence and psychosis: a neuro-computational account of contingency learning disruption by NMDA blockade. <i>Molecular Psychiatry</i> , 2016, 21, 946-955.	4.1	77
9	An Obesity-Predisposing Variant of the FTO Gene Regulates D2R-Dependent Reward Learning. <i>Journal of Neuroscience</i> , 2015, 35, 12584-12592.	1.7	75
10	Neuro-computational account of how mood fluctuations arise and affect decision making. <i>Nature Communications</i> , 2018, 9, 1708.	5.8	53
11	Influence of vmPFC on dmPFC Predicts Valence-Guided Belief Formation. <i>Journal of Neuroscience</i> , 2018, 38, 7996-8010.	1.7	37
12	Valence-Dependent Belief Updating: Computational Validation. <i>Frontiers in Psychology</i> , 2017, 8, 1087.	1.1	32
13	Modulation of midbrain neurocircuitry by intranasal insulin. <i>NeuroImage</i> , 2019, 194, 120-127.	2.1	31
14	Dynamic causal modelling of brain-behaviour relationships. <i>NeuroImage</i> , 2015, 117, 202-221.	2.1	28
15	The role of insulin sensitivity and intranasally applied insulin on olfactory perception. <i>Scientific Reports</i> , 2019, 9, 7222.	1.6	25
16	GLP-1 and hunger modulate incentive motivation depending on insulin sensitivity in humans. <i>Molecular Metabolism</i> , 2021, 45, 101163.	3.0	19
17	Technical Note: Modulation of fMRI brainstem responses by transcutaneous vagus nerve stimulation. <i>NeuroImage</i> , 2021, 244, 118566.	2.1	19
18	Cortical parcellation based on structural connectivity: A case for generative models. <i>NeuroImage</i> , 2018, 173, 592-603.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Brief Report: Reduced Optimism Bias in Self-Referential Belief Updating in High-Functioning Autism. Journal of Autism and Developmental Disorders, 2019, 49, 2990-2998.	1.7	18
20	Choose, rate or squeeze: Comparison of economic value functions elicited by different behavioral tasks. PLoS Computational Biology, 2017, 13, e1005848.	1.5	18
21	Sour grapes and sweet victories: How actions shape preferences. PLoS Computational Biology, 2019, 15, e1006499.	1.5	14
22	Learning cost-efficient control policies with XCSF. , 2011, , .		8
23	Neural Encoding of Food and Monetary Reward Delivery. NeuroImage, 2022, , 119335.	2.1	5
24	Apprentissage et optimisation de politiques pour un bras articulÃ© actionnÃ© par des muscles. Revue D'Intelligence Artificielle, 2013, 27, 195-215.	0.5	0
25	L-kynurenine as a prognostic marker for early mortality in patients with acute myeloid leukemia. Leukemia and Lymphoma, 2022, , 1-4.	0.6	0