Vigilance Requires Hard Mental Work and Is Stressful

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Citation Report

#	Article	IF	Citations
2	Estimating Brain Load from the EEG. Scientific World Journal, The, 2009, 9, 639-651.	0.8	202
3	Tympanic membrane temperature, exposure to emotional stimuli and the sustained attention to response task. Journal of Clinical and Experimental Neuropsychology, 2009, 31, 611-616.	0.8	18
4	Effects of Training with Knowledge of Results on Diagnosticity in Vigilance Performance. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1066-1070.	0.2	11
5	On the Workload of Vigilance: Comparison of the NASA-TLX and the MRQ. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1057-1061.	0.2	5
6	Cerebral Hemodynamics and Vigilance Performance. Military Psychology, 2009, 21, S75-S100.	0.7	79
7	Conscious thought and the sustained attention to response task. Consciousness and Cognition, 2009, 18, 600-607.	0.8	78
8	Interactions between endogenous and exogenous attention during vigilance. Attention, Perception, and Psychophysics, 2009, 71, 1042-1058.	0.7	81
9	Levels of Automation in Multi-UAV Control Allocation and Router Tasks. , 2009, , .		3
10	Predicting vigilance: A fresh look at an old problem. Ergonomics, 2009, 52, 791-808.	1.1	142
11	Modifying sensitivity/specificity for sensors using positive and negative predictive power measures. , 2009, , .		O
12	Human Factors Measurement for Future Air Traffic Control Systems. Human Factors, 2009, 51, 595-637.	2.1	55
13	Detecting threat-related intentional actions of others: Effects of image quality, response mode, and target cuing on vigilance Journal of Experimental Psychology: Applied, 2009, 15, 275-290.	0.9	52
14	An Agent Model for Analysis of Human Performance Quality. , 2010, , .		2
15	Understanding Brain Arousal and Sleep Quality Using a Neuroergonomic Smart Phone Application. Advances in Human Factors and Ergonomics Series, 2010, , 200-210.	0.2	1
16	Using human factors engineering to improve the effectiveness of infection prevention and control. Critical Care Medicine, 2010, 38, S269-S281.	0.4	61
17	Task engagement, cerebral blood flow velocity, and diagnostic monitoring for sustained attention Journal of Experimental Psychology: Applied, 2010, 16, 187-203.	0.9	119
18	Cumulative Knowledge and Progress in Human Factors. Annual Review of Psychology, 2010, 61, 623-651.	9.9	53
19	Energetic effects of stimulus intensity on prolonged simple reaction-time performance. Psychological Research, 2010, 74, 499-512.	1.0	57

#	Article	IF	Citations
20	Individual differences in vigilance: Personality, ability and states of stress. Journal of Research in Personality, 2010, 44, 297-308.	0.9	96
21	Global interference and spatial uncertainty in the Sustained Attention to Response Task (SART). Consciousness and Cognition, 2010, 19, 77-85.	0.8	48
22	A Comparison of Cerebral Hemovelocity and Blood Oxygen Saturation Levels during Vigilance Performance. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1345-1349.	0.2	12
23	Information Processing in Aviation. , 2010, , 175-215.		20
24	Combating Vigilance Decrement in a Single-Operator Radar Platform. Ergonomics in Design, 2010, 18, 6-9.	0.4	9
25	A Multivariate Test Battery for Predicting Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1072-1076.	0.2	7
26	Intensive Meditation Training Improves Perceptual Discrimination and Sustained Attention. Psychological Science, 2010, 21, 829-839.	1.8	447
27	Attention capture by novel sounds: Distraction versus facilitation. European Journal of Cognitive Psychology, 2010, 22, 481-515.	1.3	64
28	Neuroergonomics and human error. Theoretical Issues in Ergonomics Science, 2010, 11, 402-421.	1.0	35
29	Imaging brain fatigue from sustained mental workload: An ASL perfusion study of the time-on-task effect. Neurolmage, 2010, 49, 3426-3435.	2.1	330
30	Cultural influences on the measurement of subjective mental workload. Ergonomics, 2011, 54, 509-518.	1.1	40
32	The effects of emotional stimuli on target detection: Indirect and direct resource costs. Consciousness and Cognition, 2011, 20, 1649-1658.	0.8	35
33	Search asymmetry, sustained attention, and response inhibition. Brain and Cognition, 2011, 77, 215-222.	0.8	56
34	Workload and Stress in Vigilance: The Impact of Display Format and Task Type. American Journal of Psychology, 2011, 124, 441.	0.5	11
35	Human Factors Issues with Operating Unmanned Underwater Vehicles. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 429-433.	0.2	24
36	The Effects of Task Type and Source Complexity on Vigilance Performance, Workload, and Stress. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1180-1184.	0.2	6
37	Team Vigilance: The Effects of Co-Action on Workload in Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1185-1189.	0.2	4
38	Knowledge of Results and Diagnostic Power: Implications for Vigilance Training to Support Improvised Explosive Device Detection. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1548-1551.	0.2	2

#	Article	IF	Citations
39	Effects of Vibrotactile Stimulation for Sustaining Performance in a Vigilance Task: A Pilot Study. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1160-1164.	0.2	3
40	Enhanced response inhibition during intensive meditation training predicts improvements in self-reported adaptive socioemotional functioning Emotion, 2011, 11, 299-312.	1.5	158
41	Individual differences in response to automation: The five factor model of personality Journal of Experimental Psychology: Applied, 2011, 17, 71-96.	0.9	134
42	Maximizing Sensitivity of the Psychomotor Vigilance Test (PVT) to Sleep Loss. Sleep, 2011, 34, 581-591.	0.6	655
43	Modulation of non-spatial attention and the global/local processing bias. Neuropsychologia, 2011, 49, 352-359.	0.7	24
44	Object-based auditory facilitation of visual search for pictures and words with frequent and rare targets. Acta Psychologica, 2011, 137, 252-259.	0.7	34
45	Feature absence–presence and two theories of lapses of sustained attention. Psychological Research, 2011, 75, 384-392.	1.0	51
46	Reliable- and unreliable-warning cues in the Sustained Attention to Response Task. Experimental Brain Research, 2011, 209, 401-407.	0.7	43
47	Working memory load and the vigilance decrement. Experimental Brain Research, 2011, 212, 429-437.	0.7	111
48	Vigilance decrement during a simulated general aviation flight. Applied Cognitive Psychology, 2011, 25, 229-235.	0.9	34
49	The link between fatigue and safety. Accident Analysis and Prevention, 2011, 43, 498-515.	3.0	535
50	Selection for vigilance assignments: a review and proposed new direction. Theoretical Issues in Ergonomics Science, 2011, 12, 273-296.	1.0	38
51	The Effects of Arousing Negative and Neutral Picture Stimuli on Target Detection in a Vigilance Task. Human Factors, 2011, 53, 132-141.	2.1	34
52	Alterations in cognitive performance during passive hyperthermia are task dependent. International Journal of Hyperthermia, 2011, 27, 1-9.	1.1	162
53	Effects of regular or irregular event schedules on cerebral hemovelocity during a sustained attention task. Journal of Clinical and Experimental Neuropsychology, 2012, 34, 57-66.	0.8	37
54	Designing for vigilance during intermittent use., 2012,,.		4
55	Information Quality and Management Accounting. Lecture Notes in Economics and Mathematical Systems, 2012, , .	0.3	5
56	The influence of exercise-induced fatigue on cognitive function. Journal of Sports Sciences, 2012, 30, 841-850.	1.0	98

#	ARTICLE	IF	Citations
57	Diary studies as a macro-ergonomic evaluation tool: Development of a shift diary and its application in ergonomic evaluations. , 2012 , , .		O
58	Using Variable-Rate Alerting to Counter Boredom in Human Supervisory Control. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1441-1445.	0.2	11
59	Diagnostic Monitoring Of Vigilance Decrement Using EEG Workload Indices. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 203-207.	0.2	7
60	Mental Demand, Asymmetries, and Tympanic Membrane Temperature (TMT). Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1529-1533.	0.2	0
61	The Effect of Knowledge of Results for Training Vigilance in a Video Game-Based Environment. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1421-1425.	0.2	5
62	Cerebral Hemovelocity and the Sustained Attention to Response Task (SART). Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1436-1440.	0.2	9
63	A comparison of subjective and physiological workload assessment techniques during a 3-dimensional audio vigilance task. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1451-1455.	0.2	5
64	Reducing Major Rule Violations in Commuter Rail Operations: The Role of Distraction and Attentional Errors. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2331-2334.	0.2	1
65	An Adaptive-Duration Version of the PVT Accurately Tracks Changes in Psychomotor Vigilance Induced by Sleep Restriction. Sleep, 2012, 35, 193-202.	0.6	44
66	Fit and vigilant: The relationship between poorer aerobic fitness and failures in sustained attention during preadolescence Neuropsychology, 2012, 26, 407-413.	1.0	56
67	Human Information Processing. Human Factors and Ergonomics, 2012, , 21-40.	0.0	4
68	Task Loading and Stress in Human–Computer Interaction. Human Factors and Ergonomics, 2012, , 55-76.	0.0	4
69	The Two-Factor Solution to Allen and Meyer's (1990) Affective Commitment Scale: Effects of Negatively Worded Items. Journal of Business and Psychology, 2012, 27, 421-436.	2.5	54
70	The Relation of Mild Traumatic Brain Injury to Chronic Lapses of Attention. Research Quarterly for Exercise and Sport, 2012, 83, 553-559.	0.8	30
71	Using Engagement to Negate Vigilance Decrements in the NextGen Environment. International Journal of Human-Computer Interaction, 2012, 28, 99-106.	3.3	31
72	Managing critical events: Designing an attention allocation system. , 2012, , .		1
73	Sleepiness, parkinsonian features and sustained attention in mild Alzheimer's disease. Age and Ageing, 2012, 41, 765-770.	0.7	10
74	Attention failures versus misplaced diligence: Separating attention lapses from speed–accuracy trade-offs. Consciousness and Cognition, 2012, 21, 277-291.	0.8	69

#	ARTICLE	IF	Citations
76	Mindfulness training affects attentionâ€"Or is it attentional effort?. Journal of Experimental Psychology: General, 2012, 141, 106-123.	1.5	215
78	Attention, biological motion, and action recognition. Neurolmage, 2012, 59, 4-13.	2.1	128
79	Relationship between prospective memory and vigilance: Evidence from ERP. Science Bulletin, 2012, 57, 4057-4063.	1.7	2
80	Physician staffed helicopter emergency medical service dispatch via centralised control or directly by crew – case identification rates and effect on the Sydney paediatric trauma system. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2012, 20, 82.	1.1	19
81	Dopaminergic Polymorphisms Associated with Time-on-Task Declines and Fatigue in the Psychomotor Vigilance Test. PLoS ONE, 2012, 7, e33767.	1.1	53
82	The Early History of Ventilation. Anaesthesia and Intensive Care, 2012, 40, 3-4.	0.2	35
84	Components of Integrative Communication During Arguing: Implications for Stress Symptoms. Argumentation and Advocacy, 2012, 48, 142-158.	0.1	8
85	Shift work and the incidence of injury among police officers. American Journal of Industrial Medicine, 2012, 55, 217-227.	1.0	52
86	Brief mental breaks and content-free cues may not keep you focused. Experimental Brain Research, 2012, 219, 37-46.	0.7	55
87	On the observational implications of taste-based discrimination in racial profiling. Journal of Econometrics, 2012, 166, 66-78.	3.5	16
88	Using magic to throw light on tricky healthcare systems: Patient safety problem solving. Human Factors and Ergonomics in Manufacturing, 2012, 22, 87-95.	1.4	3
89	Everyday Attention: Variation in Mind Wandering and Memory in a Lecture. Applied Cognitive Psychology, 2012, 26, 234-242.	0.9	296
90	Text-speak processing and the sustained attention to response task. Experimental Brain Research, 2012, 216, 103-111.	0.7	29
91	Sustaining visual attention in the face of distraction: a novel gradual-onset continuous performance task. Attention, Perception, and Psychophysics, 2013, 75, 426-439.	0.7	124
92	Visuospatial and verbal working memory load: effects on visuospatial vigilance. Experimental Brain Research, 2013, 224, 429-436.	0.7	56
93	Cytopreparation. Essentials in Cytopathology Series, 2013, , .	0.1	9
94	Time-on-task and sleep deprivation effects are evidenced in overlapping brain areas. NeuroImage, 2013, 82, 326-335.	2.1	44
95	Event-related cerebral hemodynamics reveal target-specific resource allocation for both "go―and "no-go―response-based vigilance tasks. Brain and Cognition, 2013, 82, 265-273.	0.8	43

#	ARTICLE	IF	CITATIONS
96	Wait a second: Brief delays in responding reduce focality effects in event-based prospective memory. Quarterly Journal of Experimental Psychology, 2013, 66, 1432-1447.	0.6	46
97	In the Zone or Zoning Out? Tracking Behavioral and Neural Fluctuations During Sustained Attention. Cerebral Cortex, 2013, 23, 2712-2723.	1.6	326
98	The assessment of vigilance: normative data on the Siesta sustained attention test. Sleep Medicine, 2013, 14, 542-548.	0.8	16
99	Adaptive function allocation stabilization and a comparison of trigger types and adaptation strategies. International Journal of Industrial Ergonomics, 2013, 43, 439-449.	1.5	4
100	Driving with music: Effects on arousal and performance. Transportation Research Part F: Traffic Psychology and Behaviour, 2013, 21, 52-65.	1.8	83
101	A behavioral neuroenergetics theory of ADHD. Neuroscience and Biobehavioral Reviews, 2013, 37, 625-657.	2.9	73
102	Sustained Attention in Intellectually Gifted Children Assessed Using a Continuous Performance Test. PLoS ONE, 2013, 8, e57417.	1.1	22
103	Evidence for a cognitive control network for goal-directed attention in simple sustained attention. Brain and Cognition, 2013, 81, 193-202.	0.8	18
104	Sustained attention in the elderly: What do we know and what does it tell us about cognitive aging?. Ageing Research Reviews, 2013, 12, 459-468.	5.0	65
105	A robust principal component analysis algorithm for EEG-based vigilance estimation. , 2013, 2013, 6623-6.		1
106	Perceptual decoupling or motor decoupling?. Consciousness and Cognition, 2013, 22, 913-919.	0.8	35
107	Boredom and Distraction in Multiple Unmanned Vehicle Supervisory Control. Interacting With Computers, 2013, 25, 34-47.	1.0	74
108	Viewing the Workload of Vigilance Through the Lenses of the NASA-TLX and the MRQ. Human Factors, 2013, 55, 1044-1063.	2.1	55
109	The Effects of Feedback in Vigilance Training on Performance, Workload, Stress and Coping. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1119-1123.	0.2	2
110	Exploring the Impact of Cognition on Young Children's Ability to Navigate a Speech-Generating Device. AAC: Augmentative and Alternative Communication, 2013, 29, 347-359.	0.8	13
111	An agent model for analysis of human performance quality. Web Intelligence and Agent Systems, 2013, 11, 171-184.	0.4	0
112	An Introduction to Multitasking and Texting. Journal of Marketing Education, 2013, 35, 26-40.	1.6	51
113	A test method for quantification of stimulus-induced depression effects on perceptual threshold in epiretinal prosthesis. Acta Ophthalmologica, 2013, 91, e595-e602.	0.6	8

