

# Martial Mermillod

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,569  
citations

331670

21  
h-index

214800

47  
g-index

104  
all docs

104  
docs citations

104  
times ranked

2871  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Simulation of Smiles (SIMS) model: Embodied simulation and the meaning of facial expression. <i>Behavioral and Brain Sciences</i> , 2010, 33, 417-433.	0.7	512
2	Suicide among physicians and health-care workers: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2019, 14, e0226361.	2.5	285
3	Heart rate variability in type 2 diabetes mellitus: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0195166.	2.5	229
4	The stability-plasticity dilemma: investigating the continuum from catastrophic forgetting to age-limited learning effects. <i>Frontiers in Psychology</i> , 2013, 4, 504.	2.1	203
5	The Role of Bottom-Up Processing in Perceptual Categorization by 3- to 4-Month-Old Infants: Simulations and Data.. <i>Journal of Experimental Psychology: General</i> , 2004, 133, 382-397.	2.1	116
6	The effect of expectancy of a threatening event on time perception in human adults.. <i>Emotion</i> , 2010, 10, 908-914.	1.8	87
7	A Rapid Subcortical Amygdala Route for Faces Irrespective of Spatial Frequency and Emotion. <i>Journal of Neuroscience</i> , 2017, 37, 3864-3874.	3.6	80
8	Emotional Modulation of Attention: Fear Increases but Disgust Reduces the Attentional Blink. <i>PLoS ONE</i> , 2009, 4, e7924.	2.5	61
9	Are Coarse Scales Sufficient for Fast Detection of Visual Threat?. <i>Psychological Science</i> , 2010, 21, 1429-1437.	3.3	48
10	From relief to surprise: Dual control of epistemic curiosity in the human brain. <i>NeuroImage</i> , 2018, 181, 490-500.	4.2	48
11	Shift work, and particularly permanent night shifts, promote dyslipidaemia: A systematic review and meta-analysis. <i>Atherosclerosis</i> , 2020, 313, 156-169.	0.8	44
12	The importance of low spatial frequency information for recognising fearful facial expressions. <i>Connection Science</i> , 2009, 21, 75-83.	3.0	43
13	Resting high frequency heart rate variability selectively predicts cooperative behavior. <i>Physiology and Behavior</i> , 2016, 164, 417-428.	2.1	43
14	Effect of temporal constraints on hemispheric asymmetries during spatial frequency processing. <i>Brain and Cognition</i> , 2006, 62, 214-220.	1.8	42
15	Neural computation as a tool to differentiate perceptual from emotional processes: The case of anger superiority effect. <i>Cognition</i> , 2009, 110, 346-357.	2.2	42
16	Coarse scales are sufficient for efficient categorization of emotional facial expressions: Evidence from neural computation. <i>Neurocomputing</i> , 2010, 73, 2522-2531.	5.9	42
17	Unintended embodiment of concepts into percepts: Sensory activation boosts attention for same-modality concepts in the attentional blink paradigm. <i>Cognition</i> , 2009, 112, 467-472.	2.2	36
18	The coarse-to-fine hypothesis revisited: Evidence from neuro-computational modeling. <i>Brain and Cognition</i> , 2005, 57, 151-157.	1.8	33

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19	Short article: The effects of age of acquisition and frequency trajectory on object naming: Comments on PÃ©rez (2007). Quarterly Journal of Experimental Psychology, 2009, 62, 1132-1140.	1.1	24
20	Destructive Obedience Without Pressure. Social Psychology, 2015, 46, 345-351.	0.7	23
21	Psycholinguistic norms and face naming times for photographs of celebrities in French. Behavior Research Methods, 2008, 40, 137-146.	4.0	22
22	The combined effect of subthalamic nuclei deep brain stimulation and l-dopa increases emotion recognition in Parkinson's disease. Neuropsychologia, 2012, 50, 2869-2879.	1.6	22
23	'Do Well B.': Design Of WELL Being monitoring systems. A study protocol for the application in autism. BMJ Open, 2015, 5, e007716-e007716.	1.9	22
24	Exploring the Link between Work Addiction Risk and Health-Related Outcomes Using Job-Demand-Control Model. International Journal of Environmental Research and Public Health, 2020, 17, 7594.	2.6	20
25	Computational Evidence That Frequency Trajectory Theory Does Not Oppose But Emerges From Age-Of-Acquisition Theory. Cognitive Science, 2012, 36, 1499-1531.	1.7	18
26	Combined effects of expectations and visual uncertainty upon detection and identification of a target in the fog. Cognitive Processing, 2015, 16, 343-348.	1.4	18
27	Does the thought of death contribute to the memory benefit of encoding with a survival scenario?. Memory, 2015, 23, 213-232.	1.7	17
28	Maximal tachycardia and high cardiac strain during night shifts of emergency physicians. International Archives of Occupational and Environmental Health, 2017, 90, 467-480.	2.3	17
29	Rapid scene categorization: From coarse peripheral vision to fine central vision. Vision Research, 2020, 170, 60-72.	1.4	17
30	Work Addiction Test Questionnaire to Assess Workaholism: Validation of French Version. JMIR Mental Health, 2018, 5, e12.	3.3	17
31	Enhanced embodied response following ambiguous emotional processing. Cognitive Processing, 2012, 13, 103-106.	1.4	16
32	Perceptual Factors Affecting the Ability to Assess Facial Resemblance between Parents and Newborns in Humans. Perception, 2010, 39, 807-818.	1.2	15
33	Is it a he or a she? Behavioral and computational approaches to sex categorization. Attention, Perception, and Psychophysics, 2011, 73, 1344-1349.	1.3	15
34	The body language: The spontaneous influence of congruent bodily arousal on the awareness of emotional words.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 582-589.	0.9	13
35	How does information from low and high spatial frequencies interact during scene categorization?. Visual Cognition, 2017, 25, 853-867.	1.6	13
36	Burnout Among Hospital Non-Healthcare Staff. Journal of Occupational and Environmental Medicine, 2021, 63, e13-e20.	1.7	13

