

Raja Parasuraman

List of Publications by Year in descending order

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Version: 2024-02-01

232
papers

20,253
citations

9786

73
h-index

11308

136
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237
all docs

237
docs citations

237
times ranked

11240
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefrontal Hemodynamics of Physical Activity and Environmental Complexity During Cognitive Work. <i>Human Factors</i> , 2017, 59, 147-162.	3.5	47
2	A Little Anthropomorphism Goes a Long Way. <i>Human Factors</i> , 2017, 59, 116-133.	3.5	74
3	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.	1.3	23
4	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.	2.0	19
5	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
6	Advice Taking from Humans and Machines: An fMRI and Effective Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 542.	2.0	31
7	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, 558-567.	1.3	10
8	Uncertainty-dependent activity within the ventral striatum predicts task-related changes in response strategy. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 219-233.	2.0	8
9	Almost human: Anthropomorphism increases trust resilience in cognitive agents.. <i>Journal of Experimental Psychology: Applied</i> , 2016, 22, 331-349.	1.2	261
10	The mechanisms of far transfer from cognitive training: Review and hypothesis.. <i>Neuropsychology</i> , 2016, 30, 742-755.	1.3	47
11	Oxytocin influences intuitions about the relationship between belief in free will and moral responsibility. <i>Social Neuroscience</i> , 2016, 11, 88-96.	1.3	8
12	Motivation and Emotion in Sustained Attention. , 2015, , 218-240.		9
13	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.	0.3	13
14	Underlying Spatial Skills to Support Navigation Through Large, Unconstrained Environments. <i>Applied Cognitive Psychology</i> , 2015, 29, 608-613.	1.6	10
15	Vigilance: A Perceptual Challenge. , 2015, , 241-283.		51
16	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.	2.5	17
17	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
18	Perception of Collision. , 2015, , 568-591.		11

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19	Situation Awareness in Command and Control. , 2015, , 891-911.		3
20	The Visual Priming of Motion-Defined 3D Objects. PLoS ONE, 2015, 10, e0144730.	2.5	6
21	Self-motivated visual scanning predicts flexible navigation in a virtual environment. Frontiers in Human Neuroscience, 2014, 7, 892.	2.0	7
22	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
23	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.	0.3	0
24	Team Performance in Networked Supervisory Control of Unmanned Air Vehicles. Human Factors, 2014, 56, 463-475.	3.5	33
25	Using Noninvasive Brain Stimulation to Accelerate Learning and Enhance Human Performance. Human Factors, 2014, 56, 816-824.	3.5	57
26	Individual performance markers and working memory predict supervisory control proficiency and effective use of adaptive automation. International Journal of Human Factors and Ergonomics, 2014, 3, 15.	0.3	1
27	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
28	The Sustained Attention to Response Task (SART) Does Not Promote Mindlessness During Vigilance Performance. Human Factors, 2014, 56, 1364-1379.	3.5	31
29	BDNF mediates improvements in executive function following a 1-year exercise intervention. Frontiers in Human Neuroscience, 2014, 8, 985.	2.0	214
30	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
31	Enhancing vigilance in operators with prefrontal cortex transcranial direct current stimulation (tDCS). NeuroImage, 2014, 85, 909-917.	4.2	250
32	Effects of Mental Fatigue on the Development of Physical Fatigue. Human Factors, 2014, 56, 645-656.	3.5	98
33	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
34	Statistical modelling of networked human-automation performance using working memory capacity. Ergonomics, 2014, 57, 295-318.	2.1	18
35	What you see depends on what you saw, and what else you saw: The interactions between motion priming and object priming. Vision Research, 2014, 105, 77-85.	1.4	2
36	Neurocognitive enhancement in older adults: Comparison of three cognitive training tasks to test a hypothesis of training transfer in brain connectivity. NeuroImage, 2014, 85, 1027-1039.	4.2	114

