

# The anatomical and functional relationship between the the orienting response

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pupil diameter tracks changes in control state predicted by the adaptive gain theory of locus coeruleus function. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2010, 10, 252-269.	2.0	614
2	From genotype to EEG endophenotype: a route for post-genomic understanding of complex psychiatric disease?. <i>Genome Medicine</i> , 2010, 2, 63.	8.2	54
3	Pupil Diameter Predicts Changes in the Explorationâ€“Exploitation Trade-off: Evidence for the Adaptive Gain Theory. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1587-1596.	2.3	376
4	N400 Amplitude Reduction Correlates with an Increase in Pupil Size. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 61.	2.0	33
5	Pupil dilation signals surprise: evidence for noradrenalineâ€™s role in decision making. <i>Frontiers in Neuroscience</i> , 2011, 5, 115.	2.8	359
6	What can topology changes in the oddball N2 reveal about underlying processes?. <i>NeuroReport</i> , 2011, 22, 870-874.	1.2	27
7	Pupillometry and P3 index the locus coeruleusâ€™noradrenergic arousal function in humans. <i>Psychophysiology</i> , 2011, 48, 1532-1543.	2.4	373
8	Pupillary responses and eventâ€related potentials as indices of the orienting reflex. <i>Psychophysiology</i> , 2011, 48, 1648-1655.	2.4	62
9	Dissociation between medial frontal negativity and cardiac responses in the ultimatum game: Effects of offer size and fairness. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2011, 11, 516-525.	2.0	38
10	Distraction and facilitationâ€™two faces of the same coin?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2012, 38, 664-674.	0.9	53
11	Structural Integrity of the Prefrontal Cortex Modulates Electro cortical Sensitivity to Reward. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1560-1570.	2.3	24
12	Microstimulation of the Monkey Superior Colliculus Induces Pupil Dilation Without Evoking Saccades. <i>Journal of Neuroscience</i> , 2012, 32, 3629-3636.	3.6	145
13	Neuroscientific measures of covert behavior. <i>The Behavior Analyst</i> , 2012, 35, 75-87.	2.5	14
14	Monoamines and assessment of risks. <i>Current Opinion in Neurobiology</i> , 2012, 22, 1062-1067.	4.2	13
15	Altered circadian profiles in attention-deficit/hyperactivity disorder: An integrative review and theoretical framework for future studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1897-1919.	6.1	65
16	Pupil dilation deconvolution reveals the dynamics of attention at high temporal resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8456-8460.	7.1	256
17	A Comparison of Invasive and Noninvasive Sensors in the Concealed Information Test. , 2012, , .		1
18	Establishing a foundation for automated human credibility screening. , 2012, , .		12

#	ARTICLE	IF	CITATIONS
19	Examining electrodermal hyporeactivity as a marker of externalizing psychopathology: A twin study. <i>Psychophysiology</i> , 2012, 49, 1039-1048.	2.4	9
20	Orienting and Reorienting: The Locus Coeruleus Mediates Cognition through Arousal. <i>Neuron</i> , 2012, 76, 130-141.	8.1	785
21	Differential Sensitivity of Letters, Numbers, and Symbols to Character Transpositions. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1610-1624.	2.3	45
22	Rational regulation of learning dynamics by pupil-linked arousal systems. <i>Nature Neuroscience</i> , 2012, 15, 1040-1046.	14.8	570
23	Mapping Symbols to Sounds: Electrophysiological Correlates of the Impaired Reading Process in Dyslexia. <i>Frontiers in Psychology</i> , 2012, 3, 60.	2.1	27
24	Acute tryptophan depletion attenuates brain-heart coupling following external feedback. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 77.	2.0	11
25	The Impact of Deliberative Strategy Dissociates ERP Components Related to Conflict Processing vs. Reinforcement Learning. <i>Frontiers in Neuroscience</i> , 2012, 6, 43.	2.8	56
26	Neural mechanisms mediating association of sympathetic activity and exploration in decision-making. <i>Neuroscience</i> , 2013, 246, 362-374.	2.3	21
27	Inhibition and impulsivity: Behavioral and neural basis of response control. <i>Progress in Neurobiology</i> , 2013, 108, 44-79.	5.7	1,505
28	Genetic marker of norepinephrine synthesis predicts individual differences in post-error slowing: A pilot study. <i>Neuropsychologia</i> , 2013, 51, 2600-2604.	1.6	13
29	The role of beat gesture and pitch accent in semantic processing: An ERP study. <i>Neuropsychologia</i> , 2013, 51, 2847-2855.	1.6	42
30	Coupling of infraslow fluctuations in autonomic and central vigilance markers: Skin temperature, EEG beta power and ERP P300 latency. <i>International Journal of Psychophysiology</i> , 2013, 89, 158-164.	1.0	17
31	Brain-heart coupling at the P300 latency is linked to anterior cingulate cortex and insula—A cardio-electroencephalographic covariance tracing study. <i>Biological Psychology</i> , 2013, 94, 185-191.	2.2	17
32	Involuntary attentional capture by speech and non-speech deviations: A combined behavioral—event-related potential study. <i>Brain Research</i> , 2013, 1490, 153-160.	2.2	12
33	What do I do now? An electroencephalographic investigation of the explore/exploit dilemma. <i>Neuroscience</i> , 2013, 228, 361-370.	2.3	20
34	Noradrenergic modulation of cognition: Therapeutic implications. <i>Journal of Psychopharmacology</i> , 2013, 27, 694-718.	4.0	170
35	Pupil size signals novelty and predicts later retrieval success for declarative memories of natural scenes. <i>Journal of Vision</i> , 2013, 13, 11-11.	0.3	84
36	<scp>P</scp>300 amplitude reduction is associated with early—onset and late—onset pathological substance use in a prospectively studied cohort of 14—year—old adolescents. <i>Psychophysiology</i> , 2013, 50, 974-982.	2.4	11

