Gilles Rc Pourtois

List of Publications by Year in Descending Order

144 papers	8,861 citations	45 h-index	93 g-index
155 ext. papers	9,962 ext. citations	4.2 avg, IF	6.42 L-index

#	Paper	IF	Citations
144	Modulation of Conflict Processing by Reappraisal: An Experimental Investigation. *Brain Sciences*, **2022**, 12, 564	3.4	0
143	Reduced flexibility of cognitive control: reactive, but not proactive control, underpins the congruency sequence effect. *Psychological Research*, **2021**, 1	2.5	1
142	Finding a balance: modulatory effects of positive affect on attentional and cognitive control. *Current Opinion in Behavioral Sciences*, **2021**, 39, 136-141	4	6
141	Utilizing electroencephalography (EEG) to investigate positive affect. *Current Opinion in Behavioral Sciences*, **2021**, 39, 190-195	4	1
140	Learning biases to angry and happy faces during Pavlovian aversive conditioning. *Emotion*, **2021**, 21, 742-756	4.56	2
139	The rise of affectivism. *Nature Human Behaviour*, **2021**, 5, 816-820	12.8	15
138	Early reduction of sensory processing within the visual cortex when switching from internal to external attention. *Biological Psychology*, **2021**, 163, 108119	3.2	1
137	Children's automatic evaluation of self-generated actions is different from adults. *Developmental Science*, **2021**, 24, e13045	4.5	1
136	Top-Down Modulation of Early Visual Processing in V1: Dissociable Neurophysiological Effects of Spatial Attention, Attentional Load and Task-Relevance. *Cerebral Cortex*, **2021**,	5.1	1
135	Task Learnability Modulates Surprise but Not Valence Processing for Reinforcement Learning in Probabilistic Choice Tasks. *Journal of Cognitive Neuroscience*, **2021**, 34, 34-53	3.1	
134	Neurophysiological evidence for evaluative feedback processing depending on goal relevance. *NeuroImage*, **2020**, 215, 116857	7.9	5
133	Averaging multiple facial expressions through subsampling. *Visual Cognition*, **2020**, 28, 41-58	1.8	3
132	Modulatory effects of positive mood and approach motivation on reward processing: Two sides of the same coin?. *Cognitive, Affective and Behavioral Neuroscience*, **2020**, 20, 236-249	3.5	3
131	More efficient shielding for internal than external attention? Evidence from asymmetrical switch costs. *Journal of Experimental Psychology: Human Perception and Performance*, **2020**, 46, 912-925	2.6	1
130	Dissociable effects of reward magnitude on fronto-medial theta and FRN during performance monitoring. *Psychophysiology*, **2020**, 57, e13481	4.1	4
129	Abnormal approach-related motivation but spared reinforcement learning in MDD: Evidence from fronto-midline Theta oscillations and frontal Alpha asymmetry. *Cognitive, Affective and Behavioral Neuroscience*, **2019**, 19, 759-777	3.5	9
128	Switching attention from internal to external information processing: A review of the literature and empirical support of the resource sharing account. *Psychonomic Bulletin and Review*, **2019**, 26, 468-490	4.1	15

127	Achievement motivation modulates Pavlovian aversive conditioning to goal-relevant stimuli. *Npj Science of Learning*, **2019**, 4, 4	6	4
126	When the outcome is different than expected: Subjective expectancy shapes reward prediction error at the FRN level. *Psychophysiology*, **2019**, 56, e13456	4.1	4
125	Defensive motivation increases conflict adaptation through local changes in cognitive control: Evidence from ERPs and mid-frontal theta. *Biological Psychology*, **2019**, 148, 107738	3.2	6
124	Attentional flexibility is imbalanced: Asymmetric cost for switches between external and internal attention. *Journal of Experimental Psychology: Human Perception and Performance*, **2019**, 45, 1399-1414	2.6	2
123	Reappraising cognitive control: normal reactive adjustments following conflict processing are abolished by proactive emotion regulation. *Psychological Research*, **2019**, 83, 1-12	2.5	6