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37	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
38	Neuroenhancement: Enhancing brain and mind in health and in disease. <i>NeuroImage</i> , 2014, 85, 889-894.	4.2	139
39	Automation Complacency. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 240-244.	0.3	1
40	Human Trust in Other Humans, Automation, Robots, and Cognitive Agents. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 340-344.	0.3	15
41	Interactive Effects of the COMT Gene and Training on Individual Differences in Supervisory Control of Unmanned Vehicles. <i>Human Factors</i> , 2014, 56, 760-771.	3.5	9
42	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.	2.5	15
43	A Design Methodology for Trust Cue Calibration in Cognitive Agents. <i>Lecture Notes in Computer Science</i> , 2014, , 251-262.	1.3	54
44	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.	2.8	18
45	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, 265-273.	1.8	43
46	Human-Automation Interaction Research. <i>Ergonomics in Design</i> , 2013, 21, 9-14.	0.7	112
47	A Shocking lack of Difference. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 129-133.	0.3	1
48	Best of Both Worlds. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 255-259.	0.3	3
49	Neuroergonomics: Brain-Inspired Cognitive Engineering. , 2013, , .		4
50	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.	2.0	23
51	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
52	Neuroergonomics: a review of applications to physical and cognitive work. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 889.	2.0	181
53	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.	0.3	9
54	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.	0.3	39

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55	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
56	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.	0.3	1
57	The World is not Enough: Trust in <i>Cognitive</i> Agents. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 263-267.	0.3	70
58	Individual differences in cognition, affect, and performance: Behavioral, neuroimaging, and molecular genetic approaches. NeuroImage, 2012, 59, 70-82.	4.2	118
59	Contextual task difficulty modulates stimulus discrimination: Electrophysiological evidence for interaction between sensory and executive processes. Psychophysiology, 2012, 49, 1384-1393.	2.4	23
60	Perceptual load, voluntary attention, and aging: An event-related potential study. International Journal of Psychophysiology, 2012, 84, 17-25.	1.0	17
61	Attentional load is not a critical factor for eliciting C1 attentional effect – A reply to Rauss, Pourtois, Vuilleumier, and Schwartz. Biological Psychology, 2012, 91, 321-324.	2.2	14
62	Attention, biological motion, and action recognition. NeuroImage, 2012, 59, 4-13.	4.2	128
63	Neuroergonomics: The brain in action and at work. NeuroImage, 2012, 59, 1-3.	4.2	62
64	Transcranial Direct Current Stimulation Augments Perceptual Sensitivity and 24-Hour Retention in a Complex Threat Detection Task. PLoS ONE, 2012, 7, e34993.	2.5	80
65	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
66	Oxytocin Receptor Genetic Variation Promotes Human Trust Behavior. Frontiers in Human Neuroscience, 2012, 6, 4.	2.0	176
67	A cognitive phenotype for a polymorphism in the nicotinic receptor gene CHRNA4. Neuroscience and Biobehavioral Reviews, 2012, 36, 1331-1341.	6.1	37
68	Dopamine Beta Hydroxylase Genotype Identifies Individuals Less Susceptible to Bias in Computer-Assisted Decision Making. PLoS ONE, 2012, 7, e39675.	2.5	21
69	Neuroergonomics. Current Directions in Psychological Science, 2011, 20, 181-186.	5.3	124
70	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
71	Adaptive Automation to Improve Human Performance in Supervision of Multiple Uninhabited Aerial Vehicles: Individual Markers of Performance. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 890-893.	0.3	6
72	Can Behavioral, Neuroimaging, and Molecular Genetic Studies of "Cognitive Superstars" Tell Us How to Augment Cognition?. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 192-196.	0.3	2