#	ARTICLE	IF	CITATIONS
37	The Human Brain Maintains Contradictory and Redundant Auditory Sensory Predictions. PLoS ONE, 2013, 8, e53634.	2.5	29
38	The influence of the noradrenergic system on optimal control of neural plasticity. Frontiers in Behavioral Neuroscience, 2013, 7, 160.	2.0	37
39	Electrophysiological indicators of surprise and entropy in dynamic task-switching environments. Frontiers in Human Neuroscience, 2013, 7, 300.	2.0	46
40	Your Eyes Give You Away: Prestimulus Changes in Pupil Diameter Correlate with Poststimulus Task-Related EEG Dynamics. PLoS ONE, 2014, 9, e91321.	2.5	90
41	Neural and sympathetic activity associated with exploration in decision-making: further evidence for involvement of insula. Frontiers in Behavioral Neuroscience, 2014, 8, 381.	2.0	7
42	Effects of arousal on cognitive control: empirical tests of the conflict-modulated Hebbian-learning hypothesis. Frontiers in Human Neuroscience, 2014, 8, 23.	2.0	21
43	Decision-related pupil dilation reflects upcoming choice and individual bias. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E618-25.	7.1	297
44	Effects of Locomotion Extend throughout the Mouse Early Visual System. Current Biology, 2014, 24, 2899-2907.	3.9	198
45	When the Brain Takes a Break: A Model-Based Analysis of Mind Wandering. Journal of Neuroscience, 2014, 34, 16286-16295.	3.6	159
46	Parametric trial-by-trial prediction of pain by easily available physiological measures. Pain, 2014, 155, 994-1001.	4.2	53
47	Panic Disorder and Serotonin Reuptake Inhibitors Predict Coupling of Cortical and Cardiac Activity. Neuropsychopharmacology, 2014, 39, 507-514.	5.4	7
48	Post-Error Slowing as a Consequence of Disturbed Low-Frequency Oscillatory Phase Entrainment. Journal of Neuroscience, 2014, 34, 11096-11105.	3.6	33
49	Overt Responses during Covert Orienting. Neuron, 2014, 82, 1230-1243.	8.1	159
50	Mindset induction effects on cognitive control: A neurobehavioral investigation. Biological Psychology, 2014, 103, 27-37.	2.2	75
51	Pupil diameter covaries with BOLD activity in human locus coeruleus. Human Brain Mapping, 2014, 35, 4140-4154.	3.6	625
52	The P3 Event-Related Potential is a Biomarker for the Efficacy of Vagus Nerve Stimulation in Patients with Epilepsy. Neurotherapeutics, 2014, 11, 612-622.	4.4	68
53	Memory detection with the concealed information test: A meta analysis of skin conductance, respiration, heart rate, and P300 data. Psychophysiology, 2014, 51, 879-904.	2.4	169
54	Commentary: Noradrenaline and Dopamine Neurons in the Reward/Effort Trade-off: A Direct Electrophysiological Comparison in Behaving Monkeys. Frontiers in Behavioral Neuroscience, 2015, 9, 310.	2.0	5

#	ARTICLE	IF	CITATIONS
55	Bursts of transcranial electrical stimulation increase arousal in a continuous performance test. <i>Neuropsychologia</i> , 2015, 74, 127-136.	1.6	15
56	The pupil as an indicator of unconscious memory: Introducing the pupil priming effect. <i>Psychophysiology</i> , 2015, 52, 754-769.	2.4	17
57	A computational analysis of the neural bases of Bayesian inference. <i>NeuroImage</i> , 2015, 106, 222-237.	4.2	90
58	Open your eyes for prediction errors. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2015, 15, 374-380.	2.0	86
59	Orienting Hypnosis. <i>American Journal of Clinical Hypnosis</i> , 2015, 57, 212-229.	0.6	20
60	Dual routes to cortical orienting responses: Novelty detection and uncertainty reduction. <i>Biological Psychology</i> , 2015, 105, 66-71.	2.2	32
61	Transcutaneous Vagus Nerve Stimulation Enhances Post-error Slowing. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2126-2132.	2.3	72
62	Sensitivity of frontal beta oscillations to reward valence but not probability. <i>Neuroscience Letters</i> , 2015, 602, 99-103.	2.1	26
63	Inefficient stimulus processing at encoding affects formation of high-order general representation: A study on cross-modal word-stem completion task. <i>Brain Research</i> , 2015, 1622, 386-396.	2.2	10
64	Short- and long-lasting consequences of novelty, deviance and surprise on brain and cognition. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 268-279.	6.1	137
65	The classic P300 encodes a build-up to a threshold decision variable. <i>European Journal of Neuroscience</i> , 2015, 42, 1636-1643.	2.6	301
66	<scp>ERP</scp> and pupil responses to deviance in an oddball paradigm. <i>Psychophysiology</i> , 2015, 52, 460-471.	2.4	66
67	A multifaceted investigation of the link between mental fatigue and task disengagement. <i>Psychophysiology</i> , 2015, 52, 305-315.	2.4	264
68	A circuit for pupil orienting responses: implications for cognitive modulation of pupil size. <i>Current Opinion in Neurobiology</i> , 2015, 33, 134-140.	4.2	251
69	A Brain-Computer Interface-Based Vehicle Destination Selection System Using P300 and SSVEP Signals. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015, 16, 274-283.	8.0	64
70	Neural Differences between Covert and Overt Attention Studied using EEG with Simultaneous Remote Eye Tracking. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 592.	2.0	51
71	Neural Underpinnings of Decision Strategy Selection: A Review and a Theoretical Model. <i>Frontiers in Neuroscience</i> , 2016, 10, 500.	2.8	6
72	Catecholaminergic Regulation of Learning Rate in a Dynamic Environment. <i>PLoS Computational Biology</i> , 2016, 12, e1005171.	3.2	74

#	ARTICLE	IF	CITATIONS
73	What do we GANE with age?. Behavioral and Brain Sciences, 2016, 39, e218.	0.7	2
74	Transient Pupil Dilation after Subsaccadic Microstimulation of Primate Frontal Eye Fields. Journal of Neuroscience, 2016, 36, 3765-3776.	3.6	48
75	Catecholamine-Mediated Increases in Gain Enhance the Precision of Cortical Representations. Journal of Neuroscience, 2016, 36, 5699-5708.	3.6	90
76	Pupillary correlates of lapses of sustained attention. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 601-615.	2.0	176
77	New insights into old waves. Matching stimulus- and response-locked ERPs on the same time-window. Biological Psychology, 2016, 117, 202-215.	2.2	81
78	A connectionist modeling study of the neural mechanisms underlying pain's ability to reorient attention. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 689-708.	2.0	2
79	Consonantal overlap effects in a perceptual matching task. Experimental Brain Research, 2016, 234, 3157-3172.	1.5	2
80	Motive for Young Children's Developing Concern for Others' Well-Being as a Core Motive for Developing Prosocial Behavior. , 2016, , 101-117.		0
81	Infant and adult pupil dilation in response to unexpected sounds. Developmental Psychobiology, 2016, 58, 382-392.	1.6	98
82	A Neural Model of Mind Wandering. Trends in Cognitive Sciences, 2016, 20, 570-578.	7.8	131
83	Pupil dilation during recognition memory: Isolating unexpected recognition from judgment uncertainty. Cognition, 2016, 154, 81-94.	2.2	24
84	Probabilistic Inferences Under Emotional Stress: How Arousal Affects Decision Processes. Journal of Behavioral Decision Making, 2016, 29, 525-538.	1.7	30
85	Novelty and emotion: Pupillary and cortical responses during viewing of natural scenes. Biological Psychology, 2016, 113, 75-82.	2.2	31
86	Relationships between Pupil Diameter and Neuronal Activity in the Locus Coeruleus, Colliculi, and Cingulate Cortex. Neuron, 2016, 89, 221-234.	8.1	1,021
87	Deception detection with behavioral, autonomic, and neural measures: Conceptual and methodological considerations that warrant modesty. Psychophysiology, 2016, 53, 593-604.	2.4	78
88	The norepinephrine system shows information-content specific properties during cognitive control "Evidence from EEG and pupillary responses. NeuroImage, 2017, 149, 44-52.	4.2	104
89	What our eyes tell us about feelings: Tracking pupillary responses during emotion regulation processes. Psychophysiology, 2017, 54, 508-518.	2.4	86
90	Using pupil size and heart rate to infer affective states during behavioral neurophysiology and neuropsychology experiments. Journal of Neuroscience Methods, 2017, 279, 1-12.	2.5	34