#	Article	IF	CITATIONS
116	Situation Awareness with Systems of Systems. , 2013, , .		12
117	Sustaining attention to simple tasks: A meta-analytic review of the neural mechanisms of vigilant attention Psychological Bulletin, 2013, 139, 870-900.	5.5	512
118	Workplace Internet Leisure Browsing. Human Performance, 2013, 26, 114-125.	1.4	65
119	Using cerebral hemovelocity to measure workload during a spatialised auditory vigilance task in novice and experienced observers. Ergonomics, 2013, 56, 1251-1263.	1.1	38
120	Active and passive fatigue in simulated driving: Discriminating styles of workload regulation and their safety impacts Journal of Experimental Psychology: Applied, 2013, 19, 287-300.	0.9	131
121	Visual task performance using a monocular see-through head-mounted display (HMD) while walking Journal of Experimental Psychology: Applied, 2013, 19, 333-344.	0.9	27
122	Assessing Resource Utilization during Vigilance Using Transcranial Doppler. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 818-822.	0.2	4
123	Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1114-1118.	0.2	4
124	Energetic Arousal and Language. Human Factors, 2013, 55, 924-934.	2.1	2
125	Neuroergonomics: Brain-Inspired Cognitive Engineering. , 2013, , .		4
126	Long-Term Effects of Attentional Performance on Functional Brain Network Topology. PLoS ONE, 2013, 8, e74125.	1.1	49
127	Everyday attention and lecture retention: the effects of time, fidgeting, and mind wandering. Frontiers in Psychology, 2013, 4, 619.	1.1	108
128	rTMS over bilateral inferior parietal cortex induces decrement of spatial sustained attention. Frontiers in Human Neuroscience, 2013, 7, 26.	1.0	21
129	The impact of induced anxiety on response inhibition. Frontiers in Human Neuroscience, 2013, 7, 69.	1.0	79
130	Sensing, assessing, and augmenting threat detection: behavioral, neuroimaging, and brain stimulation evidence for the critical role of attention. Frontiers in Human Neuroscience, 2013, 7, 273.	1.0	23
131	Non-invasive brain stimulation can induce paradoxical facilitation. Are these neuroenhancements transferable and meaningful to security services?. Frontiers in Human Neuroscience, 2013, 7, 449.	1.0	33
132	Executive control and felt concentrative engagement following intensive meditation training. Frontiers in Human Neuroscience, 2013, 7, 566.	1.0	63
133	Neuroergonomics: a review of applications to physical and cognitive work. Frontiers in Human Neuroscience, 2013, 7, 889.	1.0	181

#	ARTICLE	IF	Citations
134	Comparing Expert Driving Behavior in Real World and Simulator Contexts. International Journal of Computer Games Technology, 2013, 2013, 1-14.	1.6	13
135	Decoding Vigilance with NIRS. PLoS ONE, 2014, 9, e101729.	1.1	37
136	Time-on-task decrement in vigilance is modulated by inter-individual vulnerability to homeostatic sleep pressure manipulation. Frontiers in Behavioral Neuroscience, 2014, 8, 59.	1.0	22
137	Task instructions modulate the attentional mode affecting the auditory MMN and the semantic N400. Frontiers in Human Neuroscience, 2014, 8, 654.	1.0	38
138	Narcissism as a Predictor of Facebook Users' Privacy Concern, Vigilance, and Exposure to Risk. International Journal of Technology and Human Interaction, 2014, 10, 78-95.	0.3	17
139	An ACT-R Process Model of the Signal Duration Phenomenon of Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 909-913.	0.2	7
140	Costs of mate-guarding in wild male long-tailed macaques (Macaca fascicularis): Physiological stress and aggression. Hormones and Behavior, 2014, 66, 637-648.	1.0	40
141	Predicting battlefield vigilance: a multivariate approach to assessment of attentional resources. Ergonomics, 2014, 57, 856-875.	1.1	80
142	Exploring the feasibility of using functional tissue pulsatility imaging to measure cognitive load during an abbreviated vigilance task. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 225-229.	0.2	0
143	Human–Agent Teaming for Multirobot Control: A Review of Human Factors Issues. IEEE Transactions on Human-Machine Systems, 2014, 44, 13-29.	2.5	330
144	Reward reveals dissociable aspects of sustained attention Journal of Experimental Psychology: General, 2014, 143, 2287-2295.	1.5	66
145	Use of EEG Workload Indices for Diagnostic Monitoring of Vigilance Decrement. Human Factors, 2014, 56, 1136-1149.	2.1	100
146	Potential Individual Differences Regarding Automation Effects in Automated Driving. , 2014, , .		31
148	Cumulative neurobehavioral and physiological effects of chronic caffeine intake: individual differences and implications for the use of caffeinated energy products. Nutrition Reviews, 2014, 72, 34-47.	2.6	29
149	Vigilance on the move: video game-based measurement of sustained attention. Ergonomics, 2014, 57, 1315-1336.	1.1	37
150	The Sustained Attention to Response Task (SART) Does Not Promote Mindlessness During Vigilance Performance. Human Factors, 2014, 56, 1364-1379.	2.1	31
151	Effects of adaptive cruise control and highly automated driving on workload and situation awareness: A review of the empirical evidence. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 27, 196-217.	1.8	511
152	Cueâ€Based Processing Capacity, Cognitive Load and the Completion of Simulated Shortâ€Duration Vigilance Tasks in Power Transmission Control. Applied Cognitive Psychology, 2014, 28, 481-487.	0.9	22

#	Article	IF	CITATIONS
153	The subjective effort of everyday mental tasks: Attending, assessing, and choosing. Motivation and Emotion, 2014, 38, 832-843.	0.8	13
154	Mindfulness and Anesthesiology. Refresher Courses in Anesthesiology, 2014, 42, 75-82.	0.1	1
155	The Effects of Electrical Brain Stimulation Upon Visual Attention and Neglect. , 2014, , 265-298.		1
156	Meditation $\hat{a}\in$ "Neuroscientific Approaches and Philosophical Implications. Studies in Neuroscience, Consciousness and Spirituality, 2014, , .	0.2	21
157	Wrong-Side Thoracentesis. JAMA Surgery, 2014, 149, 774.	2.2	26
159	Battery powered thought: Enhancement of attention, learning, and memory in healthy adults using transcranial direct current stimulation. Neurolmage, 2014, 85, 895-908.	2.1	378
160	Enhancing vigilance in operators with prefrontal cortex transcranial direct current stimulation (tDCS). Neurolmage, 2014, 85, 909-917.	2.1	250
161	The influence of dispositional mindfulness on safety behaviors: A dual process perspective. Accident Analysis and Prevention, 2014, 70, 24-32.	3.0	56
162	Functional cortical connectivity analysis of mental fatigue unmasks hemispheric asymmetry and changes in small-world networks. Brain and Cognition, 2014, 85, 220-230.	0.8	127
163	Effects of breaks and goal switches on the vigilance decrement. Experimental Brain Research, 2014, 232, 1729-1737.	0.7	70
164	A Strategically Timed Verbal Task Improves Performance and Neurophysiological Alertness During Fatiguing Drives. Human Factors, 2014, 56, 453-462.	2.1	33
165	Discriminative Analysis of Brain Functional Connectivity Patterns for Mental Fatigue Classification. Annals of Biomedical Engineering, 2014, 42, 2084-2094.	1.3	53
166	Psychological work characteristics, psychological workload and associated psychological and cognitive requirements of train drivers. Ergonomics, 2014, 57, 1473-1487.	1.1	32
168	Costs of and Investment in Mate-Guarding in Wild Long-Tailed Macaques (Macaca fascicularis): Influences of Female Characteristics and Male–Female Social Bonds. International Journal of Primatology, 2014, 35, 701-724.	0.9	18
169	Controlled mechanical vibration applied to driver's right heel to sustain alertness: Effects on cardiovascular behavior. Transportation Research Part C: Emerging Technologies, 2014, 38, 101-109.	3.9	2
170	An interpolation approach for fitting computationally intensive models. Cognitive Systems Research, 2014, 29-30, 53-65.	1.9	3
171	EEG predictors of covert vigilant attention. Journal of Neural Engineering, 2014, 11, 035009.	1.8	45
172	Effects and after-effects of chewing gum on vigilance, heart rate, EEG and mood. Physiology and Behavior, 2014, 133, 244-251.	1.0	29

#	Article	IF	CITATIONS
173	Using cerebral hemovelocity to measure workload in a complex vigilance task with display redundancy. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 400-404.	0.2	2
174	Cognitive Flexibility and Sustained Attention. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 954-958.	0.2	6
175	The Robustness of Affect Manipulations in Vigilance Paradigms. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 959-963.	0.2	0
176	The Effect of Neuroticism on Vigilance Performance. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 969-973.	0.2	1
177	The Effects of Stereoscopic Depth on Vigilance Task Performance and Cerebral Hemodynamics. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1731-1735.	0.2	0
178	Cyber Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1771-1775.	0.2	30
179	Human Factors in Cyber Warfare II. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 415-418.	0.2	36
180	Minding the Gap: Extending Mindfulness to Safety-Critical Occupations. Industrial and Organizational Psychology, 2015, 8, 699-705.	0.5	5
181	Satisfaction at last: Evidence for the "satisfaction―hypothesis for multiple-target search errors. Visual Cognition, 2015, 23, 821-825.	0.9	6
182	Individual Differences in Multitasking Performance. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 887-891.	0.2	5
183	Drivers' Reliance on Lane-Keeping Assistance Systems as a Function of the Level of Assistance. Zeitschrift Fýr Arbeitswissenschaft, 2015, 69, 89-97.	0.7	1
184	Designing for Human Sustainability. , 2015, , .		3
185	Motivation and Emotion in Sustained Attention. , 2015, , 218-240.		9
186	Does continuous partial attention offer a new understanding of the required vigilance and associated stress for parents of children with complex needs?. Child: Care, Health and Development, 2015, 41, 1238-1241.	0.8	3
187	NextSim. Ergonomics in Design, 2015, 23, 23-27.	0.4	1
188	Tactile Displays of Pulse Oximetry. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 581-585.	0.2	6
189	Circadian Effects on Simple Components of Complex Task Performance. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 627-631.	0.2	1
190	The Effect of Age and Mood State on Sustained Attention. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1177-1181.	0.2	1

#	Article	IF	CITATIONS
191	Social norms and cognitive performance. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1012-1016.	0.2	2
192	The Effects of a Scheduled Driver Engagement Strategy in Automated Driving. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1681-1685.	0.2	15
193	Effects of Memory Load and Test Position on Short-Duration Sustained Attention Tasks. American Journal of Psychology, 2015, 128, 445.	0.5	1
194	Increased Automaticity and Altered Temporal Preparation Following Sleep Deprivation. Sleep, 2015, 38, 1219-1227.	0.6	12
195	Display Movement Velocity and Dynamic Visual Search Performance. Human Factors and Ergonomics in Manufacturing, 2015, 25, 269-278.	1.4	11
196	Estimating vigilance from EEG using manifold clustering guided by instantaneous lapse rate. , 2015, , .		2
197	A new likelihood ratio metric for the psychomotor vigilance test and its sensitivity to sleep loss. Journal of Sleep Research, 2015, 24, 702-713.	1.7	31
198	Mechanisms for Robust Cognition. Cognitive Science, 2015, 39, 1131-1171.	0.8	9
199	Vigilance: A Perceptual Challenge. , 2015, , 241-283.		51
200	The Relationship between Regular Sports Participation and Vigilance in Male and Female Adolescents. PLoS ONE, 2015, 10, e0123898.	1.1	26
201	First-generation students \tilde{A} \hat{a} , \hat{a} , \hat{a} underperformance at university: the impact of the function of selection. Frontiers in Psychology, 2015, 6, 710.	1.1	41
202	Auditory Beat Stimulation and its Effects on Cognition and Mood States. Frontiers in Psychiatry, 2015, 6, 70.	1.3	73
203	Perception and Attention., 0,, 107-125.		2
204	Applied Perception and Neuroergonomics., 0,, 79-104.		2
205	Sustained Attention in Operational Settings. , 0, , 769-792.		7
206	Multimodal and Cross-Modal Perception: Audition. , 0, , 325-344.		1
207	Research on Wearable, Immersive Augmented Reality (WIAR) Adoption in Maritime Navigation. Journal of Navigation, 2015, 68, 453-464.	1.0	18
208	Vigilance impossible: Diligence, distraction, and daydreaming all lead to failures in a practical monitoring task. Consciousness and Cognition, 2015, 35, 33-41.	0.8	50