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73	A Meta-Analysis of Factors Affecting Trust in Human-Robot Interaction. Human Factors, 2011, 53, 517-527.	3.5	1,178
74	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
75	Adaptive Aiding of Human-Robot Teaming. Journal of Cognitive Engineering and Decision Making, 2011, 5, 209-231.	2.3	144
76	Pioneers in Cognitive Engineering & Decision Making Research - Foundational Contributions to the Science of Human-Automation Interaction. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 321-325.	0.3	3
77	Transitioning to Future Air Traffic Management: Effects of Imperfect Automation on Controller Attention and Performance. Human Factors, 2010, 52, 411-425.	3.5	36
78	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
79	Cerebral lateralization of vigilance: A function of task difficulty. Neuropsychologia, 2010, 48, 1683-1688.	1.6	107
80	Neurogenetic effects on cognition in aging brains: a window of opportunity for intervention?. Frontiers in Aging Neuroscience, 2010, 2, 143.	3.4	10
81	Using Transcranial Doppler Sonography to Measure Cognitive Load in a Command and Control Task. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 249-253.	0.3	3
82	Rimdas: A Proposed System for Reducing Runway Incursions. Ergonomics in Design, 2010, 18, 10-17.	0.7	6
83	Complacency and Bias in Human Use of Automation: An Attentional Integration. Human Factors, 2010, 52, 381-410.	3.5	726
84	Neuroergonomics and human error. Theoretical Issues in Ergonomics Science, 2010, 11, 402-421.	1.8	35
85	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
86	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
87	TECRA: C2 application of adaptive automation theory. , 2010, , .		3
88	Neurogenetics of Working Memory and Decision Making under Time Pressure. Advances in Human Factors and Ergonomics Series, 2010, , 1-10.	0.2	2
89	Towards Adaptive Automation. Advances in Human Factors and Ergonomics Series, 2010, , 52-61.	0.2	1
90	Static and Dynamic Discriminations in Vigilance. Advances in Human Factors and Ergonomics Series, 2010, , 80-90.	0.2	3

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91	Neurogenetics of Working Memory and Decision Making under Time Pressure. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 1-10.	0.2	0
92	A Neuroergonomic Perspective on Human-Automation Etiquette and Trust. <i>Advances in Human Factors and Ergonomics Series</i> , 2010, , 211-219.	0.2	1
93	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
94	Assaying individual differences in cognition with molecular genetics: theory and application. <i>Theoretical Issues in Ergonomics Science</i> , 2009, 10, 399-416.	1.8	28
95	Is Visuospatial Attention Controlled by a Unitary Process Or Separate Processes?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 1239-1243.	0.3	0
96	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, 2139-2153.	2.3	26
97	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
98	Cerebral Hemodynamics and Vigilance Performance. <i>Military Psychology</i> , 2009, 21, S75-S100.	1.1	79
99	Current Concepts and Trends in Human-Automation Interaction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 299-303.	0.3	3
100	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.	0.3	4
101	Effects of sensory modality on cerebral blood flow velocity during vigilance. <i>Neuroscience Letters</i> , 2009, 461, 207-211.	2.1	96
102	The influence of apolipoprotein e genotype on visuospatial attention dissipates after age 80.. <i>Neuropsychology</i> , 2009, 23, 81-89.	1.3	25
103	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, 275-290.	1.2	52
104	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.	2.9	11
105	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
106	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.	2.3	490
107	Cognitive Engineering in Radiation Screening for Homeland Security. <i>Journal of Cognitive Engineering and Decision Making</i> , 2008, 2, 204-219.	2.3	4
108	Putting the Brain to Work: Neuroergonomics Past, Present, and Future. <i>Human Factors</i> , 2008, 50, 468-474.	3.5	190