#	ARTICLE	IF	CITATIONS
91	Mood congruent tuning of reward expectation in positive mood: evidence from FRN and theta modulations. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 765-774.	3.0	38
92	The effect of phasic auditory alerting on visual perception. <i>Cognition</i> , 2017, 165, 73-81.	2.2	57
93	Arousal-related adjustments of perceptual biases optimize perception in dynamic environments. <i>Nature Human Behaviour</i> , 2017, 1, .	12.0	67
94	Prosocial Arousal in Children. <i>Child Development Perspectives</i> , 2017, 11, 50-55.	3.9	53
95	Decision-related factors in pupil old/new effects: Attention, response execution, and false memory. <i>Neuropsychologia</i> , 2017, 102, 124-134.	1.6	11
96	The time course of pupil dilation evoked by visual sexual stimuli: Exploring the underlying ANS mechanisms. <i>Psychophysiology</i> , 2017, 54, 1444-1458.	2.4	29
97	Interrelation of attention and prediction in visual processing: Effects of task-relevance and stimulus probability. <i>Biological Psychology</i> , 2017, 125, 76-90.	2.2	32
98	Deception detection based on neuroimaging: Better than the polygraph?. <i>Journal of Forensic Radiology and Imaging</i> , 2017, 8, 17-21.	1.2	20
99	Children's Intrinsic Motivation to Provide Help Themselves After Accidentally Harming Others. <i>Child Development</i> , 2017, 88, 1251-1264.	3.0	30
100	Neural correlates of pupil dilation during human fear learning. <i>NeuroImage</i> , 2017, 147, 186-197.	4.2	51
101	Perceptual references for independent dimensions of speech quality as measured by electroencephalography. <i>Quality and User Experience</i> , 2017, 2, 1.	3.9	23
103	Task-evoked pupil dilation and BOLD variance as indicators of locus coeruleus dysfunction. <i>Cortex</i> , 2017, 97, 60-69.	2.4	45
104	Coupling and dynamics of cortical and autonomic signals are linked to central inhibition during the wake-sleep transition. <i>Scientific Reports</i> , 2017, 7, 11804.	3.3	23
105	Demands on response inhibition processes determine modulations of theta band activity in superior frontal areas and correlations with pupillometry – Implications for the norepinephrine system during inhibitory control. <i>NeuroImage</i> , 2017, 157, 575-585.	4.2	85
106	No arousal-biased competition in focused visuospatial attention. <i>Cognition</i> , 2017, 168, 191-204.	2.2	5
107	Pupillometry reveals changes in physiological arousal during a sustained listening task. <i>Psychophysiology</i> , 2017, 54, 193-203.	2.4	67
108	Effect of Message Format and Content on Attitude Accessibility Regarding Sexually Transmitted Infections. <i>Health Communication</i> , 2017, 32, 1376-1384.	3.1	7
109	The norepinephrine system affects specific neurophysiological subprocesses in the modulation of inhibitory control by working memory demands. <i>Human Brain Mapping</i> , 2017, 38, 68-81.	3.6	61

#	ARTICLE	IF	CITATIONS
110	Coupling between spontaneous pupillary fluctuations and brain activity relates to inattentiveness. <i>European Journal of Neuroscience</i> , 2017, 45, 260-266.	2.6	27
111	The Effect of Highly Scaffolded Versus General Instruction on Studentsâ€™ Exploratory Behavior and Arousal. <i>Technology, Knowledge and Learning</i> , 2017, 22, 105-128.	4.9	20
112	EEG and Eye Tracking Signatures of Target Encoding during Structured Visual Search. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 264.	2.0	27
113	Isolating Discriminant Neural Activity in the Presence of Eye Movements and Concurrent Task Demands. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 357.	2.0	8
114	The effect of atomoxetine on random and directed exploration in humans. <i>PLoS ONE</i> , 2017, 12, e0176034.	2.5	52
115	Face-body integration of intense emotional expressions of victory and defeat. <i>PLoS ONE</i> , 2017, 12, e0171656.	2.5	10
116	Pupil dilation as an index of effort in cognitive control tasks: A review. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 2005-2015.	2.8	451
117	Emotion lies in the eye of the listener: Emotional arousal to novel sounds is reflected in the sympathetic contribution to the pupil dilation response and the P3. <i>Biological Psychology</i> , 2018, 133, 10-17.	2.2	57
118	Recognition memory and featural similarity between concepts: The pupilâ€™s point of view. <i>Biological Psychology</i> , 2018, 135, 159-169.	2.2	16
119	Tracking arousal state and mind wandering with pupillometry. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 638-664.	2.0	80
120	Reliability and robustness of feedback-evoked brain-heart coupling after placebo, dopamine, and noradrenaline challenge. <i>International Journal of Psychophysiology</i> , 2018, 132, 298-310.	1.0	7
121	Error-related cardiac response as information for visibility judgements. <i>Scientific Reports</i> , 2018, 8, 1131.	3.3	20
122	Diminished EEG habituation to novel events effectively classifies Parkinsonâ€™s patients. <i>Clinical Neurophysiology</i> , 2018, 129, 409-418.	1.5	73
123	How orchids concentrate? The relationship between physiological stress reactivity and cognitive performance during infancy and early childhood. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 34-49.	6.1	17
124	Antisocial behaviour and psychopathy: Uncovering the externalizing link in the P3 modulation. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 91, 170-186.	6.1	34
125	Modulation of locus coeruleus activity by novel oddball stimuli. <i>Brain Imaging and Behavior</i> , 2018, 12, 577-584.	2.1	41
126	Do sport-related concussions result in long-term cognitive impairment? A review of event-related potential research. <i>International Journal of Psychophysiology</i> , 2018, 132, 124-134.	1.0	17
127	Midfrontal theta and pupil dilation parametrically track subjective conflict (but also surprise) during intertemporal choice. <i>NeuroImage</i> , 2018, 172, 838-852.	4.2	48



