

Raja Parasuraman

List of Publications by Citations

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231
papers

15,823
citations

69
h-index

123
g-index

237
ext. papers

17,825
ext. citations

2.8
avg, IF

6.89
L-index

#	Paper	IF	Citations
231	Humans and Automation: Use, Misuse, Disuse, Abuse. <i>Human Factors</i> , 1997 , 39, 230-253	3.8	1956
230	A meta-analysis of factors affecting trust in human-robot interaction. <i>Human Factors</i> , 2011 , 53, 517-27	3.8	748
229	Vigilance requires hard mental work and is stressful. <i>Human Factors</i> , 2008 , 50, 433-41	3.8	717
228	Complacency and bias in human use of automation: an attentional integration. <i>Human Factors</i> , 2010 , 52, 381-410	3.8	506
227	Performance Consequences of Automation-Induced 'Complacency'. <i>The International Journal of Aviation Psychology</i> , 1993 , 3, 1-23		480
226	Situation Awareness, Mental Workload, and Trust in Automation: Viable, Empirically Supported Cognitive Engineering Constructs. <i>Journal of Cognitive Engineering and Decision Making</i> , 2008 , 2, 140-160	2.5	378
225	Battery powered thought: enhancement of attention, learning, and memory in healthy adults using transcranial direct current stimulation. <i>NeuroImage</i> , 2014 , 85 Pt 3, 895-908	7.9	298
224	Designing for flexible interaction between humans and automation: delegation interfaces for supervisory control. <i>Human Factors</i> , 2007 , 49, 57-75	3.8	255
223	Psychophysiology and adaptive automation. <i>Biological Psychology</i> , 1996 , 42, 249-68	3.2	250
222	Humans: still vital after all these years of automation. <i>Human Factors</i> , 2008 , 50, 511-20	3.8	247
221	Visuospatial attention in dementia of the Alzheimer type. <i>Brain</i> , 1992 , 115 (Pt 3), 711-33	11.2	231
220	Human-Automation Interaction. <i>Reviews of Human Factors and Ergonomics</i> , 2005 , 1, 89-129		222
219	Trust and etiquette in high-criticality automated systems. <i>Communications of the ACM</i> , 2004 , 47, 51-55	2.5	213
218	Neuroergonomics: Research and practice. <i>Theoretical Issues in Ergonomics Science</i> , 2003 , 4, 5-20	2.2	209
217	Attention and brain function in Alzheimer's disease: A review.. <i>Neuropsychology</i> , 1993 , 7, 242-272	3.8	203
216	The vigilance decrement reflects limitations in effortful attention, not mindlessness. <i>Human Factors</i> , 2003 , 45, 349-59	3.8	202
215	Enhancing vigilance in operators with prefrontal cortex transcranial direct current stimulation (tDCS). <i>NeuroImage</i> , 2014 , 85 Pt 3, 909-17	7.9	195

214	Designing automation for human use: empirical studies and quantitative models. <i>Ergonomics</i> , 2000 , 43, 931-51	2.9	183
213	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996 , 38, 311-322	3.8	180
212	Effects of adaptive task allocation on monitoring of automated systems. <i>Human Factors</i> , 1996 , 38, 665-79	3.8	170
211	Effects of imperfect automation on decision making in a simulated command and control task. <i>Human Factors</i> , 2007 , 49, 76-87	3.8	162
210	Continuous monitoring of brain dynamics with functional near infrared spectroscopy as a tool for neuroergonomic research: empirical examples and a technological development. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 871	3.3	158
209	Putting the brain to work: neuroergonomics past, present, and future. <i>Human Factors</i> , 2008 , 50, 468-74	3.8	156
208	Complementary neural mechanisms for tracking items in human working memory. <i>Science</i> , 2000 , 287, 643-6	33.3	155
207	Changes in visuospatial attention over the adult lifespan. <i>Neuropsychologia</i> , 1993 , 31, 471-85	3.2	155
206	BDNF mediates improvements in executive function following a 1-year exercise intervention. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 985	3.3	151
205	Almost human: Anthropomorphism increases trust resilience in cognitive agents. <i>Journal of Experimental Psychology: Applied</i> , 2016 , 22, 331-49	1.8	144
204	Oxytocin receptor genetic variation promotes human trust behavior. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 4	3.3	142
203	Effects of apolipoprotein E genotype on spatial attention, working memory, and their interaction in healthy, middle-aged adults: results From the National Institute of Mental Health's BIOCARD study. <i>Neuropsychologia</i> , 2005 , 19, 199-211	3.8	141
202	Automation in future air traffic management: effects of decision aid reliability on controller performance and mental workload. <i>Human Factors</i> , 2005 , 47, 35-49	3.8	136
201	Neuroergonomics: a review of applications to physical and cognitive work. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 889	3.3	129
200	Beyond heritability: neurotransmitter genes differentially modulate visuospatial attention and working memory. <i>Psychological Science</i> , 2005 , 16, 200-7	7.9	129
199	Automation cueing modulates cerebral blood flow and vigilance in a simulated air traffic control task. <i>Theoretical Issues in Ergonomics Science</i> , 2003 , 4, 89-112	2.2	127
198	Effects of information processing demands on slow negative shift latencies and N100 amplitude in selective and divided attention. <i>Biological Psychology</i> , 1980 , 11, 217-33	3.2	124
197	Automation- Induced "Complacency": Development of the Complacency-Potential Rating Scale. <i>The International Journal of Aviation Psychology</i> , 1993 , 3, 111-122		122