#	Article	IF	CITATIONS
209	40-second green roof views sustain attention: The role of micro-breaks in attention restoration. Journal of Environmental Psychology, 2015, 42, 182-189.	2.3	244
210	The Effect of Haptic Support Systems on Driver Performance: A Literature Survey. IEEE Transactions on Haptics, 2015, 8, 467-479.	1.8	91
211	A comparative study of input devices for digital slide navigation. Journal of Pathology Informatics, 2015, 6, 7.	0.8	18
212	Effects of Stereoscopic Depth on Vigilance Performance and Cerebral Hemodynamics. Human Factors, 2015, 57, 1063-1075.	2.1	20
213	Sustained Attention in Auditory and Visual Monitoring Tasks. Human Factors, 2015, 57, 1403-1416.	2.1	35
214	Building Resistance to Stress and Aging. , 2015, , .		0
215	Vigilance, boredom proneness and detection time of a malfunction in partially automated driving. , 2015, , .		14
216	The Effect of Vigil Length on Stress and Cognitive Fatigue. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 916-920.	0.2	0
217	The Effect of Perceived Choice on Performance, Workload, and Stress. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1037-1041.	0.2	2
218	Identifying Dimensions of Cyber Aptitude. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 721-725.	0.2	11
219	An examination of the association between chronic sleep restriction and electrocortical arousal in college students. Clinical Neurophysiology, 2015, 126, 549-557.	0.7	15
220	Frontal eye field involvement in sustaining visual attention: Evidence from transcranial magnetic stimulation. NeuroImage, 2015, 111, 542-548.	2.1	49
221	Impaired Vigilance Is Associated with Erectile Dysfunction in Patients with Sleep Apnea. Journal of Sexual Medicine, 2015, 12, 405-415.	0.3	14
222	A Resource-Control Account of Sustained Attention. Perspectives on Psychological Science, 2015, 10, 82-96.	5. 2	262
223	The effect of expert knowledge on medical search: medical experts have specialized abilities for detecting serious lesions. Psychological Research, 2015, 79, 729-738.	1.0	13
224	The effects of emotional stimuli on visuo-spatial vigilance. Psychological Research, 2015, 79, 861-871.	1.0	6
225	The effects of warning cues and attention-capturing stimuli on the sustained attention to response task. Experimental Brain Research, 2015, 233, 1061-1068.	0.7	14
226	Phenotyping of Neurobehavioral Vulnerability to Circadian Phase During Sleep Loss. Methods in Enzymology, 2015, 552, 285-308.	0.4	23

#	Article	IF	CITATIONS
227	Passive perceptual learning versus active searching in a novel stimuli vigilance task. Experimental Brain Research, 2015, 233, 1481-1489.	0.7	15
228	Investigating Mental Workload Changes in a Long Duration Supervisory Control Task. Interacting With Computers, 2015, 27, 512-520.	1.0	20
229	Neuroticism and vigilance revisited: A transcranial doppler investigation. Consciousness and Cognition, 2015, 36, 19-26.	0.8	10
230	Impact of a brief ego depletion procedure on creative behaviour in the upper primary classroom. Educational Psychology, 2015, 35, 328-340.	1.2	12
231	Great Expectations: Perceptual Challenges of Visual Surveillance in Lifeguarding. Applied Cognitive Psychology, 2015, 29, 425-435.	0.9	21
232	Patient Load Effects on Response Time to Critical Arrhythmias in Cardiac Telemetry. Critical Care Medicine, 2015, 43, 1036-1042.	0.4	12
233	The effects of self-control on cognitive resource allocation during sustained attention: a transcranial Doppler investigation. Experimental Brain Research, 2015, 233, 2215-2223.	0.7	7
234	Mindfulness-Based Mental Training in a High-Performance Combat Aviation Population: A One-Year Intervention Study and Two-Year Follow-Up. The International Journal of Aviation Psychology, 2015, 25, 48-61.	0.7	28
235	Automation management., 2015,, 243-268.		4
236	Task disengagement and implications for vigilance performance in CCTV surveillance. Cognition, Technology and Work, 2015, 17, 121-130.	1.7	16
237	The Effects of Eight-Month Physical Activity Intervention on Vigilance Performance in Adult Obese Population. Journal of Motor Behavior, 2015, 47, 476-482.	0.5	6
238	Limitations on visual information processing in the sleep-deprived brain and their underlying mechanisms. Current Opinion in Behavioral Sciences, 2015, 1, 56-63.	2.0	22
239	Information processing., 2015, , 11-75.		1
240	Reducing the vigilance decrement: The effects of perceptual variability. Consciousness and Cognition, 2015, 33, 386-397.	0.8	20
241	The effect of methylphenidate on sustained attention among adolescents with attention-deficit hyperactivity disorder. Neurocase, 2015, 21, 802-808.	0.2	5
242	Examining the relationship between skilled music training and attention. Consciousness and Cognition, 2015, 36, 169-179.	0.8	32
243	Individual differences in the experience of cognitive workload. Theoretical Issues in Ergonomics Science, 2015, 16, 20-52.	1.0	34
244	Rest is best: The role of rest and task interruptions on vigilance. Cognition, 2015, 134, 165-173.	1.1	151

#	Article	IF	Citations
245	Neuromodulation Research and Application in the U.S. Department of Defense. Brain Stimulation, 2015, 8, 247-252.	0.7	7
247	Proximate and Ultimate Causes of Ego Depletion. , 2016, , 373-398.		11
248	The Effect of EMU Driver Operating Time on Professional Psychological Quality. Periodica Polytechnica Transportation Engineering, 2016, 44, 235-243.	0.7	0
249	Counteracting Fatigue in Multiple Sclerosis with Right Parietal Anodal Transcranial Direct Current Stimulation. Frontiers in Neurology, 2016, 7, 154.	1.1	41
250	Benefits of Instructed Responding in Manual Assembly Tasks: An ERP Approach. Frontiers in Human Neuroscience, 2016, 10, 171.	1.0	10
251	EEG and Eye Tracking Demonstrate Vigilance Enhancement with Challenge Integration. Frontiers in Human Neuroscience, 2016, 10, 273.	1.0	52
252	The Impairing Effect of Mental Fatigue on Visual Sustained Attention under Monotonous Multi-Object Visual Attention Task in Long Durations: An Event-Related Potential Based Study. PLoS ONE, 2016, 11, e0163360.	1.1	41
253	Influences of Task Management Strategy on Performance and Workload for Supervisory Control. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 856-860.	0.2	0
254	Anticipation of Monetary Reward Can Attenuate the Vigilance Decrement. PLoS ONE, 2016, 11, e0159741.	1.1	41
255	Cognitive Fatigue Influences Time-On-Task during Bodyweight Resistance Training Exercise. Frontiers in Physiology, 2016, 7, 373.	1.3	21
256	Operationalizing Heedful Interrelating: How Attending, Responding, and Feeling Comprise Coordinating and Predict Performance in Self-Managing Teams. Frontiers in Psychology, 2016, 7, 362.	1,1	7
257	Monitoring Alpha Oscillations and Pupil Dilation across a Performance-Intensity Function. Frontiers in Psychology, 2016, 7, 745.	1.1	59
258	Temporal Characteristics of Radiologists' and Novices' Lesion Detection in Viewing Medical Images Presented Rapidly and Sequentially. Frontiers in Psychology, 2016, 7, 1553.	1.1	7
259	43-4: Revisiting Lighting Standards for Critical Viewing Tasks. Digest of Technical Papers SID International Symposium, 2016, 47, 588-591.	0.1	0
260	Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. Lecture Notes in Computer Science, 2016, , .	1.0	1
261	Differences in Sustained Attention Capacity as a Function of Aerobic Fitness. Medicine and Science in Sports and Exercise, 2016, 48, 887-895.	0.2	38
262	The effect of slightly warm temperature on work performance and comfort in open-plan offices - a laboratory study. Indoor Air, 2016, 26, 286-297.	2.0	54
263	Acceptance of Self-driving Cars. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1449-1453.	0.2	97

#	Article	IF	CITATIONS
265	African Penguin tolerance to humans depends on historical exposure at colony level. Bird Conservation International, 2016, 26, 307-322.	0.7	16
266	Modulating rest-break length induces differential recruitment of automatic and controlled attentional processes upon task reengagement. Neurolmage, 2016, 134, 64-73.	2.1	31
267	The role of time on task in multi-task management Journal of Applied Research in Memory and Cognition, 2016, 5, 176-184.	0.7	18
268	Validation of the Japanese Version of the Body Vigilance Scale. Psychological Reports, 2016, 118, 918-936.	0.9	2
269	A critical examination of the evidence for sensitivity loss in modern vigilance tasks Psychological Review, 2016, 123, 70-83.	2.7	63
270	Driving performance and EEG fluctuations during on-the-road driving following sleep deprivation. Biological Psychology, 2016, 121, 1-11.	1.1	52
271	The effects of time pressure on driver performance and physiological activity: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 41, 150-169.	1.8	80
272	Rewards boost sustained attention through higher effort: A value-based decision making approach. Biological Psychology, 2016, 120, 21-27.	1.1	70
273	Everyday Life Cognitive Instability Predicts Simple Reaction Time Variability: Analysis of Reaction Time Distributions and Delta Plots. Applied Cognitive Psychology, 2016, 30, 92-102.	0.9	22
274	Modulating Reward Induces Differential Neurocognitive Approaches to Sustained Attention. Cerebral Cortex, 2017, 27, 4022-4032.	1.6	31
275	Effects of Social Facilitation on Perceived Workload, Subjective Stress, and Vigilance-Related Anxiety. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1169-1173.	0.2	4
276	Addressing Human Factors Gaps in Cyber Defense. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 770-773.	0.2	25
278	Display and Visualization Methods in Extreme Environments - Spaceship Cockpits. , 2016, , .		0
279	Quantifying Phishing Susceptibility for Detection and Behavior Decisions. Human Factors, 2016, 58, 1158-1172.	2.1	83
280	A Walk Down the Lane Gives Wings to Your Brain. Restorative Benefits of Rest Breaks on Cognition and Selfâ€Control. Applied Cognitive Psychology, 2016, 30, 795-805.	0.9	35
281	Evidence for social cooperation in rodents by automated maze. Scientific Reports, 2016, 6, 29517.	1.6	15
282	Vom Fahrer zum Denker und Teilzeitlenker. , 2016, , .		7
283	Alarm handling for health monitoring: Operator strategies used in an electrical control room of a rail network. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 1415-1428.	1.3	5

#	Article	IF	Citations
284	Examining Measures of Mental Workload Across Cognitive- and Sensory-Based Vigilance Tasks. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1168-1168.	0.2	1
285	The Rodent Psychomotor Vigilance Test (rPVT): A Method for Assessing Neurobehavioral Performance in Rats and Mice. Journal of Visualized Experiments, 2016, , .	0.2	4
286	Performance in Vigilance Tasks is Related to Both State and Contextual Motivation. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1145-1149.	0.2	3
287	Targeting alertness to improve cognition in older adults: A preliminary report of benefits in executive function and skill acquisition. Cortex, 2016, 82, 100-118.	1.1	26
288	Multidimensional Profiling of Task Stress States for Human Factors. Human Factors, 2016, 58, 801-813.	2.1	53
289	Humans and Intelligent Vehicles: The Hope, the Help, and the Harm. IEEE Transactions on Intelligent Vehicles, 2016, 1, 56-67.	9.4	36
290	Detection tasks in nuclear power plant operation: Vigilance decrement and physiological workload monitoring. Safety Science, 2016, 88, 97-107.	2.6	51
291	The Independence and Interdependence of Coacting Observers in Regard to Performance Efficiency, Workload, and Stress in a Vigilance Task. Human Factors, 2016, 58, 915-926.	2.1	20
292	Maintaining foveal fixation during a peripheral detection task. Lighting Research and Technology, 2016, 48, 898-909.	1.2	8
293	Cerebral hemovelocity reveals differential resource allocation strategies for extraverts and introverts during vigilance. Experimental Brain Research, 2016, 234, 577-585.	0.7	15
294	The Effects of Varying Break Length on Attention and Time on Task. Human Factors, 2016, 58, 472-481.	2.1	44
295	Individual Differences in the Assessment of Cognitive Workload. Evolutionary Economics and Social Complexity Science, 2016, , 69-76.	0.4	0
296	Boredom in the Workplace. Human Factors, 2016, 58, 279-300.	2.1	107
297	Perceptions of time at work. Personnel Review, 2016, 45, 29-50.	1.6	9
298	Auditory and visual sustained attention in Down syndrome. Research in Developmental Disabilities, 2016, 53-54, 135-146.	1.2	13
299	Hazard prediction discriminates between novice and experienced drivers. Accident Analysis and Prevention, 2016, 86, 47-58.	3.0	136
300	A rodent model of the human psychomotor vigilance test: Performance comparisons. Journal of Neuroscience Methods, 2016, 259, 57-71.	1.3	10
302	When and Why Threats Go Undetected. Human Factors, 2016, 58, 218-228.	2.1	38

#	Article	IF	CITATIONS
303	A neuromarker of sustained attention from whole-brain functional connectivity. Nature Neuroscience, 2016, 19, 165-171.	7.1	833
304	To delegate or not to delegate: A review of control frameworks for autonomous cars. Applied Ergonomics, 2016, 53, 383-388.	1.7	38
305	Disrupting monotony while increasing demand: benefits of rest and intervening tasks on vigilance. Psychological Research, 2017, 81, 432-444.	1.0	27
306	Risk factors and visual fatigue of baggage X-ray security screeners: a structural equation modelling analysis. Ergonomics, 2017, 60, 680-691.	1.1	12
307	Pre-cooling moderately enhances visual discrimination during exercise in the heat. Journal of Sports Sciences, 2017, 35, 355-360.	1.0	14
308	An individual differences approach to multiple-target visual search errors: How search errors relate to different characteristics of attention. Vision Research, 2017, 141, 258-265.	0.7	20
309	Dynamic Self-Regulation and Multiple-Goal Pursuit. Annual Review of Organizational Psychology and Organizational Behavior, 2017, 4, 401-423.	5.6	106
310	Between Two Worlds. Human Factors, 2017, 59, 28-34.	2.1	4
311	A Multimodal System for Assessing Alertness Levels Due to Cognitive Loading. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1037-1046.	2.7	16
312	The effects of a mid-task break on the brain connectome in healthy participants: A resting-state functional MRI study. Neurolmage, 2017, 152, 19-30.	2.1	38
313	Recent theoretical, neural, and clinical advances in sustained attention research. Annals of the New York Academy of Sciences, 2017, 1396, 70-91.	1.8	172
314	Prevalence in Visual Search: From the Clinic to the Lab and Back Again. Japanese Psychological Research, 2017, 59, 65-108.	0.4	42
315	The Neuroergonomics of Vigilance. Human Factors, 2017, 59, 62-75.	2.1	21
317	Mental States in Aviation. Biosystems and Biorobotics, 2017, , 29-56.	0.2	4
318	Use of head-worn sensors to detect lapses in vigilance through the measurement of PERCLOS and cerebral blood flow velocity. Proceedings of SPIE, 2017, , .	0.8	1
319	Distinguishing the cognitive processes of mindfulness: Developing a standardised mindfulness technique for use in longitudinal randomised control trials. Consciousness and Cognition, 2017, 52, 75-92.	0.8	32
320	The moderating role of end-tidal CO 2 on upper trapezius muscle activity in response to sustained attention. International Journal of Industrial Ergonomics, 2017, 61, 1-12.	1.5	5
321	The Impact of Breaks on Sustained Attention in a Simulated, Semiâ€Automated Train Control Task. Applied Cognitive Psychology, 2017, 31, 351-359.	0.9	11

