

Johan Lauwereyns

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

4,257
citations

168829

31
h-index

134545

62
g-index

126
all docs

126
docs citations

126
times ranked

5736
citing authors

#	ARTICLE	IF	CITATIONS
1	A neural correlate of response bias in monkey caudate nucleus. <i>Nature</i> , 2002, 418, 413-417.	13.7	384
2	Dopamine in Motor Cortex Is Necessary for Skill Learning and Synaptic Plasticity. <i>PLoS ONE</i> , 2009, 4, e7082.	1.1	300
3	Adolescents, Adults and Rewards: Comparing Motivational Neurocircuitry Recruitment Using fMRI. <i>PLoS ONE</i> , 2010, 5, e11440.	1.1	234
4	Learned Value Magnifies Salience-Based Attentional Capture. <i>PLoS ONE</i> , 2011, 6, e27926.	1.1	229
5	Influence of Reward Expectation on Visuospatial Processing in Macaque Lateral Prefrontal Cortex. <i>Journal of Neurophysiology</i> , 2002, 87, 1488-1498.	0.9	210
6	Irrelevant digits affect feature-based attention depending on the overlap of neural circuits. <i>Cognitive Brain Research</i> , 2001, 12, 415-423.	3.3	195
7	Chemosensory Cues to Conspecific Emotional Stress Activate Amygdala in Humans. <i>PLoS ONE</i> , 2009, 4, e6415.	1.1	169
8	Caucasian Infants Scan Own- and Other-Race Faces Differently. <i>PLoS ONE</i> , 2011, 6, e18621.	1.1	133
9	Feature-Based Anticipation of Cues that Predict Reward in Monkey Caudate Nucleus. <i>Neuron</i> , 2002, 33, 463-473.	3.8	118
10	Associations between Dopamine D4 Receptor Gene Variation with Both Infidelity and Sexual Promiscuity. <i>PLoS ONE</i> , 2010, 5, e14162.	1.1	113
11	Priming of Social Distance? Failure to Replicate Effects on Social and Food Judgments. <i>PLoS ONE</i> , 2012, 7, e42510.	1.1	108
12	Brain Response to a Humanoid Robot in Areas Implicated in the Perception of Human Emotional Gestures. <i>PLoS ONE</i> , 2010, 5, e11577.	1.1	98
13	A Code for Behavioral Inhibition on the Basis of Color, But Not Motion, in Ventrolateral Prefrontal Cortex of Macaque Monkey. <i>Journal of Neuroscience</i> , 2001, 21, 4801-4808.	1.7	97
14	Impact of Working Memory Load on fMRI Resting State Pattern in Subsequent Resting Phases. <i>PLoS ONE</i> , 2009, 4, e7198.	1.1	97
15	Neural Correlates of Rewarded and Unrewarded Eye Movements in the Primate Caudate Nucleus. <i>Journal of Neuroscience</i> , 2003, 23, 10052-10057.	1.7	96
16	Beyond Shape: How You Learn about Objects Affects How They Are Represented in Visual Cortex. <i>PLoS ONE</i> , 2009, 4, e8405.	1.1	86
17	Lifting without Seeing: The Role of Vision in Perceiving and Acting upon the Size Weight Illusion. <i>PLoS ONE</i> , 2010, 5, e9709.	1.1	83
18	Transitions between Central and Peripheral Vision Create Spatial/Temporal Distortions: A Hypothesis Concerning the Perceived Break of the Curveball. <i>PLoS ONE</i> , 2010, 5, e13296.	1.1	65