196	Attention and driving skills in aging and Alzheimer's disease. <i>Human Factors</i> , 1991 , 33, 539-57	3.8	120
195	Adaptive Automation for Human Supervision of Multiple Uninhabited Vehicles: Effects on Change Detection, Situation Awareness, and Mental Workload. <i>Military Psychology</i> , 2009 , 21, 270-297	0.9	118
194	Fuzzy signal detection theory: basic postulates and formulas for analyzing human and machine performance. <i>Human Factors</i> , 2000 , 42, 636-59	3.8	115
193	Vigilance: Taxonomy And Utility. <i>Recent Research in Psychology</i> , 1987 , 11-32		111
192	The role of the air traffic controller in future air traffic management: an empirical study of active control versus passive monitoring. <i>Human Factors</i> , 2001 , 43, 519-28	3.8	109
191	Signal regularity and the mindlessness model of vigilance. <i>British Journal of Psychology</i> , 2005 , 96, 249-614		101
190	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002 , 16, 254-274	3.8	100
189	Human-Computer Monitoring. <i>Human Factors</i> , 1987 , 29, 695-706	3.8	100
188	Neuroergonomics: Brain, Cognition, and Performance at Work. <i>Current Directions in Psychological Science</i> , 2011 , 20, 181-186	6.5	98
187	Adaptive Aiding of Human-Robot Teaming: Effects of Imperfect Automation on Performance, Trust, and Workload. <i>Journal of Cognitive Engineering and Decision Making</i> , 2011 , 5, 209-231	2.5	97
186	Cerebral lateralization of vigilance: a function of task difficulty. <i>Neuropsychologia</i> , 2010 , 48, 1683-8	3.2	93
185	Human factors and safety in the design of intelligent vehicle-highway systems (IVHS). <i>Journal of Safety Research</i> , 1992 , 23, 181-198	4	93
184	Detection and recognition: Concurrent processes in perception. <i>Perception & Psychophysics</i> , 1982 , 31, 1-12		93
183	The role of memory representation in the vigilance decrement. <i>Psychonomic Bulletin and Review</i> , 2004 , 11, 932-7	4.1	92
182	Attention, biological motion, and action recognition. <i>NeuroImage</i> , 2012 , 59, 4-13	7.9	91
181	Individual differences in cognition, affect, and performance: behavioral, neuroimaging, and molecular genetic approaches. <i>NeuroImage</i> , 2012 , 59, 70-82	7.9	89
180	Controlling the focus of spatial attention during visual search: Effects of advanced aging and Alzheimer disease.. <i>Neuropsychology</i> , 1997 , 11, 3-12	3.8	89
179	Skill development in vigilance: Effects of event rate and age.. <i>Psychology and Aging</i> , 1991 , 6, 155-169	3.6	89