#	Article	IF	Citations
322	Effects of agent timing on the human-agent team. Cognitive Systems Research, 2017, 46, 40-51.	1.9	5
323	On the Nature of Vigilance. Human Factors, 2017, 59, 35-43.	2.1	56
324	Rest Is Still Best. Human Factors, 2017, 59, 91-100.	2.1	45
325	Task Engagement and Attentional Resources. Human Factors, 2017, 59, 44-61.	2.1	18
326	Examining social facilitation in vigilance: a hit and a miss. Ergonomics, 2017, 60, 1485-1499.	1.1	16
327	The relationship between cell phone use and management of driver fatigue: It's complicated. Journal of Safety Research, 2017, 61, 129-140.	1.7	13
328	Limited Cognitive Resources Explain a Trade-Off between Perceptual and Metacognitive Vigilance. Journal of Neuroscience, 2017, 37, 1213-1224.	1.7	30
329	Examining the Effects of a Novel Training Paradigm for Vigilance on Mental Workload and Stress. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1504-1508.	0.2	O
330	The Effects of Cycling on a Desk Bike on Attention, Retention and Mood during a Video Lecture. Applied Cognitive Psychology, 2017, 31, 593-603.	0.9	6
331	The out-of-the-loop Brain: A neuroergonomic approach of the human automation interaction. Annual Reviews in Control, 2017, 44, 303-315.	4.4	23
332	A Preliminary Study on the Influence of Automation over Mind Wandering Frequency in Sustained Attention. , 2017, , .		0
333	Transcranial direct current stimulation versus caffeine as a fatigue countermeasure. Brain Stimulation, 2017, 10, 1070-1078.	0.7	48
334	Binaural Beat Stimulation. , 2017, , 167-181.		3
335	Mobilizing cognition for speeded action: try-harder instructions promote motivated readiness in the constant-foreperiod paradigm. Psychological Research, 2017, 81, 1135-1151.	1.0	43
336	Analysis of cognitive fatigue using EEG parameters. , 2017, 2017, 2554-2557.		15
337	Training Techniques for Visual Search in Complex Task Environments. Human Factors, 2017, 59, 1139-1152.	2.1	8
338	Searching for Affective and Cognitive Restoration: Examining the Restorative Effects of Casual Video Game Play. Human Factors, 2017, 59, 1096-1107.	2.1	26
339	Toward Theoretical Techniques for Measuring the Use of Human Effort in Visual Analytic Systems. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 121-130.	2.9	15

#	Article	IF	Citations
340	Impact of three task demand factors on simulated unmanned system intelligence, surveillance, and reconnaissance operations. Ergonomics, 2017, 60, 791-809.	1.1	12
341	Transcranial Direct Current Stimulation (tDCS) Versus Caffeine to Sustain Wakefulness at Night When Dosing at Start-of-Shift. Advances in Intelligent Systems and Computing, 2017, , 157-172.	0.5	6
343	Effects of platooning on signal-detection performance, workload, and stress: A driving simulator study. Applied Ergonomics, 2017, 60, 116-127.	1.7	52
344	Stroboscopic vision and sustained attention during coincidence-anticipation. Scientific Reports, 2017, 7, 17898.	1.6	17
345	UAV Operator mental workload - A neurophysiological comparison of mental workload and vigilance. , 2017, , .		8
346	Effects of Alert Cue Specificity on Situation Awareness in Transfer of Control in Level 3 Automation. Transportation Research Record, 2017, 2663, 27-33.	1.0	17
347	Monitoring visual sustained attention with a low-cost EEG headset., 2017,,.		1
348	Effects of active and passive secondary tasks in a take-over situation during automated driving. , 2017, , .		7
349	Pre-stimulus antero-posterior EEG connectivity predicts performance in a UAV monitoring task. , 2017, , .		7
350	A Preliminary Study Examining Novel Training Paradigms for Vigilance. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1509-1513.	0.2	0
351	Prior Mental Fatigue Impairs Marksmanship Decision Performance. Frontiers in Physiology, 2017, 8, 680.	1.3	46
352	Transcranial Doppler Sonography Reveals Reductions in Hemispheric Asymmetry in Healthy Older Adults during Vigilance. Frontiers in Aging Neuroscience, 2017, 9, 21.	1.7	9
353	Reduced Attention Allocation during Short Periods of Partially Automated Driving: An Event-Related Potentials Study. Frontiers in Human Neuroscience, 2017, 11, 537.	1.0	17
354	Default Network Activity Is Associated with Better Performance in a Vigilance Task. Frontiers in Human Neuroscience, $2017, 11, 623$.	1.0	17
355	ICA-Derived EEG Correlates to Mental Fatigue, Effort, and Workload in a Realistically Simulated Air Traffic Control Task. Frontiers in Neuroscience, 2017, 11, 297.	1.4	51
356	Autopilot, Mind Wandering, and the Out of the Loop Performance Problem. Frontiers in Neuroscience, 2017, 11, 541.	1.4	25
357	Positive valence music restores executive control over sustained attention. PLoS ONE, 2017, 12, e0186231.	1.1	17
358	Driver Vigilance in Automated Vehicles: Investigating Hazard Detection Performance. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1369-1369.	0.2	0

#	Article	IF	CITATIONS
359	Distress and worry as mediators in the relationship between psychosocial risks and upper body musculoskeletal complaints in highly automated manufacturing. Ergonomics, 2018, 61, 1079-1093.	1.1	18
360	Driver Vigilance in Automated Vehicles: Hazard Detection Failures Are a Matter of Time. Human Factors, 2018, 60, 465-476.	2.1	94
361	Identification from CCTV: Assessing police superâ€recogniser ability to spot faces in a crowd and susceptibility to change blindness. Applied Cognitive Psychology, 2018, 32, 337-353.	0.9	25
362	The effect of cellphones on attention and learning: The influences of time, distraction, and nomophobia. Computers in Human Behavior, 2018, 86, 52-60.	5.1	143
363	Improving performance of repetitive computer-based tasks through visual stimuli tailored to the individual. Cognition, Technology and Work, 2018, 20, 153-161.	1.7	1
364	Functional Connectivity Analysis of Mental Fatigue Reveals Different Network Topological Alterations Between Driving and Vigilance Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 740-749.	2.7	108
365	Social Connectedness and Perceived Listening Effort in Adult Cochlear Implant Users: A Grounded Theory to Establish Content Validity for a New Patient-Reported Outcome Measure. Ear and Hearing, 2018, 39, 922-934.	1.0	86
366	Repeated Administration Effects on Psychomotor Vigilance Test Performance. Sleep, 2018, 41, .	0.6	80
367	Understanding mental workload: from a clarifying concept analysis toward an implementable framework. Cognition, Technology and Work, 2018, 20, 351-365.	1.7	65
368	Cognitive Aging and Long-Term Maintenance of Attentional Improvements Following Meditation Training. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2018, 2, 259-275.	0.8	37
369	Automation trust and attention allocation in multitasking workspace. Applied Ergonomics, 2018, 70, 194-201.	1.7	38
370	Effect of attention demand on upper trapezius muscle activity – A moderated mediation model. International Journal of Industrial Ergonomics, 2018, 66, 146-156.	1.5	5
371	Depth perception, dark adaptation, vigilance and accident proneness of Chinese coal mine workers. International Journal of Occupational Safety and Ergonomics, 2018, 24, 450-456.	1.1	9
372	Evidence for cognitive resource imbalance in adolescents with narcolepsy. Brain Imaging and Behavior, 2018, 12, 411-424.	1.1	22
373	Functional Equivalence of Sleep Loss and Time on Task Effects in Sustained Attention. Cognitive Science, 2018, 42, 600-632.	0.8	23
374	How Automation Level and System Reliability Influence Driver Performance in a Cut-In Situation. Advances in Intelligent Systems and Computing, 2018, , 684-694.	0.5	6
375	Evaluation of wearable immersive augmented reality technology in safety-critical systems. Safety Science, 2018, 103, 23-32.	2.6	36
376	Training for vigilance on the move: a video game-based paradigm for sustained attention. Ergonomics, 2018, 61, 482-505.	1.1	11

#	ARTICLE	IF	CITATIONS
377	External validity and factor structure of individual and group workload ratings. Theoretical Issues in Ergonomics Science, 2018, 19, 229-253.	1.0	3
378	Is Neuroergonomic Monitoring Non-Intrusive? An Examination of Transcranial Doppler Sonography. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1082-1082.	0.2	1
379	Electroencephalographic and skin temperature indices of vigilance and inhibitory control. Psicologica, 2018, 39, 223-260.	0.5	5
380	Looking at Mind Wandering During Driving Through the Windows of PCA and t-SNE. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1863-1867.	0.2	5
381	Functional brain network analysis reveals time-on-task related performance decline., 2018, 2018, 271-274.		2
382	Influence of automation on mind wandering frequency in sustained attention. Consciousness and Cognition, 2018, 66, 54-64.	0.8	18
383	Monitoring Pilot's Cognitive Fatigue with Engagement Features in Simulated and Actual Flight Conditions Using an Hybrid fNIRS-EEG Passive BCI., 2018,,.		62
384	The Role of Exercise-Induced Arousal and Exposure to Blue-Enriched Lighting on Vigilance. Frontiers in Human Neuroscience, 2018, 12, 499.	1.0	3
385	Classification and Review of Conceptual Frameworks for Commercial Single Pilot Operations. , 2018, , .		12
386	Screening China Emergency Medical Team (CEMT) Members: A Self-Leadership Perspective. Prehospital and Disaster Medicine, 2018, 33, 596-601.	0.7	3
387	Optimizing Cognitive Performance during Vigilance through Flow Enhancement. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1734-1738.	0.2	0
388	Counteracting the Slowdown of Reaction Times in a Vigilance Experiment With 40-Hz Transcranial Alternating Current Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2053-2061.	2.7	20
389	Cue Utilization Predicts Resource Allocation during Rail Control Simulations: A NIRS Study. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 726-730.	0.2	2
390	Examining the Role of Task Requirements in the Magnitude of the Vigilance Decrement. Frontiers in Psychology, 2018, 9, 1504.	1.1	17
391	Subcortical Brain Involvement Is Associated With Impaired Performance on the Psychomotor Vigilance Task After Minor Stroke. Neurorehabilitation and Neural Repair, 2018, 32, 999-1007.	1.4	6
392	Does the Vigilance Decrement Occur for Elementary Features?. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1267-1271.	0.2	1
393	Eliminating pain-induced risks of operator reliability via transcutaneous electroneurostimulation controlled by Patient's breathing. International Journal of Industrial Ergonomics, 2018, 68, 256-259.	1.5	9
394	Mind-wandering while driving: The impact of fatigue, task length, and sustained attention abilities. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 59, 81-97.	1.8	46

#	Article	IF	CITATIONS
395	Automation in visual inspection tasks: X-ray luggage screening supported by a system of direct, indirect or adaptable cueing with low and high system reliability. Ergonomics, 2018, 61, 1395-1408.	1.1	15
396	Executive and arousal vigilance decrement in the context of the attentional networks: The ANTI-Vea task. Journal of Neuroscience Methods, 2018, 306, 77-87.	1.3	41
397	Performance of an Additional Task During Level 2 Automated Driving: An On-Road Study Comparing Drivers With and Without Experience With Partial Automation. Human Factors, 2018, 60, 778-792.	2.1	25
398	Transcranial Direct Current Stimulation for Fatigue and Attentional Disorders. , 2018, , 1637-1648.		3
399	Positive Effects of Mindfulness-Based Training on Energy Maintenance and the EEG Correlates of Sustained Attention in a Cohort of Nurses. Frontiers in Human Neuroscience, 2018, 12, 80.	1.0	25
400	Inhibiting the Physiological Stress Effects of a Sustained Attention Task on Shoulder Muscle Activity. International Journal of Environmental Research and Public Health, 2018, 15, 115.	1.2	5
401	Assessing Operator Psychological States and Performance in UAS Operations. Lecture Notes in Computer Science, 2018, , 131-147.	1.0	3
402	Hacking the Human: The Prevalence Paradox in Cybersecurity. Human Factors, 2018, 60, 597-609.	2.1	47
403	Multitasking in the military: Cognitive consequences and potential solutions. Applied Cognitive Psychology, 2018, 32, 429-439.	0.9	22
404	Stroboscopic Vision When Interacting With Multiple Moving Objects: Perturbation Is Not the Same as Elimination. Frontiers in Psychology, 2018, 9, 1290.	1.1	15
405	Comparison of restâ€break interventions during a mentally demanding task. Stress and Health, 2018, 34, 629-638.	1.4	37
406	A pre/post evaluation of fatigue, stress and vigilance amongst commercially licensed truck drivers performing a prolonged driving task. International Journal of Occupational Safety and Ergonomics, 2019, 25, 344-354.	1.1	9
407	The Effects of Event Rate on a Cognitive Vigilance Task. Human Factors, 2019, 61, 440-450.	2.1	7
408	An investigation of the required vigilance for different occupations. Safety Science, 2019, 119, 353-359.	2.6	9
409	Are highly automated vehicles as useful as dishwashers?. Cogent Psychology, 2019, 6, .	0.6	10
410	Modeling the Relations Among Sustained Attention, Short-Term Memory, and Language in Down Syndrome. American Journal on Intellectual and Developmental Disabilities, 2019, 124, 293-308.	0.8	3
411	Vigilance Decrement and Enhancement Techniques: A Review. Brain Sciences, 2019, 9, 178.	1.1	45
412	Stochastic ordering of simulated rugby match activity produces reliable movements and associated measures of subjective task load, cognitive and neuromuscular function. Journal of Sports Sciences, 2019, 37, 2506-2512.	1.0	2