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128	Eyes have ears: Indexing the orienting response to sound using pupillometry. International Journal of Psychophysiology, 2018, 123, 152-162.	1.0	35
129	An adaptive orienting theory of error processing. Psychophysiology, 2018, 55, e13041.	2.4	127
130	Detection of deception: Event-related potential markers of attention and cognitive control during intentional false responses. Psychophysiology, 2018, 55, e13047.	2.4	9
131	Tracking working memory maintenance with pupillometry. Attention, Perception, and Psychophysics, 2018, 80, 461-484.	1.3	33
132	Functional Organization of the Sympathetic Pathways Controlling the Pupil: Light-Inhibited and Light-Stimulated Pathways. Frontiers in Neurology, 2018, 9, 1069.	2.4	74
133	Gender effects on auditory P300: A systematic review. International Journal of Psychophysiology, 2018, 133, 55-65.	1.0	32
134	Acute Exercise Facilitates the N450 Inhibition Marker and P3 Attention Marker during Stroop Test in Young and Older Adults. Journal of Clinical Medicine, 2018, 7, 391.	2.4	45
135	Catecholaminergic manipulation alters dynamic network topology across cognitive states. Network Neuroscience, 2018, 2, 381-396.	2.6	61
136	Is Attention Really Effort? Revisiting Daniel Kahneman's Influential 1973 Book Attention and Effort. Frontiers in Psychology, 2018, 9, 1133.	2.1	37
137	Desire understanding in 2-year-old children: An eye-tracking study. , 2018, 52, 22-31.		10
138	Can pupillometry index auditory attentional capture in contexts of active visual processing?. Journal of Cognitive Psychology, 2018, 30, 484-502.	0.9	16
139	The acute effects of high-intensity interval training and moderate-intensity continuous exercise on declarative memory and inhibitory control. Psychology of Sport and Exercise, 2018, 38, 90-99.	2.1	50
140	Arousal dependent modulation of thalamo-cortical functional interaction. Nature Communications, 2018, 9, 2455.	12.8	51
141	Children with social anxiety disorder show blunted pupillary reactivity and altered eye contact processing in response to emotional faces: Insights from pupillometry and eye movements. Journal of Anxiety Disorders, 2018, 58, 61-69.	3.2	35
142	Neuromodulatory Correlates of Pupil Dilation. Frontiers in Neural Circuits, 2018, 12, 21.	2.8	185
143	Effects of Transcutaneous Vagus Nerve Stimulation (tVNS) on the P300 and Alpha-Amylase Level: A Pilot Study. Frontiers in Human Neuroscience, 2018, 12, 202.	2.0	89
144	Heart work after errors: Behavioral adjustment following error commission involves cardiac effort. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 375-388.	2.0	15
145	Oscillatory rhythm of reward: anticipation and processing of rewards in children with and without autism. Molecular Autism, 2018, 9, 4.	4.9	22

#	ARTICLE	IF	CITATIONS
146	Modulating auditory selective attention by non-invasive brain stimulation: Differential effects of transcutaneous vagal nerve stimulation and transcranial random noise stimulation. <i>European Journal of Neuroscience</i> , 2018, 48, 2301-2309.	2.6	37
147	Effects of Face Images and Face Pareidolia on Consumers' Responses to Print Advertising. <i>Journal of Advertising Research</i> , 2019, 59, 219-231.	2.1	25
148	The Emotion Process: Event Appraisal and Component Differentiation. <i>Annual Review of Psychology</i> , 2019, 70, 719-745.	17.7	241
149	Action Intention-based and Stimulus Regularity-based Predictions: Same or Different?. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1917-1932.	2.3	18
150	With an eye on uncertainty: Modelling pupillary responses to environmental volatility. <i>PLoS Computational Biology</i> , 2019, 15, e1007126.	3.2	27
151	Being right matters: Model-compliant events in predictive processing. <i>PLoS ONE</i> , 2019, 14, e0218311.	2.5	3
152	Latent Components of Event-Related Potentials in a Visual Cued Go/NoGo Task. <i>Human Physiology</i> , 2019, 45, 474-482.	0.4	4
153	Social Media Approval Reduces Emotional Arousal for People High in Narcissism: Electrophysiological Evidence. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 292.	2.0	12
154	Pupil-linked phasic arousal evoked by violation but not emergence of regularity within rapid sound sequences. <i>Nature Communications</i> , 2019, 10, 4030.	12.8	60
155	Speed-Accuracy Tradeoffs in Brain and Behavior: Testing the Independence of P300 and N400 Related Processes in Behavioral Responses to Sentence Categorization. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 285.	2.0	31
156	Toddlers' intrinsic motivation to return help to their benefactor. <i>Journal of Experimental Child Psychology</i> , 2019, 188, 104658.	1.4	9
157	Anodal tDCS affects neuromodulatory effects of the norepinephrine system on superior frontal theta activity during response inhibition. <i>Brain Structure and Function</i> , 2019, 224, 1291-1300.	2.3	35
158	ERPs predict symptomatic distress and recovery in sub-acute mild traumatic brain injury. <i>Neuropsychologia</i> , 2019, 132, 107125.	1.6	7
159	Ready, set, explore! Event-related potentials reveal the time-course of exploratory decisions. <i>Brain Research</i> , 2019, 1719, 183-193.	2.2	7
160	How the depth of processing modulates emotional interference – evidence from EEG and pupil diameter data. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 1231-1246.	2.0	9
161	Atypical event-related potentials revealed during the passive parts of a Go-NoGo task in autism spectrum disorder: a case-control study. <i>Molecular Autism</i> , 2019, 10, 10.	4.9	6
162	Relation between centro-parietal positivity and diffusion model parameters in both perceptual and memory-based decision making. <i>Brain Research</i> , 2019, 1715, 1-12.	2.2	32
163	Self-prioritization and the attentional systems. <i>Current Opinion in Psychology</i> , 2019, 29, 148-152.	4.9	61