178	Interaction of signal discriminability and task type in vigilance decrement. <i>Perception & Psychophysics</i> , 1987 , 41, 17-22		88
177	Neurocognitive enhancement in older adults: comparison of three cognitive training tasks to test a hypothesis of training transfer in brain connectivity. <i>NeuroImage</i> , 2014 , 85 Pt 3, 1027-39	7.9	87
176	Wearable functional near infrared spectroscopy (fNIRS) and transcranial direct current stimulation (tDCS): expanding vistas for neurocognitive augmentation. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 27	3.5	87
175	Sustained-attention capacity in young and older adults.. <i>Psychology and Aging</i> , 1989 , 4, 339-345	3.6	85
174	Effects of sensory modality on cerebral blood flow velocity during vigilance. <i>Neuroscience Letters</i> , 2009 , 461, 207-11	3.3	82
173	Auditory evoked potentials and divided attention. <i>Psychophysiology</i> , 1978 , 15, 460-5	4.1	82
172	Enhancing dual-task performance with verbal and spatial working memory training: continuous monitoring of cerebral hemodynamics with NIRS. <i>NeuroImage</i> , 2014 , 85 Pt 3, 1014-26	7.9	81
171	Human-Automation Interaction Research: Past, Present, and Future. <i>Ergonomics in Design</i> , 2013 , 21, 9-14	4.4	81
170	Scale of attentional focus in visual search. <i>Perception & Psychophysics</i> , 1999 , 61, 837-59		80
169	Normal genetic variation, cognition, and aging. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003 , 2, 278-306		77
168	Effects of mental fatigue on the development of physical fatigue: a neuroergonomic approach. <i>Human Factors</i> , 2014 , 56, 645-56	3.8	76
167	The abbreviated vigilance task and cerebral hemodynamics. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2007 , 29, 545-52	2.1	74
166	Into the Wild: Neuroergonomic Differentiation of Hand-Held and Augmented Reality Wearable Displays during Outdoor Navigation with Functional Near Infrared Spectroscopy. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 216	3.3	74
165	Sustained attention following mild closed-head injury. <i>Neuropsychology, Development and Cognition Section A: Journal of Clinical and Experimental Neuropsychology</i> , 1991 , 13, 789-811		73
164	The scaling of spatial attention in visual search and its modification in healthy aging. <i>Perception & Psychophysics</i> , 2004 , 66, 3-22		70
163	Interactive effects of APOE and CHRNA4 on attention and white matter volume in healthy middle-aged and older adults. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2006 , 6, 31-43	3.5	69
162	Transcranial direct current stimulation augments perceptual sensitivity and 24-hour retention in a complex threat detection task. <i>PLoS ONE</i> , 2012 , 7, e34993	3.7	66
161	Cerebral Hemodynamics and Vigilance Performance. <i>Military Psychology</i> , 2009 , 21, S75-S100	0.9	66

160	Sensory and Cognitive Vigilance: Effects of Age on Performance and Subjective Workload. <i>Human Performance</i> , 1993 , 6, 71-97	2.4	64
159	Selective attention to face identity and color studied with f MRI. <i>Human Brain Mapping</i> , 1997 , 5, 293-7	5.9	58
158	Specificity of the effect of a nicotinic receptor polymorphism on individual differences in visuospatial attention. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 1611-20	3.1	58
157	The World is not Enough: Trust in Cognitive Agents. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012 , 56, 263-267	0.4	56
156	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996 , 38, 311-322	3.8	56
155	Alzheimer disease constricts the dynamic range of spatial attention in visual search. <i>Neuropsychologia</i> , 2000 , 38, 1126-35	3.2	53
154	Sustained attention in mild Alzheimer's disease. <i>Developmental Neuropsychology</i> , 2005 , 28, 507-37	1.8	52
153	Divided attention and metabolic brain dysfunction in mild dementia of the Alzheimer's type. <i>Neuropsychologia</i> , 1991 , 29, 379-87	3.2	52
152	Using noninvasive brain stimulation to accelerate learning and enhance human performance. <i>Human Factors</i> , 2014 , 56, 816-24	3.8	50
151	Air Traffic Controller Performance and Workload Under Mature Free Flight: Conflict Detection and Resolution of Aircraft Self-Separation. <i>The International Journal of Aviation Psychology</i> , 2001 , 11, 71-93		50
150	Selective impairment of spatial attention during visual search in Alzheimer's disease. <i>NeuroReport</i> , 1995 , 6, 1861-4	1.7	50
149	Spatio-temporal dynamics of human intention understanding in temporo-parietal cortex: a combined EEG/fMRI repetition suppression paradigm. <i>PLoS ONE</i> , 2009 , 4, e6962	3.7	49
148	When and where perceptual load interacts with voluntary visuospatial attention: an event-related potential and dipole modeling study. <i>NeuroImage</i> , 2008 , 39, 1345-55	7.9	48
147	Event-related potentials reveal dissociable mechanisms for orienting and focusing visuospatial attention. <i>Cognitive Brain Research</i> , 2005 , 23, 341-53		48
146	Individual Differences in Monitoring Failures of Automation. <i>Journal of General Psychology</i> , 1993 , 120, 357-373	1	46
145	Detecting threat-related intentional actions of others: effects of image quality, response mode, and target cuing on vigilance. <i>Journal of Experimental Psychology: Applied</i> , 2009 , 15, 275-90	1.8	45
144	A Little Anthropomorphism Goes a Long Way. <i>Human Factors</i> , 2017 , 59, 116-133	3.8	43
143	Automation-induced monitoring inefficiency: role of display location. <i>International Journal of Human Computer Studies</i> , 1997 , 46, 17-30	4.6	42