#	Article	IF	CITATIONS
413	Anticipated, experienced, and remembered subjective effort and discomfort on sustained attention versus working memory tasks. Consciousness and Cognition, 2019, 75, 102812.	0.8	4
414	The diagnosticity of psychophysiological signatures: Can we disentangle mental workload from acute stress with ECG and fNIRS?. International Journal of Psychophysiology, 2019, 146, 139-147.	0.5	26
415	Methods in Experimental Work Break Research: A Scoping Review. International Journal of Environmental Research and Public Health, 2019, 16, 3844.	1.2	11
416	Pace yourself: Neural activation and connectivity changes over time vary by task type and pacing. Brain and Cognition, 2019, 137, 103629.	0.8	2
417	Katherine Ludwig Jansen. Peace and Penance in Late Medieval Italy American Historical Review, 2019, 124, 1503-1504.	0.0	0
418	SVM-based Multi-classification for Detection of Vigilance Levels with Single-Channel EEG Signals. , 2019, , .		1
419	Estimating Cognitive Workload in an Interactive Virtual Reality Environment Using EEG. Frontiers in Human Neuroscience, 2019, 13, 401.	1.0	69
420	Nonâ€verbal mate retention behaviour in women and its relation to couple's relationship adjustment and satisfaction. Ethology, 2019, 125, 925-939.	0.5	4
421	Should We Approach Approach and Avoid Avoidance? An Inquiry from Different Levels. Psychological Inquiry, 2019, 30, 111-124.	0.4	33
422	A Hidden Markov Framework to Capture Human–Machine Interaction in Automated Vehicles. International Journal of Human-Computer Interaction, 2019, 35, 947-955.	3.3	24
423	The Abbreviated Vigilance Task and Its Attentional Contributors. Human Factors, 2019, 61, 426-439.	2.1	11
424	Operational Vigilance in Border Security: the Singapore Experience. Journal of Police and Criminal Psychology, 2019, 34, 330-339.	1.2	1
425	Modulating Applied Task Performance via Transcranial Electrical Stimulation. Frontiers in Human Neuroscience, 2019, 13, 140.	1.0	11
426	Sustained Attention to Science: A Tribute to the Life and Scholarship of Joel Warm. Human Factors, 2019, 61, 365-373.	2.1	1
427	Modulation of Event-related Potentials of Visual Discrimination by Meditation Training and Sustained Attention. Journal of Cognitive Neuroscience, 2019, 31, 1184-1204.	1.1	24
428	Sleep loss and impaired vigilant attention. , 2019, , 333-338.		0
429	Work design for airport security officers: Effects of rest break schedules and adaptable automation. Applied Ergonomics, 2019, 79, 66-75.	1.7	12
430	Task Engagement and the Vigilance Decrement Revisited: Expanding Upon the Work of Joel S. Warm Using a Semantic Vigilance Paradigm. Human Factors, 2019, 61, 462-473.	2.1	5

#	Article	IF	CITATIONS
431	The Role of Motivation as a Factor in Mental Fatigue. Human Factors, 2019, 61, 1171-1185.	2.1	57
432	Sustaining attention for a prolonged period of time increases temporal variability in cortical responses. Cortex, 2019, 117, 16-32.	1.1	32
433	Changes in physiological indices and deceleration behaviour as functions of braking demands and driver's physiological cluster. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 406-415.	1.8	7
434	Developing an Objective Indicator of Fatigue: An Alternative Mobile Version of the Psychomotor Vigilance Task (m-PVT). Communications in Computer and Information Science, 2019, , 49-71.	0.4	8
435	Computational Modeling of the Effects of Sleep Deprivation on the Vigilance Decrement. Human Factors, 2019, 61, 1099-1111.	2.1	7
436	Some promises in the pitfalls of automated and autonomous vehicles: A response to commentators. Ergonomics, 2019, 62, 514-520.	1.1	5
437	Unique Effects of Perceived Neighborhood Physical Disorder and Social Cohesion on Episodic Memory and Semantic Fluency. Archives of Clinical Neuropsychology, 2019, 34, 1346-1355.	0.3	26
438	Neural Mechanisms of Mental Fatigue Revisited: New Insights from the Brain Connectome. Engineering, 2019, 5, 276-286.	3.2	65
439	A cognitive brain–computer interface monitoring sustained attentional variations during a continuous task. Cognitive Neurodynamics, 2019, 13, 257-269.	2.3	36
440	Effects of Time on Task, Breaks, and Target Prevalence on Screener Performance in an X-ray Image Inspection Task. , 2019, , .		3
441	Task engagement as a mediator between the cognitive demands of sustained attention and musculoskeletal complaints: A structural equation modelling approach. Work, 2019, 64, 623-634.	0.6	0
442	Understanding Distress: An Examination of the Role of Stereotype Threat in Vigilance Tasks. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1541-1544.	0.2	1
443	Stress Linked to Reports of Simulator Sickness in Vigilance: A Factor Analysis of the SSSQ and the SSQ. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1527-1531.	0.2	3
444	The Dynamics of Attention Shifts Among Concurrent Speech in a Naturalistic Multi-speaker Virtual Environment. Frontiers in Human Neuroscience, 2019, 13, 386.	1.0	24
445	Theories of Vigilance and the Prospect of Cognitive Restoration. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1639-1643.	0.2	5
446	How do Individual Differences in Attention Control and Working Memory Capacity Relate to Monitoring Automation?. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1409-1413.	0.2	5
447	An Integrative Model of Effortful Control. Frontiers in Systems Neuroscience, 2019, 13, 79.	1.2	36
448	Cerebral hemovelocity and the vigilance decrement: Sample-level data may not represent individuals. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 194-195.	0.2	1

#	Article	IF	CITATIONS
449	A temporal analysis of safety drivers taking back control in public roadway automated driving trials. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1532-1536.	0.2	1
450	An Examination of Compensatory Effort in a Vigilance Task Using Transcranial Doppler Sonography. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1570-1574.	0.2	1
451	Neuroergonomics and Vigilance: Probing the Event-Related Cerebral Hemodynamic Response. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1674-1675.	0.2	2
452	Effects of physical activity on sustained attention: a systematic review. Scientia Medica, 2019, 29, 32864.	0.1	11
453	Less automation and full autonomy in aviation, dilemma or conundrum?., 2019,,.		2
454	Brain Connectivity Analysis Under Semantic Vigilance and Enhanced Mental States. Brain Sciences, 2019, 9, 363.	1.1	34
455	Vigilance Tasks: Unpleasant, Mentally Demanding, and Stressful Even When Time Flies. Human Factors, 2019, 61, 225-242.	2.1	13
456	Cusp catastrophe models for cognitive workload and fatigue in teams. Applied Ergonomics, 2019, 79, 152-168.	1.7	16
457	Why are we not flooded by involuntary thoughts about the past and future? Testing the cognitive inhibition dependency hypothesis. Psychological Research, 2019, 83, 666-683.	1.0	27
458	Human performance metrics for the nuclear domain: A tool for evaluating measures of workload, situation awareness and teamwork. International Journal of Industrial Ergonomics, 2019, 69, 217-227.	1.5	17
459	Automated driving reduces perceived workload, but monitoring causes higher cognitive load than manual driving. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 60, 590-605.	1.8	81
460	Transcranial Doppler sonography reveals sustained attention deficits in young adults diagnosed with ADHD. Experimental Brain Research, 2019, 237, 511-520.	0.7	3
461	Arbeitswelten der Logistik im Wandel $\hat{a}\in$ Gestaltung digitalisierter Arbeit im Kontext des Internet der Dinge und von Industrie 4.0. FOM-Edition, 2019, , 67-85.	0.1	5
462	Effects of age on attention level: changes in performance between the ages of 12 and 90. Aging, Neuropsychology, and Cognition, 2019, 26, 904-919.	0.7	6
463	The role of reward and effort over time in task switching. Theoretical Issues in Ergonomics Science, 2019, 20, 196-214.	1.0	9
464	Cold LED lighting affects visual but not acoustic vigilance. Building and Environment, 2019, 151, 148-155.	3.0	16
465	Electronic Performance Monitoring and sustained attention: Social facilitation for modern applications. Computers in Human Behavior, 2019, 94, 25-34.	5.1	10
466	Providing a Safe Environment in a Psychiatric Ward: Nurses and Vigilance in Iran. Issues in Mental Health Nursing, 2019, 40, 65-72.	0.6	5

#	Article	IF	Citations
467	Is Semantic Vigilance Impaired by Narrative Memory Demands? Theory and Applications. Human Factors, 2019, 61, 451-461.	2.1	6
468	Auditory spatial attention capture, disengagement, and response selection in normal aging. Attention, Perception, and Psychophysics, 2019, 81, 270-280.	0.7	7
469	Does Depleting Self-Control Result in Poorer Vigilance Performance?. Human Factors, 2019, 61, 415-425.	2.1	6
470	Vigilance and Automation Dependence in Operation of Multiple Unmanned Aerial Systems (UAS): A Simulation Study. Human Factors, 2019, 61, 488-505.	2.1	22
471	Driver Vigilance in Automated Vehicles: Effects of Demands on Hazard Detection Performance. Human Factors, 2019, 61, 474-487.	2.1	21
472	Estimation and quantification of vigilance using ERPs and eye blink rate with a fuzzy model-based approach. Cognition, Technology and Work, 2019, 21, 517-533.	1.7	9
473	Workload and Performance: Associations, Insensitivities, and Dissociations. Human Factors, 2019, 61, 374-392.	2.1	89
474	Information processing challenges and research directions in CCTV surveillance. Cognition, Technology and Work, 2019, 21, 487-496.	1.7	6
475	Where is my mind? Examining mind-wandering and vigilance performance. Experimental Brain Research, 2019, 237, 557-571.	0.7	8
476	Neural Oscillation Dynamics of Emerging Interest in Neuroergonomics. , 2019, , 87-91.		11
477	Situation awareness based on eye movements in relation to the task environment. Cognition, Technology and Work, 2019, 21, 99-111.	1.7	69
478	Cognitive status and repetitive working tasks of low risk. Safety Science, 2019, 119, 292-299.	2.6	2
479	Mindfulness As Metacognitive Practice. Academy of Management Review, 2019, 44, 405-423.	7.4	108
480	Sleep deprivation increases the costs of attentional effort: Performance, preference and pupil size. Neuropsychologia, 2019, 123, 169-177.	0.7	58
481	Dangerous intersections? A review of studies of fatigue and distraction in the automated vehicle. Accident Analysis and Prevention, 2019, 126, 85-94.	3.0	40
482	Motivational fatigue: A neurocognitive framework for the impact of effortful exertion on subsequent motivation. Neuropsychologia, 2019, 123, 141-151.	0.7	110
483	A human factors perspective on automated driving. Theoretical Issues in Ergonomics Science, 2019, 20, 223-249.	1.0	177
484	Moving Into the Loop: An Investigation of Drivers' Steering Behavior in Highly Automated Vehicles. Human Factors, 2020, 62, 671-683.	2.1	16

#	Article	IF	Citations
485	Sleep deprivation, vigilant attention, and brain function: a review. Neuropsychopharmacology, 2020, 45, 21-30.	2.8	165
486	Socially alerted cognition evoked by a confederate's mere presence: analysis of reaction-time distributions and delta plots. Psychological Research, 2020, 84, 1424-1439.	1.0	6
487	Dynamics of auditory spatial attention gradients. Cognition, 2020, 194, 104058.	1.1	1
488	Cue utilisation predicts control room operators' performance in a sustained visual search task. Ergonomics, 2020, 63, 48-60.	1.1	5
489	How demands and resources impact chronic fatigue in the maritime industry. The mediating effect of acute fatigue, sleep quality and recovery. Safety Science, 2020, 121, 362-372.	2.6	35
490	Automation trust increases under high-workload multitasking scenarios involving risk. Cognition, Technology and Work, 2020, 22, 399-407.	1.7	19
491	"l Don't Have to Think About Watching the Ground― A Qualitative Study Exploring the Concept of Vigilance as an Important Outcome for Ankle Reconstruction. Arthritis Care and Research, 2020, 72, 1367-1373.	1.5	8
492	Informal fatigue-related risk management in the emergency department: A trade-off between doing well and feeling well. Safety Science, 2020, 122, 104508.	2.6	3
493	The impact of drug order complexity on prospective medication order review and verification time. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 284-293.	2.2	3
494	Engaging the human operator: a review of the theoretical support for the vigilance decrement and a discussion of practical applications. Theoretical Issues in Ergonomics Science, 2020, 21, 239-258.	1.0	20
496	The influence of sunlight on taxi driver productivity. Journal of Business Research, 2020, 115, 456-468.	5.8	7
498	Effects of Rest-Break on Mental Fatigue Recovery Determined by a Novel Temporal Brain Network Analysis of Dynamic Functional Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 62-71.	2.7	17
499	Modulation of the Earliest Component of the Human VEP by Spatial Attention: An Investigation of Task Demands. Cerebral Cortex Communications, 2020, 1, tgaa045.	0.7	5
500	Measuring attention and vigilance in the laboratory vs. online: The split-half reliability of the ANTI-Vea. Behavior Research Methods, 2021, 53, 1124-1147.	2.3	20
501	Exploring the relationship between creativity and cyberloafing of prospective teachers. Thinking Skills and Creativity, 2020, 38, 100724.	1.9	15
502	Education, Implementation, and Teams: 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. Circulation, 2020, 142, S222-S283.	1.6	97
503	EEG-Based Semantic Vigilance Level Classification Using Directed Connectivity Patterns and Graph Theory Analysis. IEEE Access, 2020, 8, 115941-115956.	2.6	26
504	Body Reprogramming: Reframing the Fibromyalgia narrative and providing an integrative therapeutic model. Health Psychology Open, 2020, 7, 205510292097149.	0.7	2