#	ARTICLE	IF	CITATIONS
164	Central sensitization increases the pupil dilation elicited by mechanical pinprick stimulation. <i>Journal of Neurophysiology</i> , 2019, 121, 1621-1632.	1.8	14
165	Target detection increases pupil diameter and enhances memory for background scenes during multi-tasking. <i>Scientific Reports</i> , 2019, 9, 5255.	3.3	12
166	Presentation Probability of Visual–Auditory Pairs Modulates Visually Induced Auditory Predictions. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1110-1125.	2.3	7
167	Young Soccer Players With Higher Tactical Knowledge Display Lower Cognitive Effort. <i>Perceptual and Motor Skills</i> , 2019, 126, 499-514.	1.3	40
168	The neuromodulatory and hormonal effects of transcutaneous vagus nerve stimulation as evidenced by salivary alpha amylase, salivary cortisol, pupil diameter, and the P3 event-related potential. <i>Brain Stimulation</i> , 2019, 12, 635-642.	1.6	99
169	Early-childhood social reticence predicts SCR-BOLD coupling during fear extinction recall in preadolescent youth. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100605.	4.0	22
170	Fostering advances to neuropsychological assessment based on the Research Domain Criteria: The bridge between cognitive functioning and physiology. <i>Clinical Neuropsychologist</i> , 2019, 33, 327-356.	2.3	7
171	Age-related differences in event-related potentials and pupillary responses in cued reaction time tasks. <i>Neurobiology of Aging</i> , 2019, 73, 177-189.	3.1	12
172	Is auditory distraction by changing-state and deviant sounds underpinned by the same mechanism? Evidence from pupillometry. <i>Biological Psychology</i> , 2019, 141, 64-74.	2.2	21
173	Fronto-central P3a to distracting sounds: An index of their arousing properties. <i>NeuroImage</i> , 2019, 185, 164-180.	4.2	51
174	P3b amplitude as a signature of cognitive decline in the older population: An EEG study enhanced by Functional Source Separation. <i>NeuroImage</i> , 2019, 184, 535-546.	4.2	46
175	Measuring the conditioned response: A comparison of pupillometry, skin conductance, and startle electromyography. <i>Psychophysiology</i> , 2019, 56, e13283.	2.4	47
176	Sleep deprivation increases the costs of attentional effort: Performance, preference and pupil size. <i>Neuropsychologia</i> , 2019, 123, 169-177.	1.6	58
177	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , 2020, 57, e13425.	2.4	62
178	The Development of Prosocial Emotions. <i>Emotion Review</i> , 2020, 12, 259-273.	3.4	25
179	Pupillometric investigation into the speed–accuracy trade-off in a visuo-motor aiming task. <i>Psychophysiology</i> , 2020, 57, e13499.	2.4	13
180	A systematic review of physiological responses to odours with a focus on current methods used in event-related study designs. <i>International Journal of Psychophysiology</i> , 2020, 158, 143-157.	1.0	9
181	The internal time keeper: Causal evidence for the role of the cerebellum in anticipating regular acoustic events. <i>Cortex</i> , 2020, 133, 177-187.	2.4	3

#	ARTICLE	IF	CITATIONS
182	The Effect of Transcutaneous Auricular Vagal Nerve Stimulation (taVNS) on P3 Event-Related Potentials during a Bayesian Oddball Task. <i>Brain Sciences</i> , 2020, 10, 404.	2.3	9
183	Reduced Frontal Nogo-N2 With Uncompromised Response Inhibition During Transcutaneous Vagus Nerve Stimulation—More Efficient Cognitive Control?. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 561780.	2.0	20
184	Assessing the Role of Stimulus Novelty in the Elicitation of the Pupillary Dilation Response to Irrelevant Sound. <i>Auditory Perception &amp; Cognition</i> , 2020, 3, 1-17.	1.1	9
185	Task-evoked pupillary responses track effort exertion: Evidence from task-switching. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 592-606.	2.0	20
186	Event-related brain potentials reflect predictive coding of anticipated economic change. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 961-982.	2.0	4
187	Neural Evidence for Speech Processing Deficits During a Cocktail Party Scenario in Minimally and Low Verbal Adolescents and Young Adults with Autism. <i>Autism Research</i> , 2020, 13, 1828-1842.	3.8	10
188	Psychometric Properties of NASA-TLX and Index of Cognitive Activity as Measures of Cognitive Workload in Older Adults. <i>Brain Sciences</i> , 2020, 10, 994.	2.3	24
189	Non-spatial skills differ in the front and rear peri-personal space. <i>Neuropsychologia</i> , 2020, 147, 107619.	1.6	5
190	Dopaminergic modulation of novelty repetition in Parkinson's disease: A study of P3 event-related brain potentials. <i>Clinical Neurophysiology</i> , 2020, 131, 2841-2850.	1.5	6
191	Impaired Phasic Discharge of Locus Coeruleus Neurons Based on Persistent High Tonic Discharge—A New Hypothesis With Potential Implications for Neurodegenerative Diseases. <i>Frontiers in Neurology</i> , 2020, 11, 371.	2.4	27
192	Omission related brain responses reflect specific and unspecific action-effect couplings. <i>NeuroImage</i> , 2020, 215, 116840.	4.2	19
193	Novelty Manipulations, Memory Performance, and Predictive Coding: the Role of Unexpectedness. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 152.	2.0	26
194	Event-related potential changes due to early-onset Parkinson's disease in parkin (PARK2) gene mutation carriers and non-carriers. <i>Clinical Neurophysiology</i> , 2020, 131, 1444-1452.	1.5	7
195	Risk prediction error signaling: A two-component response?. <i>NeuroImage</i> , 2020, 214, 116766.	4.2	7
196	Cognitive modelling reveals distinct electrophysiological markers of decision confidence and error monitoring. <i>NeuroImage</i> , 2020, 218, 116963.	4.2	23
197	Age-related changes in the functional integrity of the phasic alerting system: a pupillometric investigation. <i>Neurobiology of Aging</i> , 2020, 91, 136-147.	3.1	6
198	The impact of novelty and emotion on attention-related neuronal and pupil responses in children. <i>Developmental Cognitive Neuroscience</i> , 2020, 42, 100766.	4.0	20
199	Dissociable mappings of tonic and phasic pupillary features onto cognitive processes involved in mental arithmetic. <i>PLoS ONE</i> , 2020, 15, e0230517.	2.5	11