142	Vigilance: A Perceptual Challenge241-283		41
141	Automated fault-management in a simulated spaceflight micro-world. <i>Aviation, Space, and Environmental Medicine</i> , 2002 , 73, 886-97		39
140	Prefrontal Hemodynamics of Physical Activity and Environmental Complexity During Cognitive Work. <i>Human Factors</i> , 2017 , 59, 147-162	3.8	38
139	A Design Methodology for Trust Cue Calibration in Cognitive Agents. <i>Lecture Notes in Computer Science</i> , 2014 , 251-262	0.9	38
138	Event-related cerebral hemodynamics reveal target-specific resource allocation for both "go" and "no-go" response-based vigilance tasks. <i>Brain and Cognition</i> , 2013 , 82, 265-73	2.7	37
137	Speed of information processing and attention in early Alzheimer's dementia. <i>Developmental Neuropsychology</i> , 1991 , 7, 243-256	1.8	37
136	Cognition and flight performance in older pilots.. <i>Journal of Experimental Psychology: Applied</i> , 1997 , 3, 313-348	1.8	36
135	The apolipoprotein E gene, attention, and brain function. <i>Neuropsychology</i> , 2002 , 16, 254-74	3.8	35
134	The mechanisms of far transfer from cognitive training: Review and hypothesis. <i>Neuropsychology</i> , 2016 , 30, 742-755	3.8	34
133	Human versus automation in responding to failures: an expected-value analysis. <i>Human Factors</i> , 2000 , 42, 403-7	3.8	33
132	Attentional disengagement deficit in nondemented elderly over 75 years of age. <i>Aging, Neuropsychology, and Cognition</i> , 1994 , 1, 188-202	2.1	33
131	Object-based attentional modulation of biological motion processing: spatiotemporal dynamics using functional magnetic resonance imaging and electroencephalography. <i>Journal of Neuroscience</i> , 2010 , 30, 9064-73	6.6	32
130	A cognitive phenotype for a polymorphism in the nicotinic receptor gene CHRNA4. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 1331-41	9	31
129	Neuroergonomics and human error. <i>Theoretical Issues in Ergonomics Science</i> , 2010 , 11, 402-421	2.2	31
128	Scaling of visuospatial attention undergoes differential longitudinal change as a function of APOE genotype prior to old age: results from the NIMH BIOCARD study. <i>Neuropsychology</i> , 2005 , 19, 830-40	3.8	30
127	Aging and cognitive vigilance: effects of spatial uncertainty and event rate. <i>Experimental Aging Research</i> , 1995 , 21, 17-32	1.7	30
126	Adaptable and Adaptive Automation for Supervisory Control of Multiple Autonomous Vehicles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012 , 56, 428-432	0.4	28
125	Attention and Driving. <i>Clinics in Geriatric Medicine</i> , 1993 , 9, 377-387	3.8	28