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109	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
110	Vigilance Requires Hard Mental Work and Is Stressful. Human Factors, 2008, 50, 433-441.	3.5	900
111	Humans: Still Vital After All These Years of Automation. Human Factors, 2008, 50, 511-520.	3.5	289
112	Effects of Imperfect Automation on Decision Making in a Simulated Command and Control Task. Human Factors, 2007, 49, 76-87.	3.5	203
113	Designing for Flexible Interaction Between Humans and Automation: Delegation Interfaces for Supervisory Control. Human Factors, 2007, 49, 57-75.	3.5	321
114	Neuroergonomics of Visual Cognition: Research and Applications. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 1311-1314.	0.3	0
115	Effects of Imperfect Automation and Task Load on Human Supervision of Multiple Uninhabited Vehicles. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 1081-1085.	0.3	2
116	The abbreviated vigilance task and cerebral hemodynamics. Journal of Clinical and Experimental Neuropsychology, 2007, 29, 545-552.	1.3	87
117	Aging and Repetition Priming for Targets and Distracters in a Working Memory Task. Aging, Neuropsychology, and Cognition, 2006, 13, 552-573.	1.3	19
118	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
119	Interactive effects of APOE and CHRNA4 on attention and white matter volume in healthy middle-aged and older adults. Cognitive, Affective and Behavioral Neuroscience, 2006, 6, 31-43.	2.0	77
120	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.	0.3	0
121	Prevention of Rear-End Crashes in Drivers with Task-Induced Fatigue through the Use of Auditory Collision Avoidance Warnings. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 2409-2413.	0.3	1
122	Automation in Future Air Traffic Management: Effects of Decision Aid Reliability on Controller Performance and Mental Workload. Human Factors, 2005, 47, 35-49.	3.5	169
123	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.. Neuropsychology, 2005, 19, 199-211.	1.3	153
124	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
125	Signal regularity and the mindlessness model of vigilance. British Journal of Psychology, 2005, 96, 249-261.	2.3	109
126	Event-related potentials reveal dissociable mechanisms for orienting and focusing visuospatial attention. Cognitive Brain Research, 2005, 23, 341-353.	3.0	54

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127	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
128	Human-Automation Interaction. <i>Reviews of Human Factors and Ergonomics</i> , 2005, 1, 89-129.	0.5	289
129	Beyond Heritability. <i>Psychological Science</i> , 2005, 16, 200-207.	3.3	140
130	Sustained Attention in Mild Alzheimer's Disease. <i>Developmental Neuropsychology</i> , 2005, 28, 507-537.	1.4	68
131	Defining the Challenges Operators Face when Controlling Multiple Unmanned Vehicles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005, 49, 392-396.	0.3	0
132	Adaptive Change in the Type of Automation Support Reduces the Cost of Imperfect Decision Aids in a Simulated Battlefield Engagement Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005, 49, 307-311.	0.3	1
133	The Effects of Task Load on Performance and Cerebral Blood Flow Velocity in a Working Memory and a Visuomotor Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2004, 48, 1890-1894.	0.3	0
134	Trust and etiquette in high-criticality automated systems. <i>Communications of the ACM</i> , 2004, 47, 51-55.	4.5	263
135	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
136	The role of memory representation in the vigilance decrement. <i>Psychonomic Bulletin and Review</i> , 2004, 11, 932-937.	2.8	109
137	Visual Attention, Genetics and Alzheimer's Disease. , 2004, 34, 271-289.		3
138	Normal Genetic Variation, Cognition, and Aging. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003, 2, 278-306.	3.9	88
139	Neuroergonomics: Research and practice. <i>Theoretical Issues in Ergonomics Science</i> , 2003, 4, 5-20.	1.8	270
140	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.	0.3	10
141	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.	0.3	1
142	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.	0.3	15
143	Fuzzy signal detection theory: analysis of human and machine performance in air traffic control, and analytic considerations. <i>Ergonomics</i> , 2003, 46, 1045-1074.	2.1	27
144	Through the Lens: A New Approach to Decision Modeling under Free Flight. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003, 47, 349-353.	0.3	0

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145	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
146	Challenges to the Mindlessness Model of Vigilance through Signal Regularity. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003, 47, 1673-1677.	0.3	3
147	The Vigilance Decrement Reflects Limitations in