#	ARTICLE	IF	CITATIONS
200	What <i>exactly</i> is missing here? The sensory processing of unpredictable omissions is modulated by the specificity of expected action effects. European Journal of Neuroscience, 2020, 52, 4667-4683.	2.6	9
201	Properties of lower level processing modulate the actions of the norepinephrine system during response inhibition. Biological Psychology, 2020, 152, 107862.	2.2	4
202	Emotion Measurements Through the Touch of Materials Surfaces. Frontiers in Human Neuroscience, 2019, 13, 455.	2.0	16
203	Significance?... Significance! Empirical, methodological, and theoretical connections between the late positive potential and P300 as neural responses to stimulus significance: An integrative review. Psychophysiology, 2020, 57, e13570.	2.4	181
204	Exploitation of local and global information in predictive processing. PLoS ONE, 2020, 15, e0231021.	2.5	1
205	A possible role of the norepinephrine system during sequential cognitive flexibility – Evidence from EEG and pupil diameter data. Cortex, 2020, 128, 22-34.	2.4	10
206	Pupil Size as a Window on Neural Substrates of Cognition. Trends in Cognitive Sciences, 2020, 24, 466-480.	7.8	304
207	Impaired Frontoparietal Connectivity in Traumatic Individuals with Disorders of Consciousness: A Dynamic Brain Network Analysis. , 2020, 11, 301.		16
208	Unexpected Sounds Nonselectively Inhibit Active Visual Stimulus Representations. Cerebral Cortex, 2021, 31, 1632-1646.	2.9	15
209	Comparing the motivational value of rewards and losses in an EEG-pupillometry study. European Journal of Neuroscience, 2021, 53, 1822-1838.	2.6	12
210	Pupil dilation during orienting of attention and conscious detection of visual targets in patients with left spatial neglect. Cortex, 2021, 134, 265-277.	2.4	9
211	Transcutaneous Vagus Nerve Stimulation in Humans Induces Pupil Dilation and Attenuates Alpha Oscillations. Journal of Neuroscience, 2021, 41, 320-330.	3.6	95
212	Task-Free Recovery and Spatial Characterization of a Globally Synchronized Network from Resting-State EEG. Communications in Computer and Information Science, 2021, , 22-38.	0.5	1
213	Pupillometry: Arousal State or State of Mind?. Current Biology, 2021, 31, R32-R34.	3.9	15
214	Pupil dilation signals recognition salience. Psychonomic Bulletin and Review, 2021, 28, 565-573.	2.8	3
215	Assessing Cognitive Capacity by P3 During a Complex Manual Control Task. Journal of Psychophysiology, 2021, 35, 43-50.	0.7	1
216	Indices of Heart Rate Variability and Performance During a Response-Conflict Task Are Differently Associated With ADHD and Autism. Journal of Attention Disorders, 2022, 26, 434-446.	2.6	7
217	Illusion of control affects ERP amplitude reductions for auditory outcomes of self-generated actions. Psychophysiology, 2021, 58, e13792.	2.4	4

#	ARTICLE	IF	CITATIONS
218	Modulation of attention and stress with arousal: The mental and physical effects of riding a motorcycle. <i>Brain Research</i> , 2021, 1752, 147203.	2.2	5
219	Higher Cognitive Reserve Is Associated with Better Working Memory Performance and Working-Memory-Related P300 Modulation. <i>Brain Sciences</i> , 2021, 11, 308.	2.3	7
220	A predictive account of how novelty influences declarative memory. <i>Neurobiology of Learning and Memory</i> , 2021, 179, 107382.	1.9	41
221	The encoding of stochastic regularities is facilitated by action-effect predictions. <i>Scientific Reports</i> , 2021, 11, 6790.	3.3	5
222	Brain-based concealed memory detection is driven mainly by orientation to salient items. <i>Cortex</i> , 2021, 136, 41-55.	2.4	8
223	Pupil Dilation and the Slow Wave ERP Reflect Surprise about Choice Outcome Resulting from Intrinsic Variability in Decision Confidence. <i>Cerebral Cortex</i> , 2021, 31, 3565-3578.	2.9	18
224	Response-based outcome predictions and confidence regulate feedback processing and learning. <i>ELife</i> , 2021, 10, .	6.0	29
226	Coordination of Pupil and Saccade Responses by the Superior Colliculus. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 919-932.	2.3	35
227	Evidence and Urgency Related EEG Signals during Dynamic Decision-Making in Humans. <i>Journal of Neuroscience</i> , 2021, 41, 5711-5722.	3.6	12
228	Stress effects on the oddball P300 and N2 in males and females. <i>Biological Psychology</i> , 2021, 162, 108095.	2.2	4
229	Sustained Pupil Responses Are Modulated by Predictability of Auditory Sequences. <i>Journal of Neuroscience</i> , 2021, 41, 6116-6127.	3.6	8
231	Neural correlates of error-monitoring and mindset: Back to the drawing board?. <i>PLoS ONE</i> , 2021, 16, e0254322.	2.5	1
232	Aging reduces EEG markers of recognition despite intact performance: Implications for forensic memory detection. <i>Cortex</i> , 2021, 140, 80-97.	2.4	6
233	The Effect of Social Distance on Intertemporal Choice of Reward Processing: An Event-Related Potentials Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 712194.	2.0	3
234	Ocular measures during associative learning predict recall accuracy. <i>International Journal of Psychophysiology</i> , 2021, 166, 103-115.	1.0	4
235	The effect of mindfulness and stereotype threat in mental rotation: a pupillometry study. <i>Journal of Cognitive Psychology</i> , 2021, 33, 861-876.	0.9	2
236	Pupillary Reflexes in Complex Regional Pain Syndrome: Asymmetry to Arousal Stimuli Suggests an Ipsilateral Locus Coeruleus Deficit. <i>Journal of Pain</i> , 2022, 23, 131-140.	1.4	6
237	Pupillometry as a measure of cognitive load in mental rotation tasks with abstract and embodied figures. <i>Psychological Research</i> , 2022, 86, 1382-1396.	1.7	5

#	ARTICLE	IF	CITATIONS
238	The auditory brain in action: Intention determines predictive processing in the auditory system”A review of current paradigms and findings. Psychonomic Bulletin and Review, 2022, 29, 321-342.	2.8	14
239	Acute effects of high-intensity interval training and moderate-intensity continuous exercise on BDNF and irisin levels and neurocognitive performance in late middle-aged and older adults. Behavioural Brain Research, 2021, 413, 113472.	2.2	29
240	Television Infographics as Orienting Response: An Eye-Tracking Study of the Role of Visuospatial Attention in Processing of Television News. Electronic News, 0, , 193124312110395.	0.7	0
241	Pupil dilation as an index of Pavlovian conditioning. A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 130, 351-368.	6.1	19
242	Violent Video Games and the P300: No Evidence to Support the Neural Desensitization Hypothesis. Cyberpsychology, Behavior, and Social Networking, 2021, 24, 48-55.	3.9	8
243	Midbrain fMRI: Applications, Limitations and Challenges. Biological Magnetic Resonance, 2015, , 581-609.	0.4	11
244	Relationship Between Eye-Movement Patterns, Cognitive Load, and Reading Ability in Children with Reading Difficulties. Journal of Psycholinguistic Research, 2020, 49, 491-507.	1.3	5
245	Whatâ€™s on Your Mind?. European Psychologist, 2014, 19, 162-171.	3.1	25
246	Atypical neural responding to hearing oneâ€™s own name in adults with ASD.. Journal of Abnormal Psychology, 2018, 127, 129-138.	1.9	25
247	Pupil reactivity to emotional faces among convicted violent offenders: The role of psychopathic traits.. Journal of Abnormal Psychology, 2019, 128, 622-632.	1.9	10
248	Investigating the role of the noradrenergic system in human cognition. , 2011, , 367-386.		5
258	Eyelid Opening with Trigeminal Proprioceptive Activation Regulates a Brainstem Arousal Mechanism. PLoS ONE, 2015, 10, e0134659.	2.5	18
259	The Pupillary Orienting Response Predicts Adaptive Behavioral Adjustment after Errors. PLoS ONE, 2016, 11, e0151763.	2.5	45
260	Neural Correlates of Attention to Human-Made Sounds: An ERP Study. PLoS ONE, 2016, 11, e0165745.	2.5	3
261	Influence of transient spatial attention on the P3 component and perception of painful and non-painful electric stimuli in crossed and uncrossed hands positions. PLoS ONE, 2017, 12, e0182616.	2.5	2
262	A linear oscillator model predicts dynamic temporal attention and pupillary entrainment to rhythmic patterns. Journal of Eye Movement Research, 2018, 11, .	0.8	16
263	Pupillometry: Psychology, Physiology, and Function. Journal of Cognition, 2018, 1, 16.	1.4	380
264	Learning, the P3, and the Locus Coeruleus-Norepinephrine System. , 2011, , 208-222.		17