124	Longitudinal change in working memory as a function of APOE genotype in midlife and old age. <i>Scandinavian Journal of Psychology</i> , 2014 , 55, 268-77	2.2	27
123	Transcranial direct current stimulation facilitates cognitive multi-task performance differentially depending on anode location and subtask. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 665	3.3	27
122	Team performance in networked supervisory control of unmanned air vehicles: effects of automation, working memory, and communication content. <i>Human Factors</i> , 2014 , 56, 463-75	3.8	27
121	The sustained attention to response task (SART) does not promote mindlessness during vigilance performance. <i>Human Factors</i> , 2014 , 56, 1364-79	3.8	26
120	Transitioning to future air traffic management: effects of imperfect automation on controller attention and performance. <i>Human Factors</i> , 2010 , 52, 411-25	3.8	26
119	Neural adaptation provides evidence for categorical differences in processing of faces and Chinese characters: an ERP study of the N170. <i>PLoS ONE</i> , 2012 , 7, e41103	3.7	25
118	Assaying individual differences in cognition with molecular genetics: theory and application. <i>Theoretical Issues in Ergonomics Science</i> , 2009 , 10, 399-416	2.2	25
117	Both a nicotinic single nucleotide polymorphism (SNP) and a noradrenergic SNP modulate working memory performance when attention is manipulated. <i>Journal of Cognitive Neuroscience</i> , 2009 , 21, 2139-53	3.1	25
116	Acetylcholine affects the spatial scale of attention: Evidence from Alzheimer's disease.. <i>Neuropsychology</i> , 2000 , 14, 288-298	3.8	25
115	Fuzzy signal detection theory: analysis of human and machine performance in air traffic control, and analytic considerations. <i>Ergonomics</i> , 2003 , 46, 1045-74	2.9	24
114	Sans subjectivity - ergonomics is engineering. <i>Ergonomics</i> , 2002 , 45, 991-4; discussion 1042-6	2.9	23
113	Contextual task difficulty modulates stimulus discrimination: electrophysiological evidence for interaction between sensory and executive processes. <i>Psychophysiology</i> , 2012 , 49, 1384-93	4.1	20
112	Neural correlates of perceptual priming of visual motion. <i>Brain Research Bulletin</i> , 2002 , 57, 211-9	3.9	20
111	Advice Taking from Humans and Machines: An fMRI and Effective Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 542	3.3	20
110	The influence of apolipoprotein E genotype on visuospatial attention dissipates after age 80. <i>Neuropsychology</i> , 2009 , 23, 81-9	3.8	19
109	Effects of aging on the speed and attentional cost of cognitive operations. <i>Developmental Neuropsychology</i> , 1991 , 7, 421-434	1.8	19
108	Effects of Automated Conflict Cuing and Traffic Density on Air Traffic Controller Performance and Visual Attention in a Datalink Environment. <i>The International Journal of Aviation Psychology</i> , 2006 , 16, 343-362		17
107	Dopamine beta hydroxylase genotype identifies individuals less susceptible to bias in computer-assisted decision making. <i>PLoS ONE</i> , 2012 , 7, e39675	3.7	17

106	Handbook of Psychophysiology704-722		17
105	Collecting health-related data on the smart phone: mental models, cost of collection, and perceived benefit of feedback. <i>Personal and Ubiquitous Computing</i> , 2013 , 17, 561-570	2.1	15
104	Aging and repetition priming for targets and distracters in a working memory task. <i>Aging, Neuropsychology, and Cognition</i> , 2006 , 13, 552-73	2.1	15
103	Trust as a Construct for Evaluation of Automated Aids: Past and Future Theory and Research. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1999 , 43, 184-187	0.4	15
102	Activation and inhibition of posterior parietal cortex have bi-directional effects on spatial errors following interruptions. <i>Frontiers in Systems Neuroscience</i> , 2014 , 8, 245	3.5	14
101	Perceptual load, voluntary attention, and aging: an event-related potential study. <i>International Journal of Psychophysiology</i> , 2012 , 84, 17-25	2.9	14
100	Statistical modelling of networked human-automation performance using working memory capacity. <i>Ergonomics</i> , 2014 , 57, 295-318	2.9	13
99	Enhancing multiple object tracking performance with noninvasive brain stimulation: a causal role for the anterior intraparietal sulcus. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 3	3.5	13
98	Sensing, assessing, and augmenting threat detection: behavioral, neuroimaging, and brain stimulation evidence for the critical role of attention. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 273	3.3	13
97	Evaluating the Benefits and Potential Costs of Automation Delegation for Supervisory Control of Multiple UAVs. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010 , 54, 1498-1502	0.4	13
96	An fMRI and effective connectivity study investigating miss errors during advice utilization from human and machine agents. <i>Social Neuroscience</i> , 2017 , 12, 570-581	2	12
95	Attentional costs of mental operations in young and old adults. <i>Developmental Neuropsychology</i> , 1989 , 5, 141-158	1.8	12
94	Attentional load is not a critical factor for eliciting C1 attentional effect [A reply to Rauss, Pourtois, Vuilleumier, and Schwartz. <i>Biological Psychology</i> , 2012 , 91, 321-324	3.2	11
93	EFFECTS OF UNRELIABLE AUTOMATION ON DECISION MAKING IN COMMAND AND CONTROL. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002 , 46, 428-432	0.4	11
92	Supporting System-Centered View of Operators Through Ecological Interface Design: Two Experiments on Human-Centered Automation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 567-571	0.4	10
91	Effects of Automated Cueing on Decision Implementation in a Visual Search Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001 , 45, 321-325	0.4	10
90	Effects of Information and Decision Automation on Multi-Task Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002 , 46, 327-331	0.4	10
89	Interaction of semantic and perceptual processes in repetition blindness. <i>Visual Cognition</i> , 2001 , 8, 103-118	1.8	10