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19	Neuroanatomical Variability of Religiosity. PLoS ONE, 2009, 4, e7180.	1.1	61
20	Bilingualism Accentuates Children's Conversational Understanding. PLoS ONE, 2010, 5, e9004.	1.1	59
21	Rhesus Monkeys (Macaca mulatta) Do Recognize Themselves in the Mirror: Implications for the Evolution of Self-Recognition. PLoS ONE, 2010, 5, e12865.	1.1	58
22	Responses to Task-Irrelevant Visual Features by Primate Prefrontal Neurons. Journal of Neurophysiology, 2001, 86, 2001-2010.	0.9	56
23	Pre-Stimulus Activity Predicts the Winner of Top-Down vs. Bottom-Up Attentional Selection. PLoS ONE, 2011, 6, e16243.	1.1	50
24	Visual Performance Fields: Frames of Reference. PLoS ONE, 2011, 6, e24470.	1.1	50
25	Differentiation between Vergence and Saccadic Functional Activity within the Human Frontal Eye Fields and Midbrain Revealed through fMRI. PLoS ONE, 2011, 6, e25866.	1.1	42
26	Predicting Individuals' Learning Success from Patterns of Pre-Learning MRI Activity. PLoS ONE, 2011, 6, e16093.	1.1	40
27	Distracting the Mind Improves Performance: An ERP Study. PLoS ONE, 2010, 5, e15024.	1.1	39
28	The role of eye movements in decision making and the prospect of exposure effects. Vision Research, 2012, 60, 16-21.	0.7	38
29	Theta phase shift in spike timing and modulation of gamma oscillation: a dynamic code for spatial alternation during fixation in rat hippocampal area CA1. Journal of Neurophysiology, 2014, 111, 1601-1614.	0.9	38
30	Under Pressure: Response Urgency Modulates Striatal and Insula Activity during Decision-Making under Risk. PLoS ONE, 2011, 6, e20942.	1.1	36
31	Implicit and Explicit Representations of Hand Position in Tool Use. PLoS ONE, 2013, 8, e68471.	1.1	35
32	Oculomotor Guidance and Capture by Irrelevant Faces. PLoS ONE, 2012, 7, e34598.	1.1	34
33	Film Excerpts Shown to Specifically Elicit Various Affects Lead to Overlapping Activation Foci in a Large Set of Symmetrical Brain Regions in Males. PLoS ONE, 2011, 6, e22343.	1.1	33
34	Effects of motivational conflicts on visually elicited saccades in monkeys. Experimental Brain Research, 2003, 152, 361-367.	0.7	30
35	Cognitive Control and Individual Differences in Economic Ultimatum Decision-Making. PLoS ONE, 2011, 6, e27107.	1.1	28
36	Distance in Motion: Response Trajectories Reveal the Dynamics of Number Comparison. PLoS ONE, 2011, 6, e25429.	1.1	27

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37	Exogenous/Endogenous Control of Space-based/ Object-based Attention: Four Types of Visual Selection?. <i>European Journal of Cognitive Psychology</i> , 1998, 10, 41-74.	1.3	26
38	Long-Range Correlation in Synchronization and Syncopation Tapping: A Linear Phase Correction Model. <i>PLoS ONE</i> , 2009, 4, e7822.	1.1	26
39	Interference from irrelevant features on visual discrimination by macaques (<i>Macaca fuscata</i>): A behavioral analogue of the human Stroop effect.. <i>Journal of Experimental Psychology</i> , 2000, 26, 352-357.	1.9	25
40	The Biological Basis of a Universal Constraint on Color Naming: Cone Contrasts and the Two-Way Categorization of Colors. <i>PLoS ONE</i> , 2011, 6, e24994.	1.1	23
41	Recurrent, Robust and Scalable Patterns Underlie Human Approach and Avoidance. <i>PLoS ONE</i> , 2010, 5, e10613.	1.1	22
42	How Are "Barack Obama" and "President Elect" Differentially Stored in the Brain? An ERP Investigation on the Processing of Proper and Common Noun Pairs. <i>PLoS ONE</i> , 2009, 4, e7126.	1.1	22
43	Parallel Explicit and Implicit Control of Reaching. <i>PLoS ONE</i> , 2009, 4, e7557.	1.1	21
44	A Code for Spatial Alternation During Fixation in Rat Hippocampal CA1 Neurons. <i>Journal of Neurophysiology</i> , 2009, 102, 556-567.	0.9	20
45	Can We Dissociate Contingency Learning from Social Learning in Word Acquisition by 24-Month-Olds?. <i>PLoS ONE</i> , 2012, 7, e49881.	1.1	20
46	Evaluative Processing of Food Images: A Conditional Role for Viewing in Preference Formation. <i>Frontiers in Psychology</i> , 2018, 9, 936.	1.1	19
47	The Anatomy of Bias. , 2010, , .		19
48	A Maternal Influence on Reading the Mind in the Eyes Mediated by Executive Function: Differential Parental Influences on Full and Half-Siblings. <i>PLoS ONE</i> , 2011, 6, e23236.	1.1	18
49	Mismatch Response to Polysyllabic Nonwords: A Neurophysiological Signature of Language Learning Capacity. <i>PLoS ONE</i> , 2009, 4, e6270.	1.1	18
50	The effect of semantic information on saccade trajectory deviations. <i>Vision Research</i> , 2011, 51, 1124-1128.	0.7	17
51	Attentional capture and hold: the oculomotor correlates of the change detection advantage for faces. <i>Psychological Research</i> , 2011, 75, 10-23.	1.0	17
52	A gaze bias with coarse spatial indexing during a gambling task. <i>Cognitive Neurodynamics</i> , 2018, 12, 171-181.	2.3	17
53	Brain and the Gaze. , 2012, , .		17
54	Within-session dynamics of theta-gamma coupling and high-frequency oscillations during spatial alternation in rat hippocampal area CA1. <i>Cognitive Neurodynamics</i> , 2014, 8, 363-372.	2.3	15