122	Behavioral and electrophysiological responses to fairness norm violations in antisocial offenders. *European Archives of Psychiatry and Clinical Neuroscience*, **2019**, 269, 731-740	5.1	5
121	Mean emotion from multiple facial expressions can be extracted with limited attention: Evidence from visual ERPs. *Neuropsychologia*, **2018**, 111, 92-102	3.2	10
120	Early retinotopic responses to violations of emotion-location associations may depend on conscious awareness. *Cognitive Neuroscience*, **2018**, 9, 38-55	1.7	0
119	Integration of reward with cost anticipation during performance monitoring revealed by ERPs and EEG spectral perturbations. *NeuroImage*, **2018**, 173, 153-164	7.9	17
118	Conflict-driven adaptive control is enhanced by integral negative emotion on a short time scale. *Cognition and Emotion*, **2018**, 32, 1637-1653	2.3	13
117	Measuring Pavlovian appetitive conditioning in humans with the postauricular reflex. *Psychophysiology*, **2018**, 55, e13073	4.1	11
116	Capacity limitations to extract the mean emotion from multiple facial expressions depend on emotion variance. *Vision Research*, **2018**, 145, 39-48	2.1	9
115	Cue-target contingencies modulate voluntary orienting of spatial attention: dissociable effects for speed and accuracy. *Psychological Research*, **2018**, 82, 272-283	2.5	2
114	Modulation of the earliest visual evoked potential by attention: now you see it, now you don't. *Cognitive Neuroscience*, **2018**, 9, 23-24	1.7	
113	Occipital alpha power reveals fast attentional inhibition of incongruent distractors. *Psychophysiology*, **2018**, 55, e13011	4.1	27
112	Electrophysiological correlates of the interplay between low-level visual features and emotional content during word reading. *Scientific Reports*, **2018**, 8, 12228	4.9	17
111	Capacity limitations to extract the mean emotion from multiple facial expressions depend on emotion variance. *Journal of Vision*, **2018**, 18, 610	0.4	
110	Enhanced Pavlovian aversive conditioning to positive emotional stimuli. *Journal of Experimental Psychology: General*, **2018**, 147, 905-923	4.7	13

109	Dissociable effects of reward and expectancy during evaluative feedback processing revealed by topographic ERP mapping analysis. *International Journal of Psychophysiology*, **2018**, 132, 213-225	2.9	16
108	Relevance and uncertainty jointly influence reward anticipation at the level of the SPN ERP component. *International Journal of Psychophysiology*, **2018**, 132, 287-297	2.9	11
107	Goals matter: Amplification of the motivational significance of the feedback when goal impact is increased. *Brain and Cognition*, **2018**, 128, 56-72	2.7	7
106	Ensemble representation for multiple facial expressions: Evidence for a capacity limited perceptual process. *Journal of Vision*, **2018**, 18, 17	0.4	6
105	Someone's lurking in the dark: The role of state anxiety on attention deployment to threat-related stimuli. *Biological Psychology*, **2017**, 122, 21-32	3.2	10
104	Motivational Salience Modulates Early Visual Cortex Responses across Task Sets. *Journal of Cognitive Neuroscience*, **2017**, 29, 968-979	3.1	20
103	Mood congruent tuning of reward expectation in positive mood: evidence from FRN and theta modulations. *Social Cognitive and Affective Neuroscience*, **2017**, 12, 765-774	4	19
102	Modulatory Effects of Positive Mood on Cognition: Lessons From Attention and Error Monitoring. *Current Directions in Psychological Science*, **2017**, 26, 495-501	6.5	4
101	Independent effects of motivation and spatial attention in the human visual cortex. *Social Cognitive and Affective Neuroscience*, **2017**, 12, 146-156	4	19
100	Spared internal but impaired external reward prediction error signals in major depressive disorder during reinforcement learning. *Depression and Anxiety*, **2017**, 34, 89-96	8.4	11