#	ARTICLE	IF	CITATIONS
265	Statistical context dictates the relationship between feedback-related EEG signals and learning. <i>ELife</i> , 2019, 8, .	6.0	53
266	One-shot learning and behavioral eligibility traces in sequential decision making. <i>ELife</i> , 2019, 8, .	6.0	16
267	Different psychophysiological responses induced by a stimulus change during the orienting task and the Concealed Information Test. <i>Biological Psychology</i> , 2021, 166, 108211.	2.2	3
268	Opportunities and Limitations of Mobile Neuroimaging Technologies in Educational Neuroscience. <i>Mind, Brain, and Education</i> , 2021, 15, 354-370.	1.9	27
269	Temporal changes in attentional resources consumed by mind-wandering that precede awareness: An ERP study. <i>NeuroImage Reports</i> , 2021, 1, 100060.	1.0	2
272	Embodied Conversational Agent-Based Deception Detection. <i>Lecture Notes in Networks and Systems</i> , 2018, , 294-307.	0.7	0
281	Decision Making and Oddball Effects on Pupil Size: Evidence for a Sequential Process. <i>Journal of Cognition</i> , 2020, 3, 7.	1.4	19
283	Investigating anticipatory processes during sequentially changing reward prospect: An ERP study. <i>Brain and Cognition</i> , 2021, 155, 105815.	1.8	2
284	Transitions of physiological changes in the concealed information test. <i>Shinrigaku Kenkyu</i> , 2020, 91, 303-311.	0.7	3
286	Modulation of the cognitive event-related potential P3 by transcranial direct current stimulation: Systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 894-907.	6.1	12
293	Pupil Dilation Response to Prosody and Syntax During Auditory Sentence Processing. <i>Journal of Psycholinguistic Research</i> , 2022, , 1.	1.3	2
294	Context-dependent relationships between locus coeruleus firing patterns and coordinated neural activity in the anterior cingulate cortex. <i>ELife</i> , 2022, 11, .	6.0	24
295	Superior frontal regions reflect the dynamics of task engagement and theta band-related control processes in time-on task effects. <i>Scientific Reports</i> , 2022, 12, 846.	3.3	2
296	Facial temperature and pupil size as indicators of internal state in primates. <i>Neuroscience Research</i> , 2022, 175, 25-37.	1.9	4
297	Adaptive Learning through Temporal Dynamics of State Representation. <i>Journal of Neuroscience</i> , 2022, 42, 2524-2538.	3.6	9
298	The effect of background speech on attentive sound processing: A pupil dilation study. <i>International Journal of Psychophysiology</i> , 2022, 174, 47-56.	1.0	3
299	Functional Significance of Individual Differences in P3 Network Spatial Configuration. <i>Journal of Psychophysiology</i> , 0, , .	0.7	1
300	Event-related correlates of evolving trust evaluations. <i>Social Neuroscience</i> , 2022, 17, 154-169.	1.3	0



