

Peter Bossaerts

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.

102
papers

5,783
citations

38
h-index

75
g-index

113
ext. papers

6,986
ext. citations

5.4
avg, IF

6.06
L-index

#	Paper	IF	Citations
102	Human insula activation reflects risk prediction errors as well as risk. <i>Journal of Neuroscience</i> , 2008 , 28, 2745-52	6.6	577
101	Neural differentiation of expected reward and risk in human subcortical structures. <i>Neuron</i> , 2006 , 51, 381-90	13.9	547
100	Neural correlates of mentalizing-related computations during strategic interactions in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6741-6	11.5	385
99	The role of the ventromedial prefrontal cortex in abstract state-based inference during decision making in humans. <i>Journal of Neuroscience</i> , 2006 , 26, 8360-7	6.6	376
98	Implementing Statistical Criteria to Select Return Forecasting Models: What Do We Learn?. <i>Review of Financial Studies</i> , 1999 , 12, 405-428	7	347
97	Neural correlates of value, risk, and risk aversion contributing to decision making under risk. <i>Journal of Neuroscience</i> , 2009 , 29, 12574-83	6.6	290
96	Ambiguity in Asset Markets: Theory and Experiment. <i>Review of Financial Studies</i> , 2010 , 23, 1325-1359	7	164
95	Encoding of marginal utility across time in the human brain. <i>Journal of Neuroscience</i> , 2009 , 29, 9575-81	6.6	163
94	Explicit neural signals reflecting reward uncertainty. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 3801-11	5.8	157
93	The neural representation of unexpected uncertainty during value-based decision making. <i>Neuron</i> , 2013 , 79, 191-201	13.9	154
92	Neural antecedents of financial decisions. <i>Journal of Neuroscience</i> , 2007 , 27, 8174-7	6.6	153
91	Risk, unexpected uncertainty, and estimation uncertainty: Bayesian learning in unstable settings. <i>PLoS Computational Biology</i> , 2011 , 7, e1001048	5	135
90	Risk and risk prediction error signals in anterior insula. <i>Brain Structure and Function</i> , 2010 , 214, 645-53	4	108
89	An Optimal IPO Mechanism. <i>Review of Economic Studies</i> , 2002 , 69, 117-146	5.6	99
88	Adding prediction risk to the theory of reward learning. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1104, 135-46	6.5	98
87	Using Neural Data to Test A Theory of Investor Behavior: An Application to Realization Utility. <i>Journal of Finance</i> , 2014 , 69, 907-946	6.4	91
86	Common nonstationary components of asset prices. <i>Journal of Economic Dynamics and Control</i> , 1988 , 12, 347-364	1.3	77

85	Basic Principles of Asset Pricing Theory: Evidence from Large-Scale Experimental Financial Markets. <i>Review of Finance</i> , 2004 , 8, 135-169	3.5	75
84	Prices and Portfolio Choices in Financial Markets: Theory, Econometrics, Experiments. <i>Econometrica</i> , 2007 , 75, 993-1038	4.9	73
83	In the mind of the market: theory of mind biases value computation during financial bubbles. <i>Neuron</i> , 2013 , 79, 1222-31	13.9	71
82	MAOA-L carriers are better at making optimal financial decisions under risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2053-9	4.4	66
81	Equilibrium Asset Pricing and Portfolio Choice Under Asymmetric Information. <i>Review of Financial Studies</i> , 2010 , 23, 1503-1543	7	65
80	Neurobiological studies of risk assessment: a comparison of expected utility and mean-variance approaches. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2008 , 8, 363-74	3.5	64
79	Market Microstructure Effects of Government Intervention in the Foreign Exchange Market. <i>Review of Financial Studies</i> , 1991 , 4, 513-541	7	63
78	Asset Prices and Trading Volume in a Beauty Contest. <i>Review of Economic Studies</i> , 1998 , 65, 307-340	5.6	62
77	Exploring the Nature of "Trader Intuition" <i>Journal of Finance</i> , 2010 , 65, 1703-1723	6.4	56
76	The human brain encodes event frequencies while forming subjective beliefs. <i>Journal of Neuroscience</i> , 2013 , 33, 10887-97	6.6	51
75	Neural mechanisms underlying human consensus decision-making. <i>Neuron</i> , 2015 , 86, 591-602	13.9	47
74	Computational Complexity and Human Decision-Making. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 917-929	14	46
73	Evidence for model-based computations in the human amygdala during Pavlovian conditioning. <i>PLoS Computational Biology</i> , 2013 , 9, e1002918	5	46
72	Economic choices reveal probability distortion in macaque monkeys. <i>Journal of Neuroscience</i> , 2015 , 35, 3146-54	6.6	45
71	A General Equilibrium Model of Changing Risk Premia: Theory and Tests. <i>Review of Financial Studies</i> , 1989 , 2, 467-493	7	44
70	What Decision Neuroscience Teaches Us About Financial Decision Making. <i>Annual Review of Financial Economics</i> , 2009 , 1, 383-404	1.9	43
69	Chimpanzee choice rates in competitive games match equilibrium game theory predictions. <i>Scientific Reports</i> , 2014 , 4, 5182	4.9	42
68	Differentiable contributions of human amygdalar subregions in the computations underlying reward and avoidance learning. <i>European Journal of Neuroscience</i> , 2011 , 34, 134-45	3.5	42

