

Raja Parasuraman

List of Publications by Year in descending order

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232
papers

20,253
citations

9786

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237
all docs

237
docs citations

237
times ranked

11240
citing authors

#	ARTICLE	IF	CITATIONS
1	Humans and Automation: Use, Misuse, Disuse, Abuse. Human Factors, 1997, 39, 230-253.	3.5	2,600
2	A Meta-Analysis of Factors Affecting Trust in Human-Robot Interaction. Human Factors, 2011, 53, 517-527.	3.5	1,178
3	Vigilance Requires Hard Mental Work and Is Stressful. Human Factors, 2008, 50, 433-441.	3.5	900
4	Complacency and Bias in Human Use of Automation: An Attentional Integration. Human Factors, 2010, 52, 381-410.	3.5	726
5	Performance Consequences of Automation-Induced 'Complacency'. The International Journal of Aviation Psychology, 1993, 3, 1-23.	0.7	630
6	Situation Awareness, Mental Workload, and Trust in Automation: Viable, Empirically Supported Cognitive Engineering Constructs. Journal of Cognitive Engineering and Decision Making, 2008, 2, 140-160.	2.3	490
7	Battery powered thought: Enhancement of attention, learning, and memory in healthy adults using transcranial direct current stimulation. NeuroImage, 2014, 85, 895-908.	4.2	378
8	Designing for Flexible Interaction Between Humans and Automation: Delegation Interfaces for Supervisory Control. Human Factors, 2007, 49, 57-75.	3.5	321
9	Psychophysiology and adaptive automation. Biological Psychology, 1996, 42, 249-268.	2.2	295
10	Human-Automation Interaction. Reviews of Human Factors and Ergonomics, 2005, 1, 89-129.	0.5	289
11	Humans: Still Vital After All These Years of Automation. Human Factors, 2008, 50, 511-520.	3.5	289
12	VISUOSPATIAL ATTENTION IN DEMENTIA OF THE ALZHEIMER TYPE. Brain, 1992, 115, 711-733.	7.6	271
13	Neuroergonomics: Research and practice. Theoretical Issues in Ergonomics Science, 2003, 4, 5-20.	1.8	270
14	Trust and etiquette in high-criticality automated systems. Communications of the ACM, 2004, 47, 51-55.	4.5	263
15	Almost human: Anthropomorphism increases trust resilience in cognitive agents.. Journal of Experimental Psychology: Applied, 2016, 22, 331-349.	1.2	261
16	The Vigilance Decrement Reflects Limitations in Effortful Attention, Not Mindlessness. Human Factors, 2003, 45, 349-359.	3.5	257
17	Enhancing vigilance in operators with prefrontal cortex transcranial direct current stimulation (tDCS). NeuroImage, 2014, 85, 909-917.	4.2	250
18	Designing automation for human use: empirical studies and quantitative models. Ergonomics, 2000, 43, 931-951.	2.1	227

#	ARTICLE	IF	CITATIONS
19	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996, 38, 311-322.	3.5	225
20	Effects of Adaptive Task Allocation on Monitoring of Automated Systems. <i>Human Factors</i> , 1996, 38, 665-679.	3.5	214
21	BDNF mediates improvements in executive function following a 1-year exercise intervention. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 985.	2.0	214
22	Attention and brain function in Alzheimer's disease: A review.. <i>Neuropsychology</i> , 1993, 7, 242-272.	1.3	211
23	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.	2.0	211
24	Effects of Imperfect Automation on Decision Making in a Simulated Command and Control Task. <i>Human Factors</i> , 2007, 49, 76-87.	3.5	203
25	Changes in visuospatial attention over the adult lifespan. <i>Neuropsychologia</i> , 1993, 31, 471-485.	1.6	191
26	Putting the Brain to Work: Neuroergonomics Past, Present, and Future. <i>Human Factors</i> , 2008, 50, 468-474.	3.5	190
27	Neuroergonomics: a review of applications to physical and cognitive work. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 889.	2.0	181
28	Oxytocin Receptor Genetic Variation Promotes Human Trust Behavior. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 4.	2.0	176
29	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.	3.5	169
30	Complementary Neural Mechanisms for Tracking Items in Human Working Memory. <i>Science</i> , 2000, 287, 643-646.	12.6	168
31	Automation- Induced "Complacency": Development of the Complacency-Potential Rating Scale. <i>The International Journal of Aviation Psychology</i> , 1993, 3, 111-122.	0.7	162
32	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>Neuropsychology</i> , 2005, 19, 199-211.	1.3	153
33	Vigilance: Taxonomy And Utility. <i>Recent Research in Psychology</i> , 1987, , 11-32.	0.5	150
34	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.	1.8	149
35	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.	1.1	144
36	Adaptive Aiding of Human-Robot Teaming. <i>Journal of Cognitive Engineering and Decision Making</i> , 2011, 5, 209-231.	2.3	144