99	Modulatory effects of happy mood on performance monitoring: Insights from error-related brain potentials. *Cognitive, Affective and Behavioral Neuroscience*, **2017**, 17, 106-123	3.5	15
98	Goal impact influences the evaluative component of performance monitoring: Evidence from ERPs. *Biological Psychology*, **2017**, 129, 90-102	3.2	9
97	Ensemble representation for multiple facial expressions: Evidence for a capacity limited but asymmetrical perceptual process between positive and negative facial expressions. *Journal of Vision*, **2017**, 17, 830	0.4	
96	Paying attention to working memory: Similarities in the spatial distribution of attention in mental and physical space. *Psychonomic Bulletin and Review*, **2016**, 23, 1190-7	4.1	7
95	The time course of cognitive control implementation. *Psychonomic Bulletin and Review*, **2016**, 23, 1266-72	4.1	15
94	Joint effects of sensory feedback and interoceptive awareness on conscious error detection: Evidence from event related brain potentials. *Biological Psychology*, **2016**, 114, 49-60	3.2	14
93	Involuntary attentional orienting in the absence of awareness speeds up early sensory processing. *Cortex*, **2016**, 74, 107-17	3.8	7
92	Training working memory to improve attentional control in anxiety: A proof-of-principle study using behavioral and electrophysiological measures. *Biological Psychology*, **2016**, 121, 203-212	3.2	115

91	Evaluative priming reveals dissociable effects of cognitive versus physiological anxiety on action monitoring. *Emotion*, **2016**, 16, 498-514	4.1	6
90	Goal relevance influences performance monitoring at the level of the FRN and P3 components. *Psychophysiology*, **2016**, 53, 1020-33	4.1	29
89	Happy heart, smiling eyes: A systematic review of positive mood effects on broadening of visuospatial attention. *Neuroscience and Biobehavioral Reviews*, **2016**, 68, 816-837	9	42
88	Fake feedback on pain tolerance impacts proactive versus reactive control strategies. *Consciousness and Cognition*, **2016**, 42, 366-373	2.6	5
87	Accelerated intermittent theta burst stimulation treatment in medication-resistant major depression: A fast road to remission?. *Journal of Affective Disorders*, **2016**, 200, 6-14	6.6	89
86	Happy and less inhibited? Effects of positive mood on inhibitory control during an antisaccade task revealed using topographic evoked potential mapping. *Biological Psychology*, **2015**, 110, 190-200	3.2	18
85	SWhy should I care?SChallenging free will attenuates neural reaction to errors. *Social Cognitive and Affective Neuroscience*, **2015**, 10, 262-8	4	32
84	What is in the feedback? Effect of induced happiness vs. sadness on probabilistic learning with vs. without exploration. *Frontiers in Human Neuroscience*, **2015**, 9, 584	3.3	4
83	Event-related potentials reveal preserved attention allocation but impaired emotion regulation in patients with epilepsy and comorbid negative affect. *PLoS ONE*, **2015**, 10, e0116817	3.7	4
82	Error Monitoring Under Negative Affect: A Window into Maladaptive Self-Regulation Processes **2015**, 109-123		1
81	Feeling happy enhances early spatial encoding of peripheral information automatically: electrophysiological time-course and neural sources. *Cognitive, Affective and Behavioral Neuroscience*, **2014**, 14, 951-69	3.5	22
80	Effects of positive mood on probabilistic learning: behavioral and electrophysiological correlates. *Biological Psychology*, **2014**, 103, 223-32	3.2	25
79	Brain systems underlying the affective and social monitoring of actions: an integrative review. *Neuroscience and Biobehavioral Reviews*, **2014**, 46 Pt 1, 71-84	9	123
78	Abnormal proactive and reactive cognitive control during conflict processing in major depression. *Journal of Abnormal Psychology*, **2014**, 123, 68-80	7	27
77	Semi-parametric proportional hazards models with crossed random effects for psychometric response times. *British Journal of Mathematical and Statistical Psychology*, **2014**, 67, 304-27	2.8	11