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37	Reduction of interference effect by low spatial frequency information priming in an emotional Stroop task. <i>Journal of Vision</i> , 2015, 15, 16.	0.3	12
38	How to Measure Sedentary Behavior at Work?. <i>Frontiers in Public Health</i> , 2019, 7, 167.	2.7	12
39	Mindfulness and De-automatization: Effect of Mindfulness-Based Interventions on Emotional Facial Expressions Processing. <i>Mindfulness</i> , 2021, 12, 226-239.	2.8	11
40	Protective Effect on Mortality of Active Commuting to Work: A Systematic Review and Meta-analysis. <i>Sports Medicine</i> , 2020, 50, 2237-2250.	6.5	10
41	Verifying properties of concepts spontaneously requires sharing resources with same-modality percept. <i>Cognitive Processing</i> , 2013, 14, 81-87.	1.4	9
42	Rapid Presentation of Emotional Expressions Reveals New Emotional Impairments in Tourette's Syndrome. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 149.	2.0	9
43	Dopamine Replacement Therapy and Deep Brain Stimulation of the Subthalamic Nuclei Induce Modulation of Emotional Processes at Different Spatial Frequencies in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2014, 4, 97-110.	2.8	9
44	Embodying Emotional Disorders: New Hypotheses about Possible Emotional Consequences of Motor Disorders in Parkinson's Disease and Tourette's Syndrome. <i>ISRN Neurology</i> , 2011, 2011, 1-6.	1.5	8
45	Real-world expectations and their affective value modulate object processing. <i>NeuroImage</i> , 2020, 213, 116736.	4.2	8
46	Improving generalisation skills in a neural network on the basis of neurophysiological data. <i>Brain and Cognition</i> , 2005, 58, 246-248.	1.8	7
47	The future of SIMS: Who embodies which smile and when?. <i>Behavioral and Brain Sciences</i> , 2010, 33, 464-480.	0.7	7
48	Evidence of fast and automatic gender bias in affective priming. <i>Journal of Cognitive Psychology</i> , 2015, 27, 301-309.	0.9	7
49	Stress management in obesity during a thermal spa residential programme (ObesiStress): a protocol for a randomised controlled trial study. <i>BMJ Open</i> , 2019, 9, e027058.	1.9	7
50	Impact of Spatial Frequency Based Constraints on Adversarial Robustness. , 2021, , .		7
51	Memory for Words Representing Modal Concepts. <i>Experimental Psychology</i> , 2013, 60, 293-301.	0.7	7
52	Evidence of Rapid Modulation by Social Information of Subjective, Physiological, and Neural Responses to Emotional Expressions. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 11, 231.	2.0	6
53	Effects of a short residential thermal spa program to prevent work-related stress/burnout on stress biomarkers: the ThermStress proof of concept study. <i>Journal of International Medical Research</i> , 2019, 47, 5130-5145.	1.0	6
54	Emotional face recognition in autism and in cerebral visual impairments: In search for specificity. <i>Journal of Neuropsychology</i> , 2021, 15, 235-252.	1.4	6