#	Article	IF	CITATIONS
506	Tactile Vigilance Is Stressful and Demanding. Human Factors, 2022, 64, 732-745.	2.1	5
507	Doing More With Less: Interactive Effects of Cognitive Resources and Mindfulness Training in Coping With Mental Fatigue From Multitasking. Journal of Management, 2022, 48, 410-439.	6. 3	19
508	The thermodynamic brain and the evolution of intellect: the role of mental energy. Cognitive Neurodynamics, 2020, 14, 743-756.	2.3	15
509	Mental fatigue impairs physical activity, technical and decision-making performance during small-sided games. PLoS ONE, 2020, 15, e0238461.	1.1	49
510	Distractions in the Operating Room. Current Anesthesiology Reports, 2020, 10, 456-462.	0.9	1
511	Underground Metro Drivers: Occupational Problems and Job Satisfaction. Urban Rail Transit, 2020, 6, 171-184.	0.9	4
512	Effects of fatigue on attention and vigilance as measured with a modified attention network test. Experimental Brain Research, 2020, 238, 2507-2519.	0.7	7
513	The effect of sleep-need and time-on-task on driver fatigue. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 74, 15-29.	1.8	18
514	Decreased Functional Connectivity Between the Right Precuneus and Middle Frontal Gyrus Is Related to Attentional Decline Following Acute Sleep Deprivation. Frontiers in Neuroscience, 2020, 14, 530257.	1.4	21
515	Towards Mindless Stress Regulation in Advanced Driver Assistance Systems: A Systematic Review. Frontiers in Psychology, 2020, 11, 609124.	1.1	9
516	Effectiveness of yellow color guardrail belt at freeway exits. Accident Analysis and Prevention, 2020, 146, 105737.	3.0	6
517	The Trait Approach. , 2020, , 31-43.		0
518	Accuracy in Person Perception. , 2020, , 44-55.		1
519	Models of Personality Structure. , 2020, , 115-128.		0
520	The Five-Factor Model of Personality: Consensus and Controversy. , 2020, , 129-141.		2
521	Temperament and Brain Networks of Attention. , 2020, , 155-168.		2
522	Personality in Nonhuman Animals. , 2020, , 235-246.		0
523	Genetics of Personality., 2020, , 247-258.		0

#	Article	IF	CITATIONS
524	Approach–Avoidance Theories of Personality. , 2020, , 259-272.		1
525	Cognitive Processes and Models. , 2020, , 295-315.		0
526	Basic Needs, Goals and Motivation. , 2020, , 330-338.		1
527	Personality and the Self., 2020, , 339-351.		6
528	Social Relations and Social Support. , 2020, , 386-399.		0
529	Personality and Politics., 2020, , 413-424.		1
530	Personality at Work. , 2020, , 427-438.		2
532	Personality in Clinical Psychology. , 2020, , 451-462.		0
534	Conceptual and Historical Perspectives. , 2020, , 13-30.		3
535	Personality and the Unconscious. , 2020, , 69-80.		0
536	Personality and Emotion., 2020,, 81-100.		8
537	Personality Assessment Methods. , 2020, , 103-114.		0
538	Personality and Intelligence. , 2020, , 142-152.		0
539	Development of Personality across the Life Span., 2020,, 169-182.		3
540	Personality Traits and Mental Disorders. , 2020, , 183-192.		0
541	Attachment Theory. , 2020, , 208-220.		0
542	Evolutionary Personality Psychology. , 2020, , 223-234.		4
543	Personality Neuroscience., 2020,, 273-292.		5

#	Article	IF	CITATIONS
544	Self-Regulation and Control in Personality Functioning. , 2020, , 316-329.		0
545	Traits and Dynamic Processes. , 2020, , 352-363.		0
546	Anxiety, Depression and Cognitive Dysfunction. , 2020, , 364-374.		0
547	Personality in Cross-Cultural Perspective. , 2020, , 400-412.		1
548	Personality, Preferences and Socioeconomic Behavior. , 2020, , 477-494.		2
550	States and Situations, Traits and Environments. , 2020, , 56-68.		1
551	Narrative Identity in the Social World. , 2020, , 377-385.		0
552	Personality and Crime., 2020, , 463-476.		0
553	Models of Physical Health and Personality. , 2020, , 193-207.		2
555	Occupational Heat Stress, Thermal Comfort, and Cognitive Performance in the OR: An Integrative Review. AORN Journal, 2020, 111, 536-545.	0.2	11
556	Is Physiobehavioral Monitoring Nonintrusive? An Examination of Transcranial Doppler Sonography in a Vigilance Task. Human Factors, 2020, 63, 001872082092011.	2.1	2
557	Driver trust & Driver	2.6	36
558	The Metronome Counting Task for measuring meta-awareness. Behavior Research Methods, 2020, 52, 2646-2656.	2.3	2
559	Sleep disturbance and cognitive functioning among firefighters. Journal of Health Psychology, 2021, 26, 2248-2259.	1.3	27
560	Design for cognitive support., 2020,, 227-250.		0
561	RADAR: automated task planning for proactive decision support. Human-Computer Interaction, 2020, 35, 387-412.	3.1	8
562	Accurate Vigilance Detection During Gait by Using Movement Artifact Removal. IEEE Access, 2020, 8, 51179-51188.	2.6	6
563	Achieving Resilient In-Flight Performance for Advanced Air Mobility through Simplified Vehicle Operations., 2020,,.		18

#	Article	IF	CITATIONS
564	EEG Functional Connectivity Predicts Individual Behavioural Impairment During Mental Fatigue. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2080-2089.	2.7	14
565	Neurophysiological Vigilance Characterisation and Assessment: Laboratory and Realistic Validations Involving Professional Air Traffic Controllers. Brain Sciences, 2020, 10, 48.	1.1	19
566	A High-Definition tDCS and EEG study on attention and vigilance: Brain stimulation mitigates the executive but not the arousal vigilance decrement. Neuropsychologia, 2020, 142, 107447.	0.7	36
567	Closed-Loop Attention Restoration Theory for Virtual Reality-Based Attentional Engagement Enhancement. Sensors, 2020, 20, 2208.	2.1	15
568	Applying Control Abstraction to the Design of Human–Agent Teams. Systems, 2020, 8, 10.	1.2	4
569	Effects of 8-Weeks Concurrent Strength and Aerobic Training on Body Composition, Physiological and Cognitive Performance in Older Adult Women. Sustainability, 2020, 12, 1944.	1.6	2
570	Measurement and identification of mental workload during simulated computer tasks with multimodal methods and machine learning. Ergonomics, 2020, 63, 896-908.	1.1	49
571	EEG Coherence Metrics for Vigilance: Sensitivity to Workload, Time-on-Task, and Individual Differences. Applied Psychophysiology Biofeedback, 2020, 45, 183-194.	1.0	6
572	Prompting future events: Effects of temporal cueing and time on task on brain preparation to action. Brain and Cognition, 2020, 141, 105565.	0.8	13
573	Enhanced Attention Using Head-mounted Virtual Reality. Journal of Cognitive Neuroscience, 2020, 32, 1438-1454.	1.1	31
574	Restoring Attentional Resources With Nature: A Replication Study of Berto's (2005) Paradigm Including Commentary From Dr. Rita Berto. Human Factors, 2020, 63, 001872082090928.	2.1	13
575	Months of monotony – moments of mayhem: Planning for the human role in a transitioning world of work. Theoretical Issues in Ergonomics Science, 2021, 22, 63-82.	1.0	7
576	Stress states, personality and cognitive functioning: A review of research with the Dundee Stress State Questionnaire. Personality and Individual Differences, 2021, 169, 110083.	1.6	14
577	Investigating Student Sustained Attention in a Guided Inquiry Lecture Course Using an Eye Tracker. Educational Psychology Review, 2021, 33, 11-26.	5.1	13
578	Effects of Midfrontal Brain Stimulation on Sustained Attention. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2021, 5, 62-72.	0.8	2
579	The manual shift in phase: the impact of circadian phase on semi-autonomous driving. What can we learn from current understanding in manual driving?. Theoretical Issues in Ergonomics Science, 2021, 22, 103-123.	1.0	4
580	A Computational Model of Focused Attention Meditation and Its Transfer to a Sustained Attention Task. IEEE Transactions on Affective Computing, 2021, 12, 329-339.	5.7	19
581	The Role of the Prefrontal Cortex and Functional Connectivity during Maritime Operations: An fNIRS study. Brain and Behavior, 2021, 11, e01910.	1.0	22

#	Article	IF	CITATIONS
582	Common principles underlie the fluctuation of auditory and visual sustained attention. Quarterly Journal of Experimental Psychology, 2021, 74, 705-715.	0.6	7
583	The metronome response task for measuring mind wandering: Replication attempt and extension of three studies by Seli et al. Attention, Perception, and Psychophysics, 2021, 83, 315-330.	0.7	12
584	European Respiratory Society statement on sleep apnoea, sleepiness and driving risk. European Respiratory Journal, 2021, 57, 2001272.	3.1	48
585	Driving performance, sleepiness, fatigue, and mental workload throughout the time course of semiâ€automated drivingâ€"Experimental data from the driving simulator. Human Factors and Ergonomics in Manufacturing, 2021, 31, 143-154.	1.4	9
586	The development and validation of a short-duration sustained visual search task for process control environments. Applied Ergonomics, 2021, 91, 103302.	1.7	0
587	Mid-Task Physical Exercise Keeps Your Mind Vigilant: Evidences From Behavioral Performance and EEG Functional Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 31-40.	2.7	10
588	The effects of carbon dioxide exposure concentrations on human vigilance and sentiment in an enclosed workplace environment. Indoor Air, 2021, 31, 467-479.	2.0	13
589	The ANT Executive Control Index: No Evidence for Temporal Decrement. Human Factors, 2021, 63, 254-273.	2.1	6
590	Mensch-Technik-Kooperation und Fahrzeuginnenraum., 2021,, 1161-1249.		0
591	The thermodynamics of cognition: A mathematical treatment. Computational and Structural Biotechnology Journal, 2021, 19, 784-793.	1.9	6
592	The Physiological and Perceptual Effects of Stochastic Simulated Rugby League Match Play. International Journal of Sports Physiology and Performance, 2021, 16, 73-79.	1.1	1
593	The effects of intrinsic motivation on mental fatigue. PLoS ONE, 2021, 16, e0243754.	1.1	37
594	During vigilance to painful stimuli: slower response rate is related to high trait anxiety, whereas faster response rate is related to high state anxiety. Journal of Neurophysiology, 2021, 125, 305-319.	0.9	5
595	The ANTI-Vea task: analyzing the executive and arousal vigilance decrements while measuring the three attentional networks. Psicologica, 2021, 42, 1-26.	0.5	10
596	Cognitive State Analysis, Understanding, and Decoding from the Perspective of Brain Connectivity., 2021, , 1-35.		0
597	Comparing the Sensitivity of Workload Measures for Different Task Types Using Nuclear Power Plant Main Control Room Simulators. Lecture Notes in Networks and Systems, 2021, , 161-170.	0.5	0
598	Does attention solve the "apples-and-oranges―problems of judging task difficulty and task order?. Psychological Research, 2021, 85, 3040-3047.	1.0	1
600	Age differences in sustained attention tasks: A meta-analysis. Psychonomic Bulletin and Review, 2021, 28, 1755-1775.	1.4	38

#	Article	IF	CITATIONS
601	Silence in the psychotherapy of adolescents with borderline personality pathology. Personality Disorders: Theory, Research, and Treatment, 2021, 12, 160-170.	1.0	9
602	Sitting with it: An investigation of the relationship between trait mindfulness and sustained attention. Consciousness and Cognition, 2021, 90, 103101.	0.8	6
603	Endurance in extreme work environments. Organizational Psychology Review, 2021, 11, 343-364.	3.0	6
604	Quantifying Cognitive Impairment After Sleep Deprivation at Different Times of Day: A Proof of Concept Using Ultra-Short Smartphone-Based Tests. Frontiers in Behavioral Neuroscience, 2021, 15, 666146.	1.0	14
605	Performance, Hemodynamics, and Stress in a Two-Day Vigilance Task: Practical and Theoretical Implications. Human Factors, 2023, 65, 212-226.	2.1	2
606	Neural signatures of vigilance decrements predict behavioural errors before they occur. ELife, 2021, 10, .	2.8	14
607	Attention Drifting In and Out: The Boredom Feedback Model. Personality and Social Psychology Review, 2021, 25, 251-272.	3.4	32
609	The effect of binaural beat stimulation on sustained attention. Psychological Research, 2022, 86, 808-822.	1.0	7
610	The medical pause: Importance, processes and training. Medical Education, 2021, 55, 1152-1160.	1.1	12
611	Examining the effects of goal-setting, feedback, and incentives on sustained attention Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 869-891.	0.7	9
612	Vigilance in Cardiac Telemetry Monitoring: Performance Outcomes and Effects on Operators' Cognitive and Affective States. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2021, 10, 223-228.	0.2	1
613	Modeling motivation using goal competition in mental fatigue studies. Journal of Mathematical Psychology, 2021, 102, 102540.	1.0	7
614	Computer-Aided Detection False Positives in Colonoscopy. Diagnostics, 2021, 11, 1113.	1.3	4
615	Disruptions of Sustained Spatial Attention Can Be Resistant to the Distractor's Prior Reward Associations. Frontiers in Human Neuroscience, 2021, 15, 666731.	1.0	0
616	EEG Based Evaluation of Examination Stress and Test Anxiety Among College Students. Irbm, 2022, 43, 349-361.	3.7	18
617	Changes in Subjective Motivation and Effort During Sleep Restriction Moderate Interindividual Differences in Attentional Performance in Healthy Young Men. Nature and Science of Sleep, 2021, Volume 13, 1117-1136.	1.4	5
619	Feeling Socially Connected and Focusing on Growth: Relationships With Wellbeing During a Major Holiday in the COVID-19 Pandemic. Frontiers in Psychology, 2021, 12, 710491.	1.1	3
621	Joint effect of defocus blur and spatial attention. Vision Research, 2021, 185, 88-97.	0.7	3