76	Changing your mind before it is too late: the electrophysiological correlates of online error correction during response selection. *Psychophysiology*, **2014**, 51, 746-60	4.1	15
75	Feature-specific attention allocation overrules the orienting response to emotional stimuli. *Social Cognitive and Affective Neuroscience*, **2014**, 9, 1351-9	4	17
74	Controlling the emotional heart: heart rate biofeedback improves cardiac control during emotional reactions. *International Journal of Psychophysiology*, **2014**, 91, 225-31	2.9	34

73	Electrical neuroimaging reveals content-specific effects of threat in primary visual cortex and fronto-parietal attentional networks. *NeuroImage*, **2014**, 98, 11-22	7.9	16
72	Multiple synergistic effects of emotion and memory on proactive processes leading to scene recognition. *NeuroImage*, **2013**, 81, 81-95	7.9	7
71	Modulation of motor cortex activity when observing rewarding and punishing actions. *Neuropsychologia*, **2013**, 51, 52-8	3.2	50
70	Brain mechanisms for emotional influences on perception and attention: what is magic and what is not. *Biological Psychology*, **2013**, 92, 492-512	3.2	457
69	Positive emotion broadens attention focus through decreased position-specific spatial encoding in early visual cortex: evidence from ERPs. *Cognitive, Affective and Behavioral Neuroscience*, **2013**, 13, 60-79	3.5	42
68	Electrical brain imaging reveals the expression and timing of altered error monitoring functions in major depression. *Journal of Abnormal Psychology*, **2013**, 122, 939-50	7	26
67	Negative affective state mimics effects of perceptual load on spatial perception. *Emotion*, **2013**, 13, 485-96	4.1	14
66	Erroneous and correct actions have a different affective valence: evidence from ERPs. *Emotion*, **2013**, 13, 960-73	4.1	49
65	No prior entry for threat-related faces: evidence from temporal order judgments. *PLoS ONE*, **2013**, 8, e62296	3.7	5
64	Learned cardiac control with heart rate biofeedback transfers to emotional reactions. *PLoS ONE*, **2013**, 8, e70004	3.7	16
63	What is Bottom-Up and What is Top-Down in Predictive Coding?. *Frontiers in Psychology*, **2013**, 4, 276	3.4	64
62	Integration of Face and Voice During Emotion Perception: Is There Anything Gained for the Perceptual System Beyond Stimulus Modality Redundancy? **2013**, 181-206		2
61	Anxiety disrupts the evaluative component of performance monitoring: An ERP study. *Neuropsychologia*, **2012**, 50, 1286-96	3.2	40
60	Effects of attentional load on early visual processing depend on stimulus timing. *Human Brain Mapping*, **2012**, 33, 63-74	5.9	30
59	Transient state-dependent fluctuations in anxiety measured using STAI, POMS, PANAS or VAS: a comparative review. *Anxiety, Stress and Coping*, **2012**, 25, 603-45	3.1	104
58	Voluntary attention reliably influences visual processing at the level of the C1 component: a commentary on Fu, Fedota, Greenwood, and Parasuram (2010). *Biological Psychology*, **2012**, 91, 325-7; author reply 321-4	3.2	8
57	State-dependent attention modulation of human primary visual cortex: a high density ERP study. *NeuroImage*, **2012**, 60, 2365-78	7.9	39
56	Delayed monitoring of accuracy errors compared to commission errors in ACC. *NeuroImage*, **2012**, 60, 1925-36	7.9	19

55	Valence-specific modulation in the accumulation of perceptual evidence prior to visual scene recognition. *PLoS ONE*, **2012**, 7, e38064	3.7	7
54	Placebo analgesia affects brain correlates of error processing. *PLoS ONE*, **2012**, 7, e49784	3.7	17
53	Cognitive and affective control. *Frontiers in Psychology*, **2012**, 3, 477	3.4	2
52	Effects of social context and predictive relevance on action outcome monitoring. *Cognitive, Affective and Behavioral Neuroscience*, **2012**, 12, 460-78	3.5	43
51	Evidence for the automatic evaluation of self-generated actions. *Cognition*, **2012**, 124, 117-27	3.5	43