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55	Evaluative Processing of Food Images: Longer Viewing for Indecisive Preference Formation. <i>Frontiers in Psychology</i> , 2019, 10, 608.	1.1	15
56	Dissociable Modulation of Overt Visual Attention in Valence and Arousal Revealed by Topology of Scan Path. <i>PLoS ONE</i> , 2011, 6, e18262.	1.1	15
57	Visual Working Memory Capacity Does Not Modulate the Feature-Based Information Filtering in Visual Working Memory. <i>PLoS ONE</i> , 2011, 6, e23873.	1.1	14
58	An acute increase in water temperature can increase free amino acid concentrations in the blood, brain, liver, and muscle in goldfish (<i>Carassius auratus</i>). <i>Fish Physiology and Biochemistry</i> , 2019, 45, 1343-1354.	0.9	14
59	Interference from irrelevant features on visual discrimination by macaques (<i>Macaca fuscata</i>): a behavioral analogue of the human Stroop effect. <i>Journal of Experimental Psychology</i> , 2000, 26, 352-7.	1.9	14
60	Behavioral state-dependent episodic representations in rat CA1 neuronal activity during spatial alternation. <i>Cognitive Neurodynamics</i> , 2009, 3, 165-175.	2.3	13
61	Active Confirmation Bias in the Evaluative Processing of Food Images. <i>Scientific Reports</i> , 2018, 8, 16864.	1.6	13
62	A reaction-time paradigm to measure reward-oriented bias in rats.. <i>Journal of Experimental Psychology</i> , 2006, 32, 467-473.	1.9	12
63	The Time Course of Attention: Selection Is Transient. <i>PLoS ONE</i> , 2011, 6, e27661.	1.1	12
64	Knowledge acquisition in poetry criticism: the expert's eye movements as an information tool. <i>International Journal of Human Computer Studies</i> , 1996, 45, 1-18.	3.7	11
65	c-Fos Expression during Temporal Order Judgment in Mice. <i>PLoS ONE</i> , 2010, 5, e10483.	1.1	11
66	Context and the renewal of conditioned taste aversion: the role of rat dorsal hippocampus examined by electrolytic lesion. <i>Cognitive Neurodynamics</i> , 2012, 6, 399-407.	2.3	10
67	Contextual Modulation of Biases in Face Recognition. <i>PLoS ONE</i> , 2010, 5, e12939.	1.1	9
68	Voluntary control of unavoidable action. <i>Trends in Cognitive Sciences</i> , 2006, 10, 47-49.	4.0	7
69	Dissociation of category versus item priming in face processing: an event-related potential study. <i>Cognitive Neurodynamics</i> , 2012, 6, 155-167.	2.3	7
70	A short-lived face alert during inhibition of return. <i>Attention, Perception, and Psychophysics</i> , 2012, 74, 510-520.	0.7	7
71	Fear conditioning induces guinea pig auditory cortex activation by foot shock alone. <i>Cognitive Neurodynamics</i> , 2013, 7, 67-77.	2.3	7
72	Trial-by-Trial Changes in a Priori Informational Value of External Cues and Subjective Expectancies in Human Auditory Attention. <i>PLoS ONE</i> , 2011, 6, e21033.	1.1	7