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37	Attention and Driving Skills in Aging and Alzheimer's Disease. <i>Human Factors</i> , 1991, 33, 539-557.	3.5	142
38	Beyond Heritability. <i>Psychological Science</i> , 2005, 16, 200-207.	3.3	140
39	Neuroenhancement: Enhancing brain and mind in health and in disease. <i>NeuroImage</i> , 2014, 85, 889-894.	4.2	139
40	Effects of information processing demands on slow negative shift latencies and N100 amplitude in selective and divided attention. <i>Biological Psychology</i> , 1980, 11, 217-233.	2.2	138
41	Human-Computer Monitoring. <i>Human Factors</i> , 1987, 29, 695-706.	3.5	136
42	Fuzzy Signal Detection Theory: Basic Postulates and Formulas for Analyzing Human and Machine Performance. <i>Human Factors</i> , 2000, 42, 636-659.	3.5	133
43	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, 519-528.	3.5	133
44	Attention, biological motion, and action recognition. <i>NeuroImage</i> , 2012, 59, 4-13.	4.2	128
45	Neuroergonomics. <i>Current Directions in Psychological Science</i> , 2011, 20, 181-186.	5.3	124
46	Human factors and safety in the design of intelligent vehicle-highway systems (IVHS). <i>Journal of Safety Research</i> , 1992, 23, 181-198.	3.6	118
47	Individual differences in cognition, affect, and performance: Behavioral, neuroimaging, and molecular genetic approaches. <i>NeuroImage</i> , 2012, 59, 70-82.	4.2	118
48	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.	2.5	117
49	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, 1027-1039.	4.2	114
50	Human-Automation Interaction Research. <i>Ergonomics in Design</i> , 2013, 21, 9-14.	0.7	112
51	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996, 38, 311-322.	3.5	111
52	Interaction of signal discriminability and task type in vigilance decrement. <i>Perception & Psychophysics</i> , 1987, 41, 17-22.	2.3	110
53	The role of memory representation in the vigilance decrement. <i>Psychonomic Bulletin and Review</i> , 2004, 11, 932-937.	2.8	109
54	Signal regularity and the mindlessness model of vigilance. <i>British Journal of Psychology</i> , 2005, 96, 249-261.	2.3	109