88	Energetics of Attention and Alzheimer's Disease 1986 , 395-407		10
87	Event Asynchrony And Task Demands In Sustained Attention. <i>Recent Research in Psychology</i> , 1987 , 33-39		10
86	Neurogenetic effects on cognition in aging brains: a window of opportunity for intervention?. <i>Frontiers in Aging Neuroscience</i> , 2010 , 2, 143	5.3	9
85	Measuring workload during a dynamic supervisory control task using cerebral blood flow velocity and the NASA-TLX. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012 , 56, 163-167	0.4	9
84	Designing Effective Alarms for Radiation Detection in Homeland Security Screening. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 856-860		9
83	Mental Workload 2002 , 17-27		9
82	Human Trust in Other Humans, Automation, Robots, and Cognitive Agents: Neural Correlates and Design Implications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014 , 58, 340-344	0.4	8
81	Interactive effects of the COMT gene and training on individual differences in supervisory control of unmanned vehicles. <i>Human Factors</i> , 2014 , 56, 760-71	3.8	8
80	A Framework for Rebuilding Trust in Social Automation Across Health-Care Domains. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2015 , 4, 201-205	0.5	8
79	Perception of Collision 568-591		8
78	Cerebral Hemovelocity and the Sustained Attention to Response Task (SART). <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012 , 56, 1436-1440	0.4	8
77	Designing an Adaptive Automation System for Human Supervision of Unmanned Vehicles: A Bridge from Theory to Practice. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008 , 52, 221-225	0.4	8
76	The Effects of Level of Automation on the Out-of-the-Loop Unfamiliarity in a Complex Dynamic Fault-Management Task during Simulated Spaceflight Operations. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001 , 45, 44-48	0.4	8
75	The Brain Is Faster than the Hand in Split-Second Intentions to Respond to an Impending Hazard: A Simulation of Neuroadaptive Automation to Speed Recovery to Perturbation in Flight Attitude. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 187	3.3	8
74	Individual differences in reasoning and visuospatial attention are associated with prefrontal and parietal white matter tracts in healthy older adults. <i>Neuropsychology</i> , 2016 , 30, 558-67	3.8	8
73	Motivation and Emotion in Sustained Attention 218-240		7
72	Sustained Attention in Operational Settings 769-792		7
71	Auditory forward collision warnings reduce crashes associated with task-induced fatigue in young and older drivers. <i>International Journal of Human Factors and Ergonomics</i> , 2014 , 3, 107	0.4	7