50	White-matter connectivity between face-responsive regions in the human brain. *Cerebral Cortex*, **2012**, 22, 1564-76	5.1	200
49	Brain dynamics of upstream perceptual processes leading to visual object recognition: a high density ERP topographic mapping study. *NeuroImage*, **2011**, 55, 1227-41	7.9	26
48	Parametric modulation of error-related ERP components by the magnitude of visuo-motor mismatch. *Neuropsychologia*, **2011**, 49, 360-7	3.2	33
47	Early error detection is generic, but subsequent adaption to errors is not: evidence from ERPs. *Neuropsychologia*, **2011**, 49, 1236-1245	3.2	19
46	Additive effects of emotional, endogenous, and exogenous attention: behavioral and electrophysiological evidence. *Neuropsychologia*, **2011**, 49, 1779-87	3.2	81
45	Early error detection predicted by reduced pre-response control process: an ERP topographic mapping study. *Brain Topography*, **2011**, 23, 403-22	4.3	22
44	Top-down effects on early visual processing in humans: a predictive coding framework. *Neuroscience and Biobehavioral Reviews*, **2011**, 35, 1237-53	9	192
43	Cascade of neural events leading from error commission to subsequent awareness revealed using EEG source imaging. *PLoS ONE*, **2011**, 6, e19578	3.7	46
42	Decoding sequence learning from single-trial intracranial EEG in humans. *PLoS ONE*, **2011**, 6, e28630	3.7	14
41	Modulation of face processing by emotional expression and gaze direction during intracranial recordings in right fusiform cortex. *Journal of Cognitive Neuroscience*, **2010**, 22, 2086-107	3.1	45
40	When your errors make me lose or win: event-related potentials to observed errors of cooperators and competitors. *Social Neuroscience*, **2010**, 5, 360-74	2	73
39	The perception and categorisation of emotional stimuli: A review. *Cognition and Emotion*, **2010**, 24, 377-400	2.9	167
38	Temporal precedence of emotion over attention modulations in the lateral amygdala: Intracranial ERP evidence from a patient with temporal lobe epilepsy. *Cognitive, Affective and Behavioral Neuroscience*, **2010**, 10, 83-93	3.5	99

37	Anxiety not only increases, but also alters early error-monitoring functions. *Cognitive, Affective and Behavioral Neuroscience*, **2010**, 10, 479-92	3.5	78
36	Errors recruit both cognitive and emotional monitoring systems: simultaneous intracranial recordings in the dorsal anterior cingulate gyrus and amygdala combined with fMRI. *Neuropsychologia*, **2010**, 48, 1144-59	3.2	99
35	Object representations for multiple visual categories overlap in lateral occipital and medial fusiform cortex. *Cerebral Cortex*, **2009**, 19, 1806-19	5.1	45
34	Attentional load modifies early activity in human primary visual cortex. *Human Brain Mapping*, **2009**, 30, 1723-33	5.9	99
33	Effects of perceptual learning on primary visual cortex activity in humans. *Vision Research*, **2008**, 48, 55-62	2.1	111
32	Simultaneous recording of EEG and facial muscle reactions during spontaneous emotional mimicry. *Neuropsychologia*, **2008**, 46, 1104-13	3.2	117
31	Unavoidable errors: a spatio-temporal analysis of time-course and neural sources of evoked potentials associated with error processing in a speeded task. *Neuropsychologia*, **2008**, 46, 2545-55	3.2	138
30	Beyond fear: rapid spatial orienting toward positive emotional stimuli. *Psychological Science*, **2008**, 19, 362-70	7.9	256
29	Beyond conventional event-related brain potential (ERP): exploring the time-course of visual emotion processing using topographic and principal component analyses. *Brain Topography*, **2008**, 20, 265-77	4.3	100
28	Distributed and interactive brain mechanisms during emotion face perception: evidence from functional neuroimaging. *Neuropsychologia*, **2007**, 45, 174-94	3.2	816
27	Direct intracranial recording of body-selective responses in human extrastriate visual cortex. *Neuropsychologia*, **2007**, 45, 2621-5	3.2	61