#	Article	IF	CITATIONS
622	Usability and Effectiveness of Immersive Virtual Grocery Shopping for Assessing Cognitive Fatigue in Healthy Controls: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e28073.	0.5	0
623	Near-Perfect Automation: Investigating Performance, Trust, and Visual Attention Allocation. Human Factors, 2023, 65, 546-561.	2.1	9
624	â€~I need a break': the effect of choice of rest break duration on vigilance. Ergonomics, 2021, 64, 1509-1521.	1.1	1
625	Neural signatures of attentional engagement during narratives and its consequences for event memory. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	48
626	Generalized Deep Learning EEG Models for Cross-Participant and Cross-Task Detection of the Vigilance Decrement in Sustained Attention Tasks. Sensors, 2021, 21, 5617.	2.1	6
627	Auditory spatial attention gradients and cognitive control as a function of vigilance. Psychophysiology, 2021, 58, e13903.	1.2	1
628	Sleepiness Behind the Wheel and the Implementation of European Driving Regulations. Sleep Medicine Clinics, 2021, 16, 533-543.	1.2	1
629	Effects of automation trust in drivers' visual distraction during automation. PLoS ONE, 2021, 16, e0257201.	1.1	3
630	Effect of Remote Cardiac Monitoring System Design on Response Time to Critical Arrhythmias. Simulation in Healthcare, 2021, Publish Ahead of Print, .	0.7	0
631	The effect of cue utilization in driving on response inhibition. Applied Cognitive Psychology, 2021, 35, 1466-1477.	0.9	O
632	Psychometric Curves Reveal Three Mechanisms of Vigilance Decrement. Psychological Science, 2021, 32, 1675-1683.	1.8	10
633	Driver Monitoring Systems: Perceived Fairness of Consequences when Distractions are Detected. , 2021, , .		1
634	The Acute Readiness Monitoring Scale: Assessing Predictive and Concurrent Validation. Frontiers in Psychology, 2021, 12, 738519.	1.1	4
635	Public-private differences in incentive structures: a laboratory experiment on work motivation and performance. International Public Management Journal, 2021, 24, 183-202.	1.2	1
636	Influencing Human Escape Maneuvers With Perceptual Cues in the Presence of a Visual Task. IEEE Transactions on Human-Machine Systems, 2021, , 1-10.	2.5	0
637	Effects of Autonomous sUAS Separation Methods on Subjective Workload, Situation Awareness, and Trust., 2021,,.		8
638	Mental Workload Monitoring: New Perspectives from Neuroscience. Communications in Computer and Information Science, 2019, , 3-19.	0.4	13
639	Opening Up Meditation for Science: The Development of a Meditation Classification System. Studies in Neuroscience, Consciousness and Spirituality, 2014, , 137-152.	0.2	16

#	Article	IF	CITATIONS
640	Does the Presence of Social Agents Improve Cognitive Performance on a Vigilance Task?. Lecture Notes in Computer Science, 2015, , 421-430.	1.0	6
641	Considerations in Physiological Metric Selection for Online Detection of Operator State: A Case Study. Lecture Notes in Computer Science, 2016, , 428-439.	1.0	5
642	Moving Vigilance Out of the Laboratory: Dynamic Scenarios for UAS Operator Vigilance Training. Lecture Notes in Computer Science, 2017, , 20-35.	1.0	4
643	Nonvisual Effects of Led Coloured Ambient Lighting on Well-Being and Cardiac Reactivity: Preliminary Findings. Lecture Notes in Computer Science, 2011, , 159-167.	1.0	3
644	Implementation of fNIRS for Monitoring Levels of Expertise and Mental Workload. Lecture Notes in Computer Science, 2011, , 13-22.	1.0	41
645	Aufmerksamkeit. , 2017, , 103-151.		9
646	Der Mensch als Fahrer., 2015,, 67-162.		5
648	Personality and emotion., 0,, 54-71.		35
649	The development of personality across the lifespan. , 0, , 191-204.		71
650	Self-regulation and control in personality functioning. , 0, , 427-440.		53
651	Personality in cross-cultural perspective. , 0, , 556-576.		48
652	Personality at work. , 0, , 748-763.		7
654	Hard to Resist?. Journal of Media Psychology, 2019, 31, 214-225.	0.7	28
655	Examining the interplay of micro-break durations and activities for employee recovery: A mixed-methods investigation Journal of Occupational Health Psychology, 2020, 25, 126-142.	2.3	32
656	Mind wandering during lectures I: Changes in rates across an entire semester Scholarship of Teaching and Learning in Psychology, 2016, 2, 13-32.	0.9	35
657	Using memory for prior aircraft events to detect conflicts under conditions of proactive air traffic control and with concurrent task requirements Journal of Experimental Psychology: Applied, 2016, 22, 211-224.	0.9	6
658	Individual differences in search and monitoring for color targets in dynamic visual displays Journal of Experimental Psychology: Applied, 2018, 24, 564-577.	0.9	14
659	Can vigilance tasks be administered online? A replication and discussion Journal of Experimental Psychology: Human Perception and Performance, 2018, 44, 1348-1355.	0.7	9

#	Article	IF	CITATIONS
660	Autopilots in the Operating Room. Anesthesiology, 2020, 133, 653-665.	1.3	20
661	Internet Use during Anesthesia Care. Anesthesiology, 2012, 117, 1156-1158.	1.3	16
662	Intraoperative Non–Record-keeping Usage of Anesthesia Information Management System Workstations and Associated Hemodynamic Variability and Aberrancies. Anesthesiology, 2012, 117, 1184-1189.	1.3	11
666	Investigating the Effects of Mild Induced Hypothermia on Cognition using a Measure of Sustained Attention. Open Access Journal of Science and Technology, 2015, 3, .	0.2	1
667	Checklist Design Reconsidered: Understanding Checklist Compliance and Timing of Interactions. , 2020, 2020, .		6
668	Static and Dynamic Discriminations in Vigilance. Advances in Human Factors and Ergonomics Series, 2010, , 80-90.	0.2	3
669	The Vigilance Decrement in Executive Function Is Attenuated When Individual Chronotypes Perform at Their Optimal Time of Day. PLoS ONE, 2014, 9, e88820.	1.1	75
670	Towards a Near Infrared Spectroscopy-Based Estimation of Operator Attentional State. PLoS ONE, 2014, 9, e92045.	1.1	39
671	Applications of EEG indices for the quantification of human cognitive performance: A systematic review and bibliometric analysis. PLoS ONE, 2020, 15, e0242857.	1.1	47
672	Sustained Attention Ability Affects Simple Picture Naming. Collabra: Psychology, 2017, 3, .	0.9	4
673	Examining How Breakdowns in Pilot Monitoring of the Aircraft Flight Path. International Journal of Aviation, Aeronautics, and Aerospace, 0, , .	0.3	4
674	lt's Out of Our Hands Now! Effects of Non-Driving Related Tasks During Highly Automated Driving on Drivers' Fatigue. , 2017, , .		35
679	Perpetual Mobile Availability as a Reason for Communication Overload. Advances in Information Quality and Management, 2017, , 93-119.	0.3	1
680	Narcissism as a Predictor of Facebook Users' Privacy Concern, Vigilance, and Exposure to Risk., 2019, , 292-310.		2
681	Shift work and long-term injury among police officers. Scandinavian Journal of Work, Environment and Health, 2013, 39, 361-368.	1.7	28
682	Facilitating Sustained Attention: Is Mere Presence Sufficient?. American Journal of Psychology, 2018, 131, 417-428.	0.5	5
683	The Human Being as a Driver., 2021,, 63-159.		0
685	Attention: The Focus of Consciousness. , 2011, , 137-154.		0

#	Article	IF	Citations
686	Aufmerksamkeit: Im Fokus des Bewusstseins. , 2011, , 117-131.		0
687	Conceptual and Theoretical Framework. Lecture Notes in Economics and Mathematical Systems, 2012, , 29-55.	0.3	1
688	Transcranial Doppler Sonography in Studies of Mental Effort. , 0, , .		0
689	L'attenzione: al centro della coscienza. , 2013, , 143-161.		O
690	Density-Based Anomaly Detection in the Maritime Domain. , 2013, , 119-131.		2
691	The Effect of Verbal Task on Vigilance Task Performance. Ningen Kogaku = the Japanese Journal of Ergonomics, 2013, 49, 289-296.	0.0	0
692	Mobile Users Are More Vigilant Than Situated Users. Lecture Notes in Computer Science, 2014, , 166-177.	1.0	1
693	Aufmerksamkeit: Im Fokus des Bewusstseins. , 2014, , 143-161.		0
694	Attentional Processing in Traumatic Brain Injury and Posttraumatic Stress Disorder. , 0, , .		0
695	Mental Effort: Brain and Autonomic Correlates in Health and Disease. , 2015, , 237-253.		3
697	Automated Warning Reduces Error of Commission in Vigilance: A Study on Indian Adults. International Journal of Indian Psychology, 2014, 2, .	0.2	0
698	Aufbau., 2016,, 575-734.		2
699	Attention: The Focus of Consciousness. , 2016, , 161-181.		0
700	Cross-Modal In¡uences in Sound and Speech. , 2016, , 202-219.		0
702	Digit Vigilance Test. , 2017, , 1-2.		0
703	Challenges in Research Generalizability: The Need for Standardization of Performance Metrics and Methodology. Lecture Notes in Computer Science, 2017, , 78-89.	1.0	0
704	The Influence of Culture on Vigilance Performance and Subjective Experience. Lecture Notes in Computer Science, 2018, , 19-31.	1.0	1
705	Digit Vigilance Test. , 2018, , 1165-1166.		0

#	Article	IF	Citations
706	Reinforcement learning framework for collaborative agents interacting with soldiers in dynamic military contexts. , $2018, , .$		5
707	Is CCTV Surveillance as Effective as Popular Television Crime Series Suggest? Cognitive Challenges. Advances in Intelligent Systems and Computing, 2019, , 413-420.	0.5	2
709	Narcissism as a Predictor of Facebook Users' Privacy Concern, Vigilance, and Exposure to Risk., 2019, , 206-225.		0
710	Perpetual Mobile Availability as a Reason for Communication Overload. , 2019, , 1224-1244.		O
712	Keeping the balance between overload and underload during partly automated driving: relevant secondary tasks. Proceedings, 2020, , 233-250.	0.2	1
714	Normed Images for X-ray Screening Vigilance Tasks. , 2020, 8, .		1
716	Human Factors Approaches and Models in LOC-I Accident Analysis and Prevention: Flight Crew Resource Management Techniques as a Risk Mitigation Tool. International Journal of Safety and Security Engineering, 2020, 10, 301-310.	0.5	3
718	Understanding "Zoom fatigueâ€. A mixedâ€method approach. Applied Psychology, 2022, 71, 827-852.	4.4	99
719	Vigilanzmessung – grundlegende Überlegungen. , 2020, , 109-122.		0
720	Impact of the Digitization in the Industry Sector on Work, Employment, and Health. Handbook Series in Occupational Health Sciences, 2020, , 305-319.	0.1	5
721	Performance and workload comparisons between 2-D and 3-D auditory vigilance displays. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1594-1594.	0.2	1
722	Sustained attention to response task performance trajectories in Down syndrome. Journal of Intellectual Disability Research, 2021, 65, 230-235.	1.2	0
723	Beyond the Vigilance End-Spurt with Event-Related Potentials. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1258-1262.	0.2	3
724	Does a change in modality mitigate the vigilance decrement?. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1649-1649.	0.2	0
725	Extended Abstract: Exploring Sex Differences in the Role of Social Support on Vigilance Tasks. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1338-1339.	0.2	0
726	Automation and Augmentation. , 2022, , 1-19.		0
727	Asymmetry of Regional Phase Synchrony Cortical Networks Under Cognitive Alertness and Vigilance Decrement States. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2378-2387.	2.7	6
728	Messverfahren zur Erfassung vigilanzassoziierter Prozesse. , 2020, , 123-153.		0

#	Article	IF	Citations
729	Introduction to Feminist Vigilance., 2020, , 1-21.		5
730	Impact of the Digitization in the Industry Sector on Work, Employment, and Health. , 2020, , 1-15.		2
731	Aufmerksamkeit: Im Fokus des Bewusstseins. , 2020, , 145-165.		0
732	Measure for Measure: How Do We Assess Human Autonomy Teaming?. Lecture Notes in Computer Science, 2020, , 227-239.	1.0	2
733	Understanding the Mental Recovery Effect of Cyberloafing: Attention Replenishment and Task-Set Inertia. Lecture Notes in Information Systems and Organisation, 2020, , 204-210.	0.4	1
734	Automation and Augmentation. Advances in Human and Social Aspects of Technology Book Series, 2020, , 1-24.	0.3	2
735	Effects of dialogical mindfulness on psychopathology: A pilot study's results from a seven-day psychosynthesis course about the inner child Humanistic Psychologist, 2020, 48, 84-99.	0.2	1
736	Transitions Between Low and High Levels of Mental Workload can Improve Multitasking Performance. IISE Transactions on Occupational Ergonomics and Human Factors, 2020, 8, 72-87.	0.5	6
737	Variations in breast cancer detection rates during mammogram-reading sessions: does experience have an impact?. British Journal of Radiology, 2022, 95, 20210895.	1.0	0
738	Facing successfully high mental workload and stressors: An <scp>fMRI</scp> study. Human Brain Mapping, 2022, 43, 1011-1031.	1.9	8
739	Affective and cognitive restoration: comparing the restorative role of indoor plants and guided meditation. Ergonomics, 2022, 65, 933-942.	1.1	3
740	Effect of Physical Exercise Program Based on Active Breaks on Physical Fitness and Vigilance Performance. Biology, 2021, 10, 1151.	1.3	12
741	Aufmerksamkeit: Im Fokus des Bewusstseins. , 2014, , 143-161.		0
743	Profiling a Spectrum of Mental Job Demands and their Linkages to Employee Outcomes. Journal for Person-Oriented Research, 2020, 6, 55-71.	1.6	0
744	If You're Happy and You Know it Stay Alert: The Effects of Lighting on Vigilance Performance and Affective State. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 854-858.	0.2	1
745	Effects of Spatial Uncertainty on Auditory Vigilance Performance and Cerebral Hemodynamics. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 352-352.	0.2	2
746	Artifact Removal of Eye Tracking Data for the Assessment of Cognitive Vigilance Levels., 2021,,.		1
748	Examining Cognitive Workload During Covid-19: A Qualitative Study. Communications in Computer and Information Science, 2021, , 136-150.	0.4	0