67	A behavioral and neural evaluation of prospective decision-making under risk. <i>Journal of Neuroscience</i> , 2010 , 30, 14380-9	6.6	42
66	Promoting intellectual discovery: patents versus markets. <i>Science</i> , 2009 , 323, 1335-9	33.3	39
65	Behavioral contagion during learning about another agent's risk-preferences acts on the neural representation of decision-risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3755-60	11.5	38
64	The Speed of Information Revelation and Eventual Price Quality in Markets with Insiders: Comparing Two Theories*. <i>Review of Finance</i> , 2014 , 18, 1-22	3.5	38
63	Excess demand and equilibration in multi-security financial markets: the empirical evidence. <i>Journal of Financial Markets</i> , 2003 , 6, 1-21	2.1	36
62	The affective impact of financial skewness on neural activity and choice. <i>PLoS ONE</i> , 2011 , 6, e16838	3.7	34
61	Inducing liquidity in thin financial markets through combined-value trading mechanisms. <i>European Economic Review</i> , 2002 , 46, 1671-1695	1.9	32
60	The CAPM in thin experimental financial markets. <i>Journal of Economic Dynamics and Control</i> , 2002 , 26, 1093-1112	1.3	31
59	Hedging your bets by learning reward correlations in the human brain. <i>Neuron</i> , 2011 , 71, 1141-52	13.9	29
58	Do not Bet on the Unknown Versus Try to Find Out More: Estimation Uncertainty and "Unexpected Uncertainty" Both Modulate Exploration. <i>Frontiers in Neuroscience</i> , 2012 , 6, 150	5.1	27
57	The human prefrontal cortex mediates integration of potential causes behind observed outcomes. <i>Journal of Neurophysiology</i> , 2011 , 106, 1558-69	3.2	26
56	Risk and Reward Preferences under Time Pressure*. <i>Review of Finance</i> , 2014 , 18, 999-1022	3.5	24
55	Separate encoding of model-based and model-free valuations in the human brain. <i>NeuroImage</i> , 2011 , 58, 955-62	7.9	24
54	Positive temporal dependence of the biological clock implies hyperbolic discounting. <i>Frontiers in Neuroscience</i> , 2011 , 5, 2	5.1	24
53	Neural computations underlying inverse reinforcement learning in the human brain. <i>ELife</i> , 2017 , 6,	8.9	23
52	Expectations and learning in Iowa. <i>Journal of Banking and Finance</i> , 2000 , 24, 1535-1555	2.6	21
51	Neural Mechanisms Behind Identification of Leptokurtic Noise and Adaptive Behavioral Response. <i>Cerebral Cortex</i> , 2016 , 26, 1818-1830	5.1	21
50	Lucas in the Laboratory. <i>Journal of Finance</i> , 2016 , 71, 2727-2780	6.4	20

49	The Econometrics of Learning in Financial Markets. <i>Econometric Theory</i> , 1995 , 11, 151-189	1.1	18
48	From behavioural economics to neuroeconomics to decision neuroscience: the ascent of biology in research on human decision making. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 5, 37-42	4	17
47	Activity in inferior parietal and medial prefrontal cortex signals the accumulation of evidence in a probability learning task. <i>PLoS Computational Biology</i> , 2013 , 9, e1002895	5	17
46	Local parametric analysis of hedging in discrete time. <i>Journal of Econometrics</i> , 1997 , 81, 243-272	2.6	17
45	IPO Post-Issue Markets: Questionable Predilections But Diligent Learners?. <i>Review of Economics and Statistics</i> , 2001 , 83, 333-347	3.7	16
44	Toward a Mechanistic Understanding of Human Decision Making: Contributions of Functional Neuroimaging. <i>Current Directions in Psychological Science</i> , 2008 , 17, 119-123	6.5	15
43	A TEST OF A GENERAL EQUILIBRIUM STOCK OPTION PRICING MODEL. <i>Mathematical Finance</i> , 1993 , 3, 311-347	2.3	14
42	Uncertainty and computational complexity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180138	5.8	13
41	Asset Pricing and Asymmetric Reasoning. <i>Journal of Political Economy</i> , 2015 , 123, 66-122	8.6	13
40	Investigating signal integration with canonical correlation analysis of fMRI brain activation data. <i>NeuroImage</i> , 2008 , 41, 35-44	7.9	13
39	Using Neural Data to Test a Theory of Investor Behavior: An Application to Realization Utility 2012 ,		12
38	An Exploration of Neo-Austrian Theory Applied to Financial Markets. <i>Journal of Finance</i> , 2001 , 56, 1011-1027		12
37	Filtering Returns for Unspecified Biases in Priors when Testing Asset Pricing Theory. <i>Review of Economic Studies</i> , 2004 , 71, 63-86	5.6	11
36	The Neurobiological Foundations of Valuation in Human Decision Making Under Uncertainty 2009 , 353-365		10
35	How Humans Solve Complex Problems: The Case of the Knapsack Problem. <i>Scientific Reports</i> , 2016 , 6, 34851	4.9	9
34	The impact of disappointment in decision making: inter-individual differences and electrical neuroimaging. <i>Frontiers in Human Neuroscience</i> , 2011 , 4, 235	3.3	9
33	Asset trading volume in infinite-horizon economies with dynamically complete markets and heterogeneous agents: Comment. <i>Finance Research Letters</i> , 2006 , 3, 96-101	8.1	9
32	Local parametric analysis of derivatives pricing and hedging. <i>Journal of Financial Markets</i> , 2003 , 6, 573-605		9