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55	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.	2.0	108
56	Cerebral lateralization of vigilance: A function of task difficulty. <i>Neuropsychologia</i> , 2010, 48, 1683-1688.	1.6	107
57	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002, 16, 254-274.	1.3	104
58	Enhancing dual-task performance with verbal and spatial working memory training: Continuous monitoring of cerebral hemodynamics with NIRS. <i>NeuroImage</i> , 2014, 85, 1014-1026.	4.2	103
59	Detection and recognition: Concurrent processes in perception. <i>Perception & Psychophysics</i> , 1982, 31, 1-12.	2.3	102
60	Effects of Mental Fatigue on the Development of Physical Fatigue. <i>Human Factors</i> , 2014, 56, 645-656.	3.5	98
61	Skill development in vigilance: Effects of event rate and age.. <i>Psychology and Aging</i> , 1991, 6, 155-169.	1.6	97
62	Auditory Evoked Potentials and Divided Attention. <i>Psychophysiology</i> , 1978, 15, 460-465.	2.4	96
63	Scale of attentional focus in visual search. <i>Perception & Psychophysics</i> , 1999, 61, 837-859.	2.3	96
64	Effects of sensory modality on cerebral blood flow velocity during vigilance. <i>Neuroscience Letters</i> , 2009, 461, 207-211.	2.1	96
65	Sustained-attention capacity in young and older adults.. <i>Psychology and Aging</i> , 1989, 4, 339-345.	1.6	94
66	Controlling the focus of spatial attention during visual search: Effects of advanced aging and Alzheimer disease.. <i>Neuropsychology</i> , 1997, 11, 3-12.	1.3	93
67	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.	1.1	88
68	Normal Genetic Variation, Cognition, and Aging. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003, 2, 278-306.	3.9	88
69	The abbreviated vigilance task and cerebral hemodynamics. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2007, 29, 545-552.	1.3	87
70	The scaling of spatial attention in visual search and its modification in healthy aging. <i>Perception & Psychophysics</i> , 2004, 66, 3-22.	2.3	84
71	Transcranial Direct Current Stimulation Augments Perceptual Sensitivity and 24-Hour Retention in a Complex Threat Detection Task. <i>PLoS ONE</i> , 2012, 7, e34993.	2.5	80
72	Cerebral Hemodynamics and Vigilance Performance. <i>Military Psychology</i> , 2009, 21, S75-S100.	1.1	79

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73	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.	2.0	77
74	A Little Anthropomorphism Goes a Long Way. <i>Human Factors</i> , 2017, 59, 116-133.	3.5	74
75	Selective attention to face identity and color studied with fMRI. , 1997, 5, 293-297.		70
76	The World is not Enough: Trust in <i>Cognitive</i> Agents. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 263-267.	0.3	70
77	Sensory and Cognitive Vigilance: Effects of Age on Performance and Subjective Workload. <i>Human Performance</i> , 1993, 6, 71-97.	2.4	69
78	Sustained Attention in Mild Alzheimer's Disease. <i>Developmental Neuropsychology</i> , 2005, 28, 507-537.	1.4	68
79	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.	0.7	63
80	Neuroergonomics: The brain in action and at work. <i>NeuroImage</i> , 2012, 59, 1-3.	4.2	62
81	Selective impairment of spatial attention during visual search in Alzheimer's disease. <i>NeuroReport</i> , 1995, 6, 1861-1864.	1.2	61
82	Alzheimer disease constricts the dynamic range of spatial attention in visual search. <i>Neuropsychologia</i> , 2000, 38, 1126-1135.	1.6	60
83	Divided attention and metabolic brain dysfunction in mild dementia of the Alzheimer's type. <i>Neuropsychologia</i> , 1991, 29, 379-387.	1.6	58
84	Specificity of the Effect of a Nicotinic Receptor Polymorphism on Individual Differences in Visuospatial Attention. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1611-1620.	2.3	58
85	Using Noninvasive Brain Stimulation to Accelerate Learning and Enhance Human Performance. <i>Human Factors</i> , 2014, 56, 816-824.	3.5	57
86	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.	2.5	56
87	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002, 16, 254-274.	1.3	56
88	When and where perceptual load interacts with voluntary visuospatial attention: An event-related potential and dipole modeling study. <i>NeuroImage</i> , 2008, 39, 1345-1355.	4.2	55
89	Event-related potentials reveal dissociable mechanisms for orienting and focusing visuospatial attention. <i>Cognitive Brain Research</i> , 2005, 23, 341-353.	3.0	54
90	A Design Methodology for Trust Cue Calibration in Cognitive Agents. <i>Lecture Notes in Computer Science</i> , 2014, , 251-262.	1.3	54