70	Delegating to Automation: Performance, Complacency and Bias Effects under Non-Optimal Conditions. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011 , 55, 95-99	0.4	7
69	Monitoring Automation Failures: Effects of Single and Multi-Adaptive Function Allocation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1993 , 37, 1-5	0.4	7
68	Effects of Situation-Specific Reliability on Trust and Usage of Automated Air Traffic Control Decision Aids. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 533-537	0.4	6
67	Automation-Related "Complacency" Theory, Empirical Data, and Design Implications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001 , 45, 463-467	0.4	6
66	Effects of Variable-Priority Training on Automation-Related Complacency: Performance and Eye Movements. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 346-349	0.4	6
65	Designing Automated Alerting Systems: Standard and Fuzzy Signal Detection Theory and Bayesian Analysis. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 9-12	0.4	6
64	Self-motivated visual scanning predicts flexible navigation in a virtual environment. <i>Frontiers in Human Neuroscience</i> , 2014 , 7, 892	3.3	5
63	Adaptive Automation to Improve Human Performance in Supervision of Multiple Uninhabited Aerial Vehicles: Individual Markers of Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011 , 55, 890-893	0.4	5
62	Air Traffic Controllers' Performance in Advance Air Traffic Management System: Part I Performance Results. <i>The International Journal of Aviation Psychology</i> , 2011 , 21, 283-305		5
61	Effects of Task Demands and Age on Vigilance and Subjective Workload. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1988 , 32, 1458-1462		5
60	The Use of Signal Detection Theory in Research on Human-Computer Interaction. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1985 , 29, 33-37		5
59	Effects of Manual and Autopilot Control on Mental Workload and Vigilance During Simulated General Aviation Flight. <i>Transportation Human Factors</i> , 1999 , 1, 187-200		5
58	Oxytocin influences intuitions about the relationship between belief in free will and moral responsibility. <i>Social Neuroscience</i> , 2016 , 11, 88-96	2	4
57	Underlying Spatial Skills to Support Navigation Through Large, Unconstrained Environments. <i>Applied Cognitive Psychology</i> , 2015 , 29, 608-613	2.1	4
56	Knowledge of Results and Signal Salience Modify Vigilance Performance and Cerebral Hemovelocity. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009 , 53, 1062-1065	0.4	4
55	The Visual Priming of Motion-Defined 3D Objects. <i>PLoS ONE</i> , 2015 , 10, e0144730	3.7	4
54	Uncertainty-dependent activity within the ventral striatum predicts task-related changes in response strategy. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016 , 16, 219-33	3.5	4
53	Situation Awareness in Command and Control 891-911		3

52	Best of Both Worlds: Design and Evaluation of an Adaptive Delegation Interface. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013 , 57, 255-259	0.4	3
51	Using Transcranial Doppler Sonography to Measure Cognitive Load in a Command and Control Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010 , 54, 249-253	0.4	3
50	Rimdas: A Proposed System for Reducing Runway Incursions. <i>Ergonomics in Design</i> , 2010 , 18, 10-17	1.4	3
49	Current Concepts and Trends in Human-Automation Interaction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009 , 53, 299-303	0.4	3
48	Pioneers in Cognitive Engineering & Decision Making Research [Foundational Contributions to the Science of Human-Automation Interaction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011 , 55, 321-325	0.4	3
47	Cognitive Engineering in Radiation Screening for Homeland Security. <i>Journal of Cognitive Engineering and Decision Making</i> , 2008 , 2, 204-219	2.5	3
46	Challenges to the Mindlessness Model of Vigilance through Signal Regularity. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 1673-1677	0.4	3
45	Visual Attention, Genetics and Alzheimer's Disease 2004 , 34, 271-289		3
44	Effects of Information Automation and Decision-Aiding Cueing on Action Implementation in a Visual Search Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002 , 46, 438-442	0.4	3
43	Effects of Training and Automation Reliability on Monitoring Performance in a Flight Simulation Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 53-56	0.4	3
42	Air Traffic Controller Trust in a Conflict Probe during Free Flight. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1998 , 42, 1601-1601	0.4	3
41	The Human Factors of Intelligent Travel Systems. <i>Ergonomics in Design</i> , 1993 , 1, 12-39	1.4	3
40	Static and Dynamic Discriminations in Vigilance. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 80-90		3
39	What you see depends on what you saw, and what else you saw: the interactions between motion priming and object priming. <i>Vision Research</i> , 2014 , 105, 77-85	2.1	2
38	The Measurement of Perceptual Resources and Workload		2
37	Perception and Attention		2
36	Applied Perception and Neuroergonomics		2
35	Neuroergonomics: Brain-Inspired Cognitive Engineering 2013 ,		2