#	ARTICLE	IF	CITATIONS
749	Cognitive load mitigates the executive but not the arousal vigilance decrement. Consciousness and Cognition, 2022, 98, 103263.	0.8	6
750	Profiling a Spectrum of Mental Job Demands and their Linkages to Employee Outcomes. Journal for Person-Oriented Research, 2020, 6, 56-72.	1.6	5
751	Pupillometry and the vigilance decrement: Taskâ€evoked but not baseline pupil measures reflect declining performance in visual vigilance tasks. European Journal of Neuroscience, 2022, 55, 778-799.	1.2	10
752	Attentive User Interfaces: Adaptive Interfaces that Monitor and Manage Driver Attention. Studies in Computational Intelligence, 2022, , 305-334.	0.7	2
753	Assessment of Physiological Responses During Field Science Task Performance: Feasibility and Future Needs. Frontiers in Physiology, 2022, 13, 779873.	1.3	3
754	Not all smokers are alike: the hidden cost of sustained attention during nicotine abstinence. Neuropsychopharmacology, 2022, 47, 1633-1642.	2.8	0
755	Dynamic Reorganization of Functional Connectivity During Post-Break Task Reengagement. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 157-166.	2.7	6
756	Speech-based takeover requests in conditionally automated driving: Effects of different voices on the driver takeover performance. Applied Ergonomics, 2022, 101, 103695.	1.7	12
757	Uçak Teknisyenlerinde Negatif Vijilans Faktörlerin Analitik Belirlenmesi ve Vijilans Düzeylerinin Ölçümü. Journal of Aviation Research, 2022, 4, 76-104.	0.9	0
7 59	A Speech-Based Model for Tracking the Progression of Activities in Extreme Action Teamwork. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-26.	2.5	0
760	Objective assessment of trait attentional control predicts driver response to emergency failures of vehicular automation. Accident Analysis and Prevention, 2022, 168, 106588.	3.0	4
761	Supporting human monitoring activities in highly automated manufacturing through gamification. Computers and Industrial Engineering, 2022, 168, 108049.	3.4	4
762	Polyp detection and false-positive rates by computer-aided analysis of withdrawal-phase videos of colonoscopy of the right-sided colon segment in a randomized controlled trial comparing water exchange and air insufflation. Gastrointestinal Endoscopy, 2022, 95, 1198-1206.e6.	0.5	6
764	A Brief Study of Binaural Beat: A Means of Brain-Computer Interfacing. Advances in Human-Computer Interaction, 2021, 2021, 1-8.	1.8	10
765	A multimodal analysis of sustained attention in younger and older adults Psychology and Aging, 2022, 37, 307-325.	1.4	0
766	Improved Cognitive Vigilance Assessment after Artifact Reduction with Wavelet Independent Component Analysis. Sensors, 2022, 22, 3051.	2.1	5
768	Reducing passive driver fatigue through a suitable secondary motor task by means of an interactive seating system. Applied Ergonomics, 2022, 103, 103773.	1.7	5
769	Influencing Factors and Intervention Methods of Sustained Attention. Advances in Social Sciences, 2022, 11, 1279-1286.	0.0	0

#	Article	IF	CITATIONS
770	A vigilance decrement comes along with an executive control decrement: Testing the resource-control theory. Psychonomic Bulletin and Review, 2022, 29, 1831-1843.	1.4	11
771	Efficacy of a Mindfulness-Based Intervention in Ameliorating Inattentional Blindness Amongst Young Neurosurgeons: A Prospective, Controlled Pilot Study. Frontiers in Surgery, 2022, 9, .	0.6	2
772	The Effect of eHMI Malfunctions on Younger and Elderly Pedestrians' Trust and Acceptance of Automated Vehicle Communication Signals. Frontiers in Psychology, 2022, 13, 866475.	1.1	5
773	Modality Changes in Vigilance Displays: Further Evidence of Supramodal Resource Depletion in Vigilance. Human Factors, 2024, 66, 424-436.	2.1	1
774	Electrocortical correlates of the association between cardiorespiratory fitness and sustained attention in young adults. Neuropsychologia, 2022, 172, 108271.	0.7	2
775	Human factors in digitalized process operations. Methods in Chemical Process Safety, 2022, , 417-459.	0.5	2
776	Driver Vigilance Decrement is More Severe During Automated Driving than Manual Driving. Human Factors, 2024, 66, 574-588.	2.1	10
780	The Humanâ€Automation Behavioral Interaction Task (HABIT) analysis framework. Human Factors and Ergonomics in Manufacturing, 2022, 32, 452-461.	1.4	1
781	Revisiting the Concept of Vigilance. Frontiers in Psychiatry, 0, 13, .	1.3	6
782	Neural mechanisms underlying state mental fatigue: a systematic review and activation likelihood estimation meta-analysis. Reviews in the Neurosciences, 2022, 33, 889-917.	1.4	5
783	Sensitivity of PERCLOS70 to Drowsiness Level: Effectiveness of PERCLOS70 to Prevent Crashes Caused by Drowsiness. IEEE Access, 2022, 10, 70806-70814.	2.6	2
784	Reacting and responding to rare, uncertain and unprecedented events. Ergonomics, 2023, 66, 454-478.	1.1	7
785	«VIGILANCE-CARELESSNESS» IN THE PROBLEM FIELD OF RESEARCH IN CONTEMPORARY PSYCHOLOGY. , 202	2,	0
786	Mental workload variations during different cognitive office tasks with social media interruptions. Ergonomics, 2023, 66, 592-608.	1.1	5
787	ANALISIS ERGONOMI TERHADAP BEBAN KERJA MENTAL SISWA SMP SELAMA MASA PEMBELAJARAN LURING DAN DARING. , 2022, 1, .		0
788	Light and Shade of Automation. The Journal of Japan Society for Clinical Anesthesia, 2022, 42, 402-407.	0.0	0
789	Taking prevalence effects on the road: Rare hazards are often missed. Psychonomic Bulletin and Review, 2023, 30, 212-223.	1.4	2
790	The Paradox of Neuroticism and Vigilance Work. Research in Occupational Stress and Well Being, 2022, 20, 129-149.	0.1	2

#	Article	IF	CITATIONS
791	The quest for simplicity in human learning: Identifying the constraints on attention. Cognitive Psychology, 2022, 138, 101508.	0.9	2
792	Determinants of Team Sport Participation Decision in the Wake of the Pandemic Among University Youth. Physical Activity and Health, 2022, 6, 189-200.	0.6	2
793	Study on the Application of EfficientDet to Real-Time Classification of Infrared Images from Video Surveillance. , 2022, , .		0
794	Circadian effect on physiology and driving performance in semi-automated vehicles. Theoretical Issues in Ergonomics Science, 2023, 24, 607-630.	1.0	0
795	Task priority reduces an adverse effect of task load on automation trust in a dynamic multitasking environment. Cognition, Technology and Work, 2023, 25, 1-13.	1.7	2
796	Survey the Effect of Temperature Reduction of Prefrontal Area on Accuracy of Visual Sustained Attention. International Journal of Occupational Safety and Ergonomics, 0, , 1-20.	1.1	1
797	Feasibility study of personalized speed adaptation method based on mental state for teleoperated robots. Frontiers in Neuroscience, 0, 16 , .	1.4	1
798	Use of EEG signals, cortisol secretion, and task performance to evaluate the effects of different lighting environments on concentration level in a sustained attention task. International Journal of Industrial Ergonomics, 2022, 92, 103371.	1.5	8
800	The Stress of Vigilance May Influence Reports of Simulator Sickness: A Factor Analysis of the SSSQ and SSQ in Auditory Vigilance Tasks. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 1250-1254.	0.2	0
801	Physiological Measurements of Vigilance: A Systematic Review. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 823-827.	0.2	0
802	Participant Characteristics in Human-in-the-Loop Studies with Multiple Unmanned Vehicles including Aircraft. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 33-37.	0.2	1
803	The effects of varying music tempo on vigilance performance and affective state. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 888-892.	0.2	0
804	Attentional Considerations in Advanced Air Mobility Operations: Control, Manage, or Assist?. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 28-32.	0.2	3
805	Putting the Brain in the Driver's Seat: Using Transcranial Doppler Sonography to Examine Vigilance in Automated Driving. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 367-367.	0.2	0
806	Effects of Non-Driving-Related Tasks with Different Resource Demands on Driver Gaze Behavior. , 2022, , .		0
807	Ultra-short objective alertness assessment: an adaptive duration version of the 3 minute PVT (PVT-BA) accurately tracks changes in psychomotor vigilance induced by sleep restriction. SLEEP Advances, 2022, 3, .	0.1	2
808	Effects of total sleep deprivation on components of <scp>topâ€down</scp> attentional control using a flexible attentional control task. Journal of Sleep Research, O, , .	1.7	2
809	Opposing effects of income inequality on health: The role of perceived competitiveness and avoidance/approach motivation. European Journal of Social Psychology, 2023, 53, 61-77.	1.5	7

#	Article	IF	CITATIONS
810	Vigilance, arousal, and acetylcholine: Optimal control of attention in a simple detection task. PLoS Computational Biology, 2022, 18, e1010642.	1.5	2
811	Measured increases in steering entropy may predict when performance will degrade: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 91, 87-94.	1.8	5
812	Effects of mentally induced fatigue on balance control: a systematic review. Experimental Brain Research, 2023, 241, 13-30.	0.7	4
813	The impact of marine engine noise exposure on seafarer fatigue: A China case. Ocean Engineering, 2022, 266, 112943.	1.9	12
814	Temporal changes in ERP amplitudes during sustained performance of the Attention Network Test. International Journal of Psychophysiology, 2022, 182, 142-158.	0.5	4
815	Quantitative description of cognitive fatigue in repetitive monotonous tasks. Physica A: Statistical Mechanics and Its Applications, 2022, 608, 128270.	1.2	2
816	Brain Region-Based Vigilance Assessment Using Electroencephalography and Eye Tracking Data Fusion. IEEE Access, 2022, 10, 112199-112210.	2.6	0
817	Mental models of driver monitoring systems: Perceptions of monitoring capabilities in an online U.S-based sample. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 91, 484-498.	1.8	3
818	Individual Susceptibility to Vigilance Decrement in Prolonged Assisted Driving Revealed by Alert-State Wearable EEG Assessment. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 1586-1594.	2.6	2
819	Vigilance described by the time-on-task effect in EEG activity during a cued Go/NoGo task. International Journal of Psychophysiology, 2023, 183, 92-102.	0.5	3
820	Do cognitive and physical effort costs affect choice behavior similarly?. Journal of Mathematical Psychology, 2023, 112, 102727.	1.0	2
821	Readability Research: An Interdisciplinary Approach. Foundations and Trends in Human-Computer Interaction, 2022, 16, 214-324.	1.8	6
822	Measures of Attention in Autonomous and Semi-Autonomous Multi-Vehicle Supervision., 2022, , .		0
823	Nutrition labeling, numerosity effects, and vigilance among dietâ€sensitive individuals. Psychology and Marketing, 2023, 40, 455-468.	4.6	1
824	Situational boundary conditions of digital stress: Goal conflict and autonomy frustration make smartphone use more stressful. Mobile Media and Communication, 2023, 11, 435-458.	3.1	3
825	Exogenous and endogenous spatial attention in crows. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
826	Paradoxical effects from stimulus density manipulation provide new insight into the impact of sleep deprivation on PVT performance. SLEEP Advances, 2023, 4, .	0.1	2
827	Study on the diversity of mental states and neuroplasticity of the brain during human-machine interaction. Frontiers in Neuroscience, $0,16,.$	1.4	0

#	Article	IF	CITATIONS
828	Vigilance to Spatialized Auditory Displays: Initial Assessment of Performance and Workload. Human Factors, 2024, 66, 987-1003.	2.1	O
829	Return-to-Manual Performance can be Predicted Before Automation Fails. Human Factors, 2024, 66, 1333-1349.	2.1	1
830	The mitigation of the executive vigilance decrement via HD-tDCS over the right posterior parietal cortex and its association with neural oscillations. Cerebral Cortex, 2023, 33, 6761-6771.	1.6	4
831	Design and evaluation of visual guiding facilities along urban road tunnel horizontal curves based on vision and speed perception. Tunnelling and Underground Space Technology, 2023, 133, 104937.	3.0	3
832	Effects of task demands on tactile vigilance. Experimental Brain Research, 2023, 241, 441-449.	0.7	1
833	Neuroscience of Cognitive Functions: From Theory to Applications. , 2023, , 2673-2701.		1
834	Where is the Human-in-the-Loop? Human Factors Analysis of Extended Visual Line of Sight Unmanned Aerial System Operations within a Remote Operations Environment. , 2023, , .		5
835	Cognitive State Analysis, Understanding, and Decoding from the Perspective of Brain Connectivity., 2023,, 2733-2767.		0
836	Vigilance Assessment and Enhancement. , 2023, , 2769-2792.		0
837	Global Functional Connectivity at Rest Is Associated with Attention: An Arterial Spin Labeling Study. Brain Sciences, 2023, 13, 228.	1.1	1
838	Eventâ€related potentials associated with attentional networks evidence changes in executive and arousal vigilance. Psychophysiology, 0, , .	1.2	2
839	Will the real resource theory please stand up! Vigilance is a renewable resource and should be modeled as such. Experimental Brain Research, 2023, 241, 1263-1270.	0.7	1
840	A systematic exploration of attentional load effects on the $\scp>C1$ ERP component. Psychophysiology, 0, , .	1.2	2
841	I spy with my AI: The effects of AI-based visual cueing on human operators' performance and cognitive load in CCTV control rooms. International Journal of Industrial Ergonomics, 2023, 95, 103444.	1.5	1
842	Fatigue and Secondary Media Impacts in the Automated Vehicle: A Multidimensional State Perspective. Safety, 2023, 9, 11.	0.9	3
843	The relationship between regulatory focus, perfectionism, and school burnout. Social Psychology of Education, 0, , .	1.2	0
844	When both human and machine drivers make mistakes: Whom to blame?. Transportation Research, Part A: Policy and Practice, 2023, 170, 103637.	2.0	3
845	Different oscillatory rhythms anticipate failures in executive and arousal vigilance., 0, 2, .		2

#	ARTICLE	IF	CITATIONS
846	Effect of expectations and retention interval on prospective person memory and vigilance. Psychology, Crime and Law, 0 , 1 -27.	0.8	0
847	Assessment of Vigilance Level during Work: Fitting a Hidden Markov Model to Heart Rate Variability. Brain Sciences, 2023, 13, 638.	1.1	2
848	A review of cyber vigilance tasks for network defense. Frontiers in Neuroergonomics, 0, 4, .	0.6	1
894	Vertiport Management from Simulation to Flight: Continued Human Factors Assessment of Vertiport Operations. , 2024, , .		O