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91	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.	1.2	52
92	Individual Differences in Monitoring Failures of Automation. Journal of General Psychology, 1993, 120, 357-373.	2.8	51
93	Attentional disengagement deficit in nondemented elderly over 75 years of age. Aging, Neuropsychology, and Cognition, 1994, 1, 188-202.	1.3	51
94	Vigilance: A Perceptual Challenge. , 2015, , 241-283.		51
95	Cognition and flight performance in older pilots.. Journal of Experimental Psychology: Applied, 1997, 3, 313-348.	1.2	50
96	Automation-induced monitoring inefficiency: role of display location. International Journal of Human Computer Studies, 1997, 46, 17-30.	5.6	50
97	The mechanisms of far transfer from cognitive training: Review and hypothesis.. Neuropsychology, 2016, 30, 742-755.	1.3	47
98	Prefrontal Hemodynamics of Physical Activity and Environmental Complexity During Cognitive Work. Human Factors, 2017, 59, 147-162.	3.5	47
99	Speed of information processing and attention in early Alzheimer's dementia. Developmental Neuropsychology, 1991, 7, 243-256.	1.4	44
100	Event-related cerebral hemodynamics reveal target-specific resource allocation for both "œgo" and "œno-go" response-based vigilance tasks. Brain and Cognition, 2013, 82, 265-273.	1.8	43
101	Human Versus Automation in Responding to Failures: An Expected-Value Analysis. Human Factors, 2000, 42, 403-407.	3.5	41
102	Automated fault-management in a simulated spaceflight micro-world. Aviation, Space, and Environmental Medicine, 2002, 73, 886-97.	0.5	41
103	Adaptable and Adaptive Automation for Supervisory Control of Multiple Autonomous Vehicles. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 428-432.	0.3	39
104	Object-Based Attentional Modulation of Biological Motion Processing: Spatiotemporal Dynamics Using Functional Magnetic Resonance Imaging and Electroencephalography. Journal of Neuroscience, 2010, 30, 9064-9073.	3.6	38
105	A cognitive phenotype for a polymorphism in the nicotinic receptor gene CHRNA4. Neuroscience and Biobehavioral Reviews, 2012, 36, 1331-1341.	6.1	37
106	Transitioning to Future Air Traffic Management: Effects of Imperfect Automation on Controller Attention and Performance. Human Factors, 2010, 52, 411-425.	3.5	36
107	Attention and Driving. Clinics in Geriatric Medicine, 1993, 9, 377-387.	2.6	35
108	Neuroergonomics and human error. Theoretical Issues in Ergonomics Science, 2010, 11, 402-421.	1.8	35

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109	Neural Adaptation Provides Evidence for Categorical Differences in Processing of Faces and Chinese Characters: An ERP Study of the N170. PLoS ONE, 2012, 7, e41103.	2.5	35
110	Scaling of visuospatial attention undergoes differential longitudinal change as a function of APOE genotype prior to old age: Results from the NIMH BIOCARD Study.. Neuropsychology, 2005, 19, 830-840.	1.3	34
111	Team Performance in Networked Supervisory Control of Unmanned Air Vehicles. Human Factors, 2014, 56, 463-475.	3.5	33
112	Longitudinal change in working memory as a function of <scp>APOE</scp> genotype in midlife and old age. Scandinavian Journal of Psychology, 2014, 55, 268-277.	1.5	33
113	Aging and Cognitive Vigilance: Effects of Spatial Uncertainty and Event Rate. Experimental Aging Research, 1995, 21, 17-32.	1.2	32
114	The Sustained Attention to Response Task (SART) Does Not Promote Mindlessness During Vigilance Performance. Human Factors, 2014, 56, 1364-1379.	3.5	31
115	Advice Taking from Humans and Machines: An fMRI and Effective Connectivity Study. Frontiers in Human Neuroscience, 2016, 10, 542.	2.0	31
116	Transcranial direct current stimulation facilitates cognitive multi-task performance differentially depending on anode location and subtask. Frontiers in Human Neuroscience, 2014, 8, 665.	2.0	30
117	Assaying individual differences in cognition with molecular genetics: theory and application. Theoretical Issues in Ergonomics Science, 2009, 10, 399-416.	1.8	28
118	Acetylcholine affects the spatial scale of attention: Evidence from Alzheimer's disease.. Neuropsychology, 2000, 14, 288-298.	1.3	27
119	Fuzzy signal detection theory: analysis of human and machine performance in air traffic control, and analytic considerations. Ergonomics, 2003, 46, 1045-1074.	2.1	27
120	Both a Nicotinic Single Nucleotide Polymorphism (SNP) and a Noradrenergic SNP Modulate Working Memory Performance when Attention is Manipulated. Journal of Cognitive Neuroscience, 2009, 21, 2139-2153.	2.3	26
121	Effects of aging on the speed and attentional cost of cognitive operations. Developmental Neuropsychology, 1991, 7, 421-434.	1.4	25
122	The influence of apolipoprotein e genotype on visuospatial attention dissipates after age 80.. Neuropsychology, 2009, 23, 81-89.	1.3	25
123	Sans subjectivity - ergonomics is engineering. Ergonomics, 2002, 45, 991-994.	2.1	24
124	Contextual task difficulty modulates stimulus discrimination: Electrophysiological evidence for interaction between sensory and executive processes. Psychophysiology, 2012, 49, 1384-1393.	2.4	23
125	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.	2.0	23
126	An fMRI and effective connectivity study investigating miss errors during advice utilization from human and machine agents. Social Neuroscience, 2017, 12, 570-581.	1.3	23

