

# Valentin Wyart

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

45  
papers

2,656  
citations

22  
h-index

51  
g-index

55  
ext. papers

3,381  
ext. citations

8.2  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
45	Premature commitment to uncertain decisions during human NMDA receptor hypofunction.. <i>Nature Communications</i> , <b>2022</b> , 13, 338	17.4	0
44	Interacting with volatile environments stabilizes hidden-state inference and its brain signatures. <i>Nature Communications</i> , <b>2021</b> , 12, 2228	17.4	7
43	Computation noise in human learning and decision-making: origin, impact, function. <i>Current Opinion in Behavioral Sciences</i> , <b>2021</b> , 38, 124-132	4	5
42	The Human Brain Encodes a Chronicle of Visual Events at Each Instant of Time Through the Multiplexing of Traveling Waves. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 7224-7233	6.6	9
41	Separable neural signatures of confidence during perceptual decisions. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
40	Confidence controls perceptual evidence accumulation. <i>Nature Communications</i> , <b>2020</b> , 11, 1753	17.4	20
39	Social motivation is associated with increased weight granted to cooperation-related impressions in face evaluation tasks. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230011	3.7	2
38	The ecological roots of human susceptibility to social influence: a pre-registered study investigating the impact of early-life adversity. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 180454	3.3	7
37	Computational noise in reward-guided learning drives behavioral variability in volatile environments. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 2066-2077	25.5	47
36	Pervasive influence of idiosyncratic associative biases during facial emotion recognition. <i>Scientific Reports</i> , <b>2018</b> , 8, 8804	4.9	2
35	Leveraging decision consistency to decompose suboptimality in terms of its ultimate predictability. <i>Behavioral and Brain Sciences</i> , <b>2018</b> , 41, e248	0.9	1
34	Human susceptibility to social influence and its neural correlates are related to perceived vulnerability to extrinsic morbidity risks. <i>Scientific Reports</i> , <b>2018</b> , 8, 13347	4.9	7
33	Shared mechanism for emotion processing in adolescents with and without autism. <i>Scientific Reports</i> , <b>2017</b> , 7, 42696	4.9	6
32	The Importance of Falsification in Computational Cognitive Modeling. <i>Trends in Cognitive Sciences</i> , <b>2017</b> , 21, 425-433	14	166
31	Choice variability and suboptimality in uncertain environments. <i>Current Opinion in Behavioral Sciences</i> , <b>2016</b> , 11, 109-115	4	50
30	Temporal Prediction in lieu of Periodic Stimulation. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 2342-7	6.6	54
29	Computational Precision of Mental Inference as Critical Source of Human Choice Suboptimality. <i>Neuron</i> , <b>2016</b> , 92, 1398-1411	13.9	80

28	Conscious Vision Proceeds from Global to Local Content in Goal-Directed Tasks and Spontaneous Vision. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 5200-13	6.6	17
27	Neural mechanisms of human perceptual choice under focused and divided attention. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 3485-98	6.6	48
26	Feature expectation heightens visual sensitivity during fine orientation discrimination. <i>Journal of Vision</i> , <b>2015</b> , 15, 14	0.4	17
25	Testing sensory evidence against mnemonic templates. <i>ELife</i> , <b>2015</b> , 4, e09000	8.9	79
24	Anxiety dissociates the adaptive functions of sensory and motor response enhancements to social threats. <i>ELife</i> , <b>2015</b> , 4,	8.9	16
23	Adaptive gain control during human perceptual choice. <i>Neuron</i> , <b>2014</b> , 81, 1429-1441	13.9	103
22	Motor contributions to the temporal precision of auditory attention. <i>Nature Communications</i> , <b>2014</b> , 5, 5255	17.4	91
21	Neural mechanisms of economic commitment in the human medial prefrontal cortex. <i>ELife</i> , <b>2014</b> , 3,	8.9	6
20	Cueing attention after the stimulus is gone can retrospectively trigger conscious perception. <i>Current Biology</i> , <b>2013</b> , 23, 150-5	6.3	87
19	Temporal expectation enhances contrast sensitivity by phase entrainment of low-frequency oscillations in visual cortex. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 4002-10	6.6	198
18	Overlapping multivoxel patterns for two levels of visual expectation. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 158	3.3	14
17	Rhythmic fluctuations in evidence accumulation during decision making in the human brain. <i>Neuron</i> , <b>2012</b> , 76, 847-58	13.9	162
16	Temporal expectation improves the quality of sensory information. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 8424-8428	6.6	165
15	Dissociable prior influences of signal probability and relevance on visual contrast sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3593-8	11.5	159
14	Effects of decision variables and intraparietal stimulation on sensorimotor oscillatory activity in the human brain. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 13805-18	6.6	54
13	Early dissociation between neural signatures of endogenous spatial attention and perceptual awareness during visual masking. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 6, 16	3.3	31
12	Transitions in neural oscillations reflect prediction errors generated in audiovisual speech. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 797-801	25.5	232
11	Conservative decisions guided by the anterior cingulate cortex. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 44	3.3	1

10	Human Scalp Electroencephalography Reveals that Repetition Suppression Varies with Expectation. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 67	3.3	93
9	Voluntary and involuntary spatial attentions interact differently with awareness. <i>Neuropsychologia</i> , <b>2011</b> , 49, 2465-74	3.2	17
8	Endogenous modulation of low frequency oscillations by temporal expectations. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 2964-72	3.2	101
7	The phase of ongoing EEG oscillations uncovers the fine temporal structure of conscious perception. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 12839-41	6.6	49
6	How ongoing fluctuations in human visual cortex predict perceptual awareness: baseline shift versus decision bias. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 8715-25	6.6	155
5	Neural dissociation between visual awareness and spatial attention. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 2667-79	6.6	285
4	Computation noise promotes cognitive resilience to adverse conditions during decision-making		1
3	Premature commitment to uncertain beliefs during human NMDA receptor hypofunction		3
2	Computational noise in reward-guided learning drives behavioral variability in volatile environments		6
1	Interacting with volatile environments stabilizes hidden-state inference and its brain signatures		1