31	Markowitz in the brain. <i>Revue D'Economie Politique</i> , 2008 , 118, 75	0.1	8
30	Perception of intentionality in investor attitudes towards financial risks. <i>Journal of Behavioral and Experimental Finance</i> , 2019 , 23, 189-197	6.1	8
29	The Experimental Study of Asset Pricing Theory. <i>Foundations and Trends in Finance</i> , 2009 , 3, 289-361	0	7
28	Experiments with Financial Markets: Implications for Asset Pricing Theory. <i>American economist, The</i> , 2001 , 45, 17-32	0.3	7
27	Modeling the Evolution of Beliefs Using an Attentional Focus Mechanism. <i>PLoS Computational Biology</i> , 2015 , 11, e1004558	5	7
26	Competition in Portfolio Management: Theory and Experiment. <i>Management Science</i> , 2015 , 61, 1868-1888	9	6
25	Learning About Unstable, Publicly Unobservable Payoffs. <i>Review of Financial Studies</i> , 2015 , 28, 1874-1913	7	5
24	Excessive Volatility is Also a Feature of Individual Level Forecasts. <i>Journal of Behavioral Finance</i> , 2014 , 15, 16-29	1.9	5
23	Experiments on Percolation of Information in Dark Markets. <i>Economic Journal</i> , 2017 , 127, F518-F544	2.9	5
22	'Lucas' In The Laboratory 2013 ,		5
21	Decision making: how the brain weighs the evidence. <i>Current Biology</i> , 2012 , 22, R808-10	6.3	4
20	Chapter 2 From Market Jaws to the Newton Method: The Geometry of How a Market Can Solve Systems of Equations. <i>Handbook of Experimental Economics Results</i> , 2008 , 1, 22-24		4
19	Costly Information Acquisition in Decentralized Markets: An Experiment. <i>SSRN Electronic Journal</i> , 2017 ,	1	3
18	The chronometry of risk processing in the human cortex. <i>Frontiers in Neuroscience</i> , 2013 , 7, 146	5.1	3
17	Separating Probability and Reversal Learning in a Novel Probabilistic Reversal Learning Task for Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2019 , 13, 270	3.5	3
16	Foreign Exchange Rates Have Surprising Volatility. <i>Lecture Notes in Statistics</i> , 1996 , 55-72	2.9	3
15	Decision Neuroscience: Why We Become More Cautious with Age. <i>Current Biology</i> , 2016 , 26, R495-R497	6.3	2
14	In the Mind of the Market: Theory of Mind Biases Value Computation during Financial Bubbles. <i>Neuron</i> , 2013 , 80, 1102	13.9	2

13	Risk aversion in laboratory asset markets. <i>Research in Experimental Economics</i> , 2008 , 341-358		2
12	Tax-Induced Intertemporal Restrictions on Security Returns 1994 , 49, 1347		2
11	Predicting risk in a multiple stimulus-reward environment 2009 , 459-474		2
10	Formalizing the Function of Anterior Insula in Rapid Adaptation. <i>Frontiers in Integrative Neuroscience</i> , 2018 , 12, 61	3.2	2
9	Modelling price pressure in financial markets. <i>Journal of Economic Behavior and Organization</i> , 2009 , 72, 119-130	1.6	1
8	Structural properties of individual instances predict human effort and performance on an NP-Hard problem		1
7	How Neurobiology Elucidates the Role of Emotions in Financial Decision-Making. <i>Frontiers in Psychology</i> , 2021 , 12, 697375	3.4	1
6	Transferring cognitive talent across domains to reduce the disposition effect in investment. <i>Scientific Reports</i> , 2021 , 11, 23068	4.9	0
5	Generic properties of a computational task predict human effort and performance. <i>Journal of Mathematical Psychology</i> , 2021 , 104, 102592	1.2	0
4	Exploiting Distributional Temporal Difference Learning to Deal with Tail Risk. <i>Risks</i> , 2020 , 8, 113	1.6	
3	Martingale-Based Hedge Error Control 1997 , 290-304		
2	Chapter 42 Asset Pricing. <i>Handbook of Experimental Economics Results</i> , 2008 , 1, 364-369		
1	Experiments with Financial Markets: Implications for Asset Pricing Theory 2004 , 103-127		