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127	Dopamine Beta Hydroxylase Genotype Identifies Individuals Less Susceptible to Bias in Computer-Assisted Decision Making. PLoS ONE, 2012, 7, e39675.	2.5	21
128	Trust as a Construct for Evaluation of Automated Aids: Past and Future Theory and Research. Proceedings of the Human Factors and Ergonomics Society, 1999, 43, 184-187.	0.3	20
129	Neural correlates of perceptual priming of visual motion. Brain Research Bulletin, 2002, 57, 211-219.	3.0	20
130	Neuroergonomics: Applications of Neuroscience to Human Factors. , 0, , 704-722.		20
131	Aging and Repetition Priming for Targets and Distracters in a Working Memory Task. Aging, Neuropsychology, and Cognition, 2006, 13, 552-573.	1.3	19
132	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. Frontiers in Human Neuroscience, 2016, 10, 187.	2.0	19
133	Collecting health-related data on the smart phone: mental models, cost of collection, and perceived benefit of feedback. Personal and Ubiquitous Computing, 2013, 17, 561-570.	2.8	18
134	Statistical modelling of networked human-automation performance using working memory capacity. Ergonomics, 2014, 57, 295-318.	2.1	18
135	Effects of Automated Conflict Cuing and Traffic Density on Air Traffic Controller Performance and Visual Attention in a Datalink Environment. The International Journal of Aviation Psychology, 2006, 16, 343-362.	0.7	17
136	Perceptual load, voluntary attention, and aging: An event-related potential study. International Journal of Psychophysiology, 2012, 84, 17-25.	1.0	17
137	Enhancing multiple object tracking performance with noninvasive brain stimulation: a causal role for the anterior intraparietal sulcus. Frontiers in Systems Neuroscience, 2015, 9, 3.	2.5	17
138	Evaluating the Benefits and Potential Costs of Automation Delegation for Supervisory Control of Multiple UAVs. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1498-1502.	0.3	16
139	Attentional costs of mental operations in young and old adults. Developmental Neuropsychology, 1989, 5, 141-158.	1.4	15
140	EFFECTS OF UNRELIABLE AUTOMATION ON DECISION MAKING IN COMMAND AND CONTROL. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 428-432.	0.3	15
141	Supporting System-Centered View of Operators Through Ecological Interface Design: Two Experiments on Human-Centered Automation. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 567-571.	0.3	15
142	Human Trust in Other Humans, Automation, Robots, and Cognitive Agents. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 340-344.	0.3	15
143	Activation and inhibition of posterior parietal cortex have bi-directional effects on spatial errors following interruptions. Frontiers in Systems Neuroscience, 2014, 8, 245.	2.5	15
144	Energetics of Attention and Alzheimer's Disease. , 1986, , 395-407.		15