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55	The Forgotten Health-Care Occupations at Risk of Burnout—A Burnout, Job Demand-Control-Support, and Effort-Reward Imbalance Survey. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, e416-e425.	1.7	6
56	High spatial frequency filtered primes hastens happy faces categorization in autistic adults. <i>Brain and Cognition</i> , 2021, 155, 105811.	1.8	6
57	Validation of Visual Analogue Scales of job demand and job control at the workplace: a cross-sectional study. <i>BMJ Open</i> , 2022, 12, e046403.	1.9	6
58	Fast emotional embodiment can modulate sensory exposure in perceivers. <i>Communicative and Integrative Biology</i> , 2010, 3, 184-187.	1.4	5
59	You can laugh at everything, but not with everyone. <i>Interaction Studies</i> , 2017, 18, 116-141.	0.6	5
60	When the Sad Past Is Left: The Mental Metaphors Between Time, Valence, and Space. <i>Frontiers in Psychology</i> , 2018, 9, 1019.	2.1	5
61	Influence of authoritarianism, vagal tone and mental fatigue on obedience to authority. <i>Cognition and Emotion</i> , 2019, 33, 157-172.	2.0	5
62	Dream Net: a privacy preserving continual learning model for face emotion recognition. , 2021, , .		5
63	Contraintes perceptives et temporelles dans l'exploration du modèle de Ledoux. <i>Annee Psychologique</i> , 2011, 111, 465-479.	0.3	4
64	Right wing authoritarianism is associated with race bias in face detection. <i>PLoS ONE</i> , 2017, 12, e0179894.	2.5	4
65	Influence of uncertainty on framed decision-making with moral dilemma. <i>PLoS ONE</i> , 2018, 13, e0197923.	2.5	4
66	The importance of recurrent top-down synaptic connections for the anticipation of dynamic emotions. <i>Neural Networks</i> , 2019, 109, 19-30.	5.9	4
67	Facial width-to-height ratio underlies perceived dominance on facial emotional expressions. <i>Personality and Individual Differences</i> , 2021, 172, 110583.	2.9	4
68	The Predictive Role of Low Spatial Frequencies in Automatic Face Processing: A Visual Mismatch Negativity Investigation. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 838454.	2.0	4
69	Efficiency of orientation channels in the striate cortex for distributed categorization process. <i>Brain and Cognition</i> , 2004, 55, 352-354.	1.8	3
70	Binocular correlation model of face preference: how good, how simple?. <i>Developmental Science</i> , 2014, 17, 828-830.	2.4	3
71	Introduction and validation of the Natural Disasters Picture System (NDPS). <i>PLoS ONE</i> , 2018, 13, e0201942.	2.5	3
72	The Role of Emotional Content and Perceptual Saliency During the Programming of Saccades Toward Faces. <i>Cognitive Science</i> , 2021, 45, e13042.	1.7	3

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73	Ambiguous Emotional Processing and Embodiment. , 2016, , .		3
74	Reducing uncertainty to promote appropriate decisions when facing hazardous phenomena at an active volcano. Journal of Applied Social Psychology, 2018, 48, 227-234.	2.0	2
75	Protect Others to Protect Myself: A Weakness of Western Countries in the Face of Current and Future Pandemics? Psychological and Neuroscientific Perspectives. Frontiers in Integrative Neuroscience, 2021, 15, 608151.	2.1	2
76	The Modulation of Cardiac Vagal Tone on Attentional Orienting of Fair-Related Faces: Low HRV is Associated with Faster Attentional Engagement to Fair-Relevant Stimuli. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 229-243.	2.0	2
77	Alexithymia disrupts the beneficial influence of arousal on attention: Evidence from the attentional blink.. Personality Disorders: Theory, Research, and Treatment, 2019, 10, 545-550.	1.3	2
78	Chapitre 10. Troubles psychiatriques et stimulation cérébrale profonde: perspectives de recherche clinique et fondamentale. , 2008, , 229.		2
79	Demoisaicing using Dual Layer Feedforward Neural Network. Color and Imaging Conference, 2018, 26, 211-218.	0.2	2
80	Assessment of sick building syndrome using visual analog scales. Indoor Air, 2022, 32, e13024.	4.3	2
81	A NEURAL NETWORK INVESTIGATION OF THE HEAD PREFERENCE: PROBLEMS EXPLAINING EMPIRICAL RESULTS BY BOTTOM-UP PROCESSES ALONE. , 2005, , .		1
82	Affective Priming in Visual-field Superiority. Review of European Studies, 2011, 3, .	0.3	1
83	Managing decision-making with certainty of threat. Journal of Risk Research, 2018, 21, 1551-1561.	2.6	1
84	Desperately seeking friends: How expectation of punishment modulates attention to angry and happy faces. Visual Cognition, 2019, 27, 649-656.	1.6	1
85	RECONSTRUCTION OF SPATIAL AND CHROMATIC INFORMATION FROM THE CONE MOSAIC. , 2008, , .		1
86	DOES THE ENERGY SPECTRUM FROM GABOR WAVELET FILTERING REPRESENT SUFFICIENT INFORMATION FOR NEURAL NETWORK RECOGNITION AND CLASSIFICATION TASKS?. , 2004, , .		1
87	Chapitre 9. Les Émotions. , 2012, , 279-309.		1
88	Erratum to "Efficiency of orientation channels in the striate cortex for distributed categorization processes" [Brain and Cognition 55 (2004) 352-354]. Brain and Cognition, 2005, 58, 245.	1.8	0
89	Second-person social neuroscience: Connections to past and future theories, methods, and findings. Behavioral and Brain Sciences, 2013, 36, 440-441.	0.7	0
90	The importance of feature distribution and correlation for simulating 3 to 4-month-old infants' visual categorization processes. Visual Cognition, 2013, 21, 726-738.	1.6	0

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91	USING AUTOENCODERS TO MODEL ASYMMETRIC CATEGORY LEARNING IN EARLY INFANCY: INSIGHTS FROM PRINCIPAL COMPONENTS ANALYSIS. , 2002, , .		0
92	CONNECTIONIST HYPOTHESIS ABOUT AN ONTOGENETIC DEVELOPMENT OF CONCEPTUALLY-DRIVEN CORTICAL ANISOTROPY. , 2008, , .		0