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73	Setting the space for deliberation in decision-making. <i>Cognitive Neurodynamics</i> , 2021, 15, 743-755.	2.3	6
74	Global Orientation Disrupts the Detection of a Similar Local Orientation. <i>Perception</i> , 1997, 26, 1259-1270.	0.5	4
75	Crosstalk between on-line and off-line processing of visual features. <i>Psychological Research</i> , 2006, 70, 170-179.	1.0	4
76	Selective Working Memory Disables Inhibition of Visual Features. <i>Experimental Psychology</i> , 2007, 54, 256-263.	0.3	4
77	Mirroring Intentional Forgetting in a Shared-Goal Learning Situation. <i>PLoS ONE</i> , 2012, 7, e29992.	1.1	4
78	Optical imaging of plastic changes induced by fear conditioning in the auditory cortex. <i>Cognitive Neurodynamics</i> , 2012, 6, 1-10.	2.3	3
79	Rethinking the Three R's in Animal Research. , 2018, , .		3
80	Systemic dizocilpine (MK-801) facilitates performance in opposition to response bias. <i>Behavioral and Brain Functions</i> , 2007, 3, 48.	1.4	2
81	Semantic Influences from a Brief Peripheral Cue Depend on Task Set. <i>Quarterly Journal of Experimental Psychology</i> , 2010, 63, 1249-1255.	0.6	2
82	A Comprehensive Model of Audiovisual Perception: Both Percept and Temporal Dynamics. <i>PLoS ONE</i> , 2011, 6, e23811.	1.1	2
83	Tracking the Influence of Predictive Cues on the Evaluation of Food Images: Volatility Enables Nudging. <i>Frontiers in Psychology</i> , 2020, 11, 569078.	1.1	2
84	Influence of multiple action–outcome associations on the transition dynamics toward an optimal choice in rats. <i>Cognitive Neurodynamics</i> , 2018, 12, 43-53.	2.3	1
85	Urgency Promotes Affective Disengagement: Effects From Bivalent Cues on Preference Formation for Abstract Images. <i>Frontiers in Psychology</i> , 2020, 11, 1404.	1.1	1
86	The Role of Temperature in Moral Decision-Making: Limited Reproducibility. <i>Frontiers in Psychology</i> , 2021, 12, 681527.	1.1	1
87	Bias Versus Sensitivity in Cognitive Processing: A Critical, but Often Overlooked, Issue for Data Analysis. <i>Advances in Cognitive Neurodynamics</i> , 2018, , 391-397.	0.1	1
88	Effects of reward and punishment on exploratory behavior in rats. <i>Neuroscience Research</i> , 2010, 68, e432.	1.0	0
89	Gamma-band frequency shift during alert immobility in rat hippocampal CA1 area. <i>Neuroscience Research</i> , 2011, 71, e176.	1.0	0
90	On the Other Side of Consciousness. <i>American Journal of Psychology</i> , 2011, 124, 491.	0.5	0

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91	Dynamic Information Routing in the Hippocampus. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 275-281.	0.1	0
92	Toward Reasonable Experimental Inquiry. , 2018, , 103-129.		0
93	The Monkey Question. , 2018, , 71-101.		0
94	Effects of Predictive Information on Pupil Dilation during the Evaluation of Food Images. , 2019, , .		0
95	The Contribution of Dopamine to the Implementation of Reward Value During the Control of Action. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2008, 8, 72-84.	0.5	0
96	Optical Imaging of Plastic Changes Induced by Fear Conditioning in the Auditory Cortex of Guinea Pig. <i>Lecture Notes in Computer Science</i> , 2009, , 416-422.	1.0	0
97	Bayes and Bias. , 2010, , 1-48.		0
98	Wish Come True. , 2010, , 49-90.		0
99	The Proximity Trap. , 2010, , 149-172.		0
100	Utopiaâ€”A World without Bias. , 2010, , 199-222.		0
101	Fear Materialized. , 2010, , 91-120.		0
102	Coda: The Pleasure of Prediction Error. , 2010, , 223-232.		0
103	Prelude: A Double Inheritance, a Single Question. , 2010, , vii-xx.		0
104	The Familiarity Fallacy. , 2010, , 121-148.		0
105	The Theta Cycle and Spike Timing During Fixation in Rat Hippocampal CA1. , 2013, , 773-779.		0
106	Transition Dynamics in Spatial Choice. , 2013, , 393-399.		0
107	Integration of Hetero Inputs to Guinea Pig Auditory Cortex Established by Fear Conditioning. , 2013, , 765-771.		0
108	An Event-related Potential Study Using Repetition Priming to Investigate Different Stages in Face and Building Processing. <i>IFMBE Proceedings</i> , 2013, , 1565-1568.	0.2	0

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109	Development of Behavioral Experiment for Rat Mirror System. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2014, 78, 1AM-1-023-1AM-1-023.	0.0	0
110	Optical Imaging of Plastic Changes Induced by Fear Conditioning in Auditory, Visual, and Somatosensory Cortices. Advances in Cognitive Neurodynamics, 2015, , 453-457.	0.1	0
111	Gamma-Band Shift in the Activity of Rat Hippocampal CA1: A Comparison of Memory-Guided and Visually-Cued Spatial Choice. Advances in Cognitive Neurodynamics, 2015, , 609-613.	0.1	0
112	The Role of Visual Attention in Evaluative Decision-making. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2017, 81, 1D-076-1D-076.	0.0	0
113	Beyond Prediction: Self-Organization of Meaning with the World As a Constraint. Advances in Cognitive Neurodynamics, 2018, , 383-390.	0.1	0
114	A Mismatch Between Micro-motives and Macro-behavior. , 2018, , 41-69.		0
115	Concept Fatigue with the Three Râ€™s. , 2018, , 9-40.		0
116	Animal Research, Safeguards, and Lessons from the Long History of Judicial Torture. Journal of Animal Ethics, 2020, 10, 103.	0.1	0
117	Optical Imaging of Plastic Changes Induced by Fear Conditioning in The Auditory Cortex of Guinea Pig. , 2008, , 369-373.		0