34	Can Behavioral, Neuroimaging, and Molecular Genetic Studies of Cognitive Superstars Tell Us How to Augment Cognition?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011 , 55, 192-196	0.4	2
33	2010 ,		2
32	Human vs. Automation in Responding to Failures: An Expected-Value Analysis. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2000 , 44, 1-4	0.4	2
31	Monitoring Automation Failures: Effects of Automation Reliability and Task Complexity. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1992 , 36, 1518-1521		2
30	Individual performance markers and working memory predict supervisory control proficiency and effective use of adaptive automation. <i>International Journal of Human Factors and Ergonomics</i> , 2014 , 3, 15	0.4	1
29	Reducing Major Rule Violations in Commuter Rail Operations: The Role of Distraction and Attentional Errors. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012 , 56, 2331-2334	0.4	1
28	Understanding Brain Arousal and Sleep Quality Using a Neuroergonomic Smart Phone Application. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 200-210		1
27	Prevention of Rear-End Crashes in Drivers with Task-Induced Fatigue through the Use of Auditory Collision Avoidance Warnings. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2006 , 50, 2409-2413	0.4	1
26	Human Factors and Ergonomics 2006 ,		1
25	Effects of Imperfect Automation and Task Load on Human Supervision of Multiple Uninhabited Vehicles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2007 , 51, 1081-1085	0.4	1
24	Effects of Task Duration and Type of Automation Support on Human Performance and Stress in a Simulated Battlefield Engagement Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 548-552	0.4	1
23	Neurogenetics of Working Memory and Decision Making under Time Pressure. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 1-10		1
22	Towards Adaptive Automation. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 52-61		1
21	A Neuroergonomic Perspective on Human-Automation Etiquette and Trust. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 211-219		1
20	A Shocking lack of Difference: Noninvasive Brain Stimulation in Verbal and Spatial Working Memory. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013 , 57, 129-133	0.4	0
19	Automation Complacency: Using Non-Invasive Brain Stimulation to Change Attention Allocation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014 , 58, 240-244	0.4	
18	Using Simulation to Examine Perceptual Challenges Faced by Health Care Providers793-815		
17	Psychophysical Methods and Signal Detection: Recent Advances in Theory22-38		

16 Perception of Trust in Automation 488-509

15 Multimodal and Cross-Modal Perception: Audition 325-344

14 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 0.4

13 Is Visuospatial Attention Controlled by a Unitary Process Or Separate Processes?. *Proceedings of the Human Factors and Ergonomics Society*, **2009**, 53, 1239-1243 0.4

12 Controller Performance and Attention Allocation in Future Air Traffic Management: Effects of Pilot Intent Information. *Proceedings of the Human Factors and Ergonomics Society*, **2006**, 50, 1-5 0.4

11 Neuroergonomics of Visual Cognition: Research and Applications. *Proceedings of the Human Factors and Ergonomics Society*, **2007**, 51, 1311-1314 0.4

10 Cerebral Vascularity and Performance on an Abbreviated Vigilance Task. *Proceedings of the Human Factors and Ergonomics Society*, **2003**, 47, 1663-1667 0.4

9 The Effects of Task Load on Performance and Cerebral Blood Flow Velocity in a Working Memory and a Visuomotor Task. *Proceedings of the Human Factors and Ergonomics Society*, **2004**, 48, 1890-1894 0.4

8 Through the Lens: A New Approach to Decision Modeling under Free Flight. *Proceedings of the Human Factors and Ergonomics Society*, **2003**, 47, 349-353 0.4

7 Defining the Challenges Operators Face when Controlling Multiple Unmanned Vehicles. *Proceedings of the Human Factors and Ergonomics Society*, **2005**, 49, 392-396 0.4

6 Adaptive Change in the Type of Automation Support Reduces the Cost of Imperfect Decision Aids in a Simulated Battlefield Engagement Task. *Proceedings of the Human Factors and Ergonomics Society*, **2005**, 49, 307-311 0.4

5 Human Factors Challenges in Future Air Traffic Management Organizer and Panel Chair. *Proceedings of the Human Factors and Ergonomics Society*, **2001**, 45, 92-95 0.4

4 Managing the Future National Airspace System: Free Flight or Ground-Based Control with Increased Automation?. *Proceedings of the Human Factors and Ergonomics Society*, **1998**, 42, 62-66 0.4

3 Book review of Cockpit Monitoring and Alerting Systems. *The International Journal of Aviation Psychology*, **1995**, 5, 387-393

2 The Role of Event-Related Potentials in Human-Machine Applications. *Proceedings of the Human Factors Society Annual Meeting*, **1985**, 29, 981-985

1 Neurogenetics of Working Memory and Decision Making under Time Pressure. *Advances in Human Factors and Ergonomics Series*, **2010**, 1-10