26	Time course of brain activity during change blindness and change awareness: performance is predicted by neural events before change onset. *Journal of Cognitive Neuroscience*, **2006**, 18, 2108-29	3.1	51
25	Dynamics of emotional effects on spatial attention in the human visual cortex. *Progress in Brain Research*, **2006**, 156, 67-91	2.9	77
24	Investigating audiovisual integration of emotional signals in the human brain. *Progress in Brain Research*, **2006**, 156, 345-61	2.9	79
23	Neural systems for orienting attention to the location of threat signals: an event-related fMRI study. *NeuroImage*, **2006**, 31, 920-33	7.9	128
22	Perception of facial expressions and voices and of their combination in the human brain. *Cortex*, **2005**, 41, 49-59	3.8	144
21	View-independent coding of face identity in frontal and temporal cortices is modulated by familiarity: an event-related fMRI study. *NeuroImage*, **2005**, 24, 1214-24	7.9	125
20	Two electrophysiological stages of spatial orienting towards fearful faces: early temporo-parietal activation preceding gain control in extrastriate visual cortex. *NeuroImage*, **2005**, 26, 149-63	7.9	143

19	Emotion and attention interactions in social cognition: brain regions involved in processing anger prosody. *NeuroImage*, **2005**, 28, 848-58	7.9	286
18	The voices of wrath: brain responses to angry prosody in meaningless speech. *Nature Neuroscience*, **2005**, 8, 145-6	25.5	340
17	Enhanced extrastriate visual response to bandpass spatial frequency filtered fearful faces: time course and topographic evoked-potentials mapping. *Human Brain Mapping*, **2005**, 26, 65-79	5.9	250
16	Portraits or people? Distinct representations of face identity in the human visual cortex. *Journal of Cognitive Neuroscience*, **2005**, 17, 1043-57	3.1	102
15	Electrophysiological correlates of rapid spatial orienting towards fearful faces. *Cerebral Cortex*, **2004**, 14, 619-33	5.1	475
14	Revisiting Snodgrass and Vanderwart's object pictorial set: the role of surface detail in basic-level object recognition. *Perception*, **2004**, 33, 217-36	1.2	657
13	Dissociable roles of the human somatosensory and superior temporal cortices for processing social face signals. *European Journal of Neuroscience*, **2004**, 20, 3507-15	3.5	143
12	Facial expressions modulate the time course of long latency auditory brain potentials. *Cognitive Brain Research*, **2002**, 14, 99-105		53
11	Fear recognition in the voice is modulated by unconsciously recognized facial expressions but not by unconsciously recognized affective pictures. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4121-6	11.5	85
10	Semantic factors influence multisensory pairing: a transcranial magnetic stimulation study. *NeuroReport*, **2002**, 13, 1567-73	1.7	13
9	Unseen stimuli modulate conscious visual experience: evidence from inter-hemispheric summation. *NeuroReport*, **2001**, 12, 385-91	1.7	47
8	Event-related TMS over the right posterior parietal cortex induces ipsilateral visuo-spatial interference. *NeuroReport*, **2001**, 12, 2369-74	1.7	28
7	The time-course of intermodal binding between seeing and hearing affective information. *NeuroReport*, **2000**, 11, 1329-33	1.7	142
6	Covert processing of faces in prosopagnosia is restricted to facial expressions: evidence from cross-modal bias. *Brain and Cognition*, **2000**, 44, 425-44	2.7	31
5	Affective blindsight: are we blindly led by emotions?Response to Heywood and Kentridge (2000). *Trends in Cognitive Sciences*, **2000**, 4, 126-127	14	19
4	Functional imaging of visual semantic processing in the human brain. *Cortex*, **2000**, 36, 579-91	3.8	9
3	Non-conscious recognition of affect in the absence of striate cortex. *NeuroReport*, **1999**, 10, 3759-63	1.7	364
2	Chapter 17 Seeing cries and hearing smiles: Crossmodal perception of emotional expressions. *Advances in Psychology*, **1999**, 129, 425-438		5