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145	Effects of Information and Decision Automation on Multi-Task Performance. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 327-331.	0.3	14
146	Attentional load is not a critical factor for eliciting C1 attentional effect â€“ A reply to Rauss, Pourtois, Vuilleumier, and Schwartz. Biological Psychology, 2012, 91, 321-324.	2.2	14
147	The Effects of Level of Automation on the Out-of-the-Loop Unfamiliarity in a Complex Dynamic Fault-Management Task during Simulated Spaceflight Operations. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 44-48.	0.3	13
148	Effects of Automated Cueing on Decision Implementation in a Visual Search Task. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 321-325.	0.3	13
149	A Framework for Rebuilding Trust in Social Automation Across Health-Care Domains. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2015, 4, 201-205.	0.3	13
150	Designing an Adaptive Automation System for Human Supervision of Unmanned Vehicles: A Bridge from Theory to Practice. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 221-225.	0.3	12
151	Event Asynchrony And Task Demands In Sustained Attention. Recent Research in Psychology, 1987, , 33-39.	0.5	12
152	Interaction of semantic and perceptual processes in repetition blindness. Visual Cognition, 2001, 8, 103-118.	1.6	11
153	Mental Workload. , 2002, , 17-27.		11
154	Designing Effective Alarms for Radiation Detection in Homeland Security Screening. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 856-860.	2.9	11
155	Auditory forward collision warnings reduce crashes associated with task-induced fatigue in young and older drivers. International Journal of Human Factors and Ergonomics, 2014, 3, 107.	0.3	11
156	Perception of Collision. , 2015, , 568-591.		11
157	Effects of Situation-Specific Reliability on Trust and Usage of Automated Air Traffic Control Decision Aids. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 533-537.	0.3	10
158	Neurogenetic effects on cognition in aging brains: a window of opportunity for intervention?. Frontiers in Aging Neuroscience, 2010, 2, 143.	3.4	10
159	Delegating to Automation: Performance, Complacency and Bias Effects under Non-Optimal Conditions. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 95-99.	0.3	10
160	Underlying Spatial Skills to Support Navigation Through Large, Unconstrained Environments. Applied Cognitive Psychology, 2015, 29, 608-613.	1.6	10
161	Individual differences in reasoning and visuospatial attention are associated with prefrontal and parietal white matter tracts in healthy older adults.. Neuropsychology, 2016, 30, 558-567.	1.3	10
162	Measuring workload during a dynamic supervisory control task using cerebral blood flow velocity and the NASA-TLX. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 163-167.	0.3	9

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163	Cerebral Hemovelocity and the Sustained Attention to Response Task (SART). Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1436-1440.	0.3	9
164	Interactive Effects of the COMT Gene and Training on Individual Differences in Supervisory Control of Unmanned Vehicles. Human Factors, 2014, 56, 760-771.	3.5	9
165	Motivation and Emotion in Sustained Attention. , 2015, , 218-240.		9
166	Monitoring Automation Failures: Effects of Single and Multi-Adaptive Function Allocation. Proceedings of the Human Factors and Ergonomics Society, 1993, 37, 1-5.	0.3	8
167	Automation-Related "Complacency" Theory, Empirical Data, and Design Implications. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 463-467.	0.3	8
168	Uncertainty-dependent activity within the ventral striatum predicts task-related changes in response strategy. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 219-233.	2.0	8
169	Oxytocin influences intuitions about the relationship between belief in free will and moral responsibility. Social Neuroscience, 2016, 11, 88-96.	1.3	8
170	Effects of Task Demands and Age on Vigilance and Subjective Workload. Proceedings of the Human Factors Society Annual Meeting, 1988, 32, 1458-1462.	0.1	7
171	Effects of Variable-Priority Training on Automation-Related Complacency: Performance and Eye Movements. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 346-349.	0.3	7
172	Designing Automated Alerting Systems: Standard and Fuzzy Signal Detection Theory and Bayesian Analysis. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 9-12.	0.3	7
173	Air Traffic Controllers' Performance in Advance Air Traffic Management System: Part I "Performance Results. The International Journal of Aviation Psychology, 2011, 21, 283-305.	0.7	7
174	Self-motivated visual scanning predicts flexible navigation in a virtual environment. Frontiers in Human Neuroscience, 2014, 7, 892.	2.0	7
175	Sustained Attention in Operational Settings. , 0, , 769-792.		7
176	Effects of Manual and Autopilot Control on Mental Workload and Vigilance During Simulated General Aviation Flight. Transportation Human Factors, 1999, 1, 187-200.	0.3	7
177	Rimdas: A Proposed System for Reducing Runway Incursions. Ergonomics in Design, 2010, 18, 10-17.	0.7	6
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