#	ARTICLE	IF	CITATIONS
302	The Impact of Probabilistic Cues on Sound-related Pupil Dilation and ERP Responses in 7-9-year-old Children. Auditory Perception & Cognition, 0, , 1-21.	1.1	1
303	“Blue Sky Effect”: Contextual Influences on Pupil Size During Naturalistic Visual Search. Frontiers in Psychology, 2021, 12, 748539.	2.1	5
305	The influence of working memory capacity and lapses of attention for variation in error monitoring. Cognitive, Affective and Behavioral Neuroscience, 2022, , .	2.0	1
306	The CODA Model: A Review and Skeptical Extension of the Constructionist Model of Emotional Episodes Induced by Music. Frontiers in Psychology, 2022, 13, 822264.	2.1	1
307	A unified model of the task-evoked pupil response. Science Advances, 2022, 8, eabi9979.	10.3	21
309	Publication guidelines and recommendations for pupillary measurement in psychophysiological studies. Psychophysiology, 2022, 59, e14035.	2.4	25
310	A resting-state network for novelty: Similar involvement of a global network under rest and task conditions. Psychiatry Research - Neuroimaging, 2022, 323, 111488.	1.8	2
311	Pupil-linked Arousal Signals in the Midbrain Superior Colliculus. Journal of Cognitive Neuroscience, 2022, 34, 1340-1354.	2.3	5
312	Î9-THC reduces reward-related brain activity in healthy adults. Psychopharmacology, 2022, 239, 2829-2840.	3.1	6
313	Pupillometry as an integrated readout of distinct attentional networks. Trends in Neurosciences, 2022, 45, 635-647.	8.6	70
314	The graded novelty encoding task: Novelty gradually improves recognition of visual stimuli under incidental learning conditions. Behavior Research Methods, 2023, 55, 1587-1600.	4.0	1
315	The Effect of Code-Switching Experience on the Neural Response Elicited to a Sentential Code Switch. Languages, 2022, 7, 178.	0.6	2
316	Auditory event-related potentials in separating patients with depressive disorders and non-depressed controls: A narrative review. International Journal of Psychophysiology, 2022, 179, 119-142.	1.0	11
317	Concealed identity information detection with pupillometry in rapid serial visual presentation. Psychophysiology, 2023, 60, .	2.4	4
318	Behavioral impulsivity is associated with pupillary alterations and hyperactivity in CDKL5 mutant mice. Human Molecular Genetics, 2022, 31, 4107-4120.	2.9	4
320	The reliability of P300 and the influence of age, gender and education variables in a 50+years and older normative sample. International Journal of Psychophysiology, 2022, 181, 1-13.	1.0	4
321	Neural responses to sensory novelty with and without conscious access. Neurolmage, 2022, 262, 119516.	4.2	0
322	Selective Spatial Attention in Lateralized Multi-Talker Speech Perception: EEG Correlates and the Role of Age. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
323	Recent Trends in Research on the Polygraph Tests. Japanese Journal of Physiological Psychology and Psychophysiology, 2022, 40, 51-67.	0.1	2
324	On the Relationship of Arousal and Attentional Distraction by Emotional Novel Sounds. SSRN Electronic Journal, 0, , .	0.4	0
325	Intention-based predictive information modulates auditory deviance processing. Frontiers in Neuroscience, 0, 16, .	2.8	1
326	Evidence for a modulating effect of transcutaneous auricular vagus nerve stimulation (taVNS) on salivary alpha-amylase as indirect noradrenergic marker: A pooled mega-analysis. Brain Stimulation, 2022, 15, 1378-1388.	1.6	18
327	The potential application of event-related potentials to enhance research on reward processes in eating disorders. International Journal of Eating Disorders, 2022, 55, 1484-1495.	4.0	2
328	Short bursts of transcutaneous auricular vagus nerve stimulation enhance evoked pupil dilation as a function of stimulation parameters. Cortex, 2023, 159, 233-253.	2.4	17
329	Interactive slide selection algorithm and machine learning in psychophysiological memory testing. Physiological Measurement, 2023, 44, 025004.	2.1	1
330	Selective spatial attention in lateralized multi-talker speech perception: EEG correlates and the role of age. Neurobiology of Aging, 2023, 126, 1-13.	3.1	1
331	Changes in pupil dilation and P300 amplitude indicate the possible involvement of the locus coeruleus-norepinephrine (LC-NE) system in psychological flow. Scientific Reports, 2023, 13, .	3.3	2
332	Salient omissionsâ€”pupil dilation in response to unexpected omissions of sound and touch. Frontiers in Psychiatry, 0, 14, .	2.6	4
333	From pupil to the brain: New insights for studying cortical plasticity through pupillometry. Frontiers in Neural Circuits, 0, 17, .	2.8	5
334	Assessing Temporal Variability in Fixation-Locked P300 Responses during Free-Viewing Visual Search. , 2023, , .		0
336	The P300 Auditory Evoked Potential: A Physiological Measure of the Engagement of Cognitive Systems Contributing to Listening Effort?. Ear and Hearing, 0, Publish Ahead of Print, .	2.1	0
337	Short-term transcutaneous vagus nerve stimulation increases pupil size but does not affect EEG alpha power: A replication of Sharon et al. (2021, Journal of Neuroscience). Brain Stimulation, 2023, 16, 1001-1008.	1.6	4
338	On the relationship of arousal and attentional distraction by emotional novel sounds. Cognition, 2023, 237, 105470.	2.2	1
339	Experiencing respect elongates the orienting response: a pilot study. Discover Psychology, 2023, 3, .	0.9	0
340	Noradrenergic neuromodulation in ageing and disease. Neuroscience and Biobehavioral Reviews, 2023, 152, 105311.	6.1	2
341	Vision rivals audition in alerting humans for fast action. Acta Psychologica, 2023, 238, 103991.	1.5	1

#	ARTICLE	IF	CITATIONS
342	Effects of interstimulus interval and significance on electrodermal and central measures of the phasic orienting reflex (OR) in a dishabituation task. Scientific Reports, 2023, 13, .	3.3	0
343	“Brain”-breath”interactions: respiration-timing”dependent impact on functional brain networks and beyond. Reviews in the Neurosciences, 2024, 35, 165-182.	2.9	0
344	Pupil Size Is Sensitive to Low-Level Stimulus Features, Independent of Arousal-Related Modulation. ENeuro, 2023, 10, ENEURO.0005-23.2023.	1.9	0
345	Beyond facial expressions: A systematic review on effects of emotional relevance of faces on the N170. Neuroscience and Biobehavioral Reviews, 2023, 153, 105399.	6.1	2
347	Self-regulating arousal via pupil-based biofeedback. Nature Human Behaviour, 2024, 8, 43-62.	12.0	2
348	Brainstem fMRI signaling of surprise across different types of deviant stimuli. Cell Reports, 2023, 42, 113405.	6.4	1
349	Revealing visual working memory operations with pupillometry: Encoding, maintenance, and prioritization. Wiley Interdisciplinary Reviews: Cognitive Science, 0, , .	2.8	3
350	Curiosity-driven exploration: foundations in neuroscience and computational modeling. Trends in Neurosciences, 2023, 46, 1054-1066.	8.6	0
351	Psychophysiological Markers of Auditory Distraction: A Scoping Review. Auditory Perception & Cognition, 2024, 7, 9-49.	1.1	1
352	Somatosensory omissions reveal action”related predictive processing. Human Brain Mapping, 2024, 45, .	3.6	0
353	Brain Activity is Influenced by How High Dimensional Data are Represented: An EEG Study of Scatterplot Diagnostic (Scagnostics) Measures. Journal of Healthcare Informatics Research, 0, , .	7.6	0
354	Neurophysiological measures and correlates of cognitive load in attention”deficit/hyperactivity disorder (ADHD), autism spectrum disorder (ASD) and dyslexia: A scoping review and research recommendations. European Journal of Neuroscience, 2024, 59, 256-282.	2.6	2
356	Functional benefits of cognitively driven pupil”size changes. Wiley Interdisciplinary Reviews: Cognitive Science, 2024, 15, .	2.8	0
357	The Intensity of Internal and External Attention Assessed with Pupillometry. Journal of Cognition, 2024, 7, 8.	1.4	1
358	OXTR Gene Polymorphisms and Event-Related Potentials in Humans: A Systematic Review. , 0, , .		0
359	Combining electrodermal activity analysis and dynamic causal modeling to investigate the visual-odor multimodal integration during face perception. Journal of Neural Engineering, 2024, 21, 016020.	3.5	0
360	How and when social evaluative feedback is processed in the brain: A systematic review on ERP studies. Cortex, 2024, 173, 187-207.	2.4	0
361	BCI-Speller”™s Data and Approaches as the Basis for Cognitive BCI Applications (from Communication to) Tj ETQg1.1 0.784314 rgB7 / 0.4 0	0.4	0

#	ARTICLE	IF	CITATIONS
362	Tonic and phasic transcutaneous auricular vagus nerve stimulation (taVNS) both evoke rapid and transient pupil dilation. Brain Stimulation, 2024, 17, 233-244.	1.6	0
363	Correlated P300b and phasic pupilâ€dilation responses to motivationally significant stimuli. Psychophysiology, 0, , .	2.4	0
364	Reactivity and stability in facial expressions as an indicator of therapeutic alliance strength. Psychotherapy Research, 0, , 1-15.	1.8	0
365	Free Cognitive Capacity Assessed by the P300 Method During Manual Docking Training in Space. Aerospace Medicine and Human Performance, 2024, 95, 187-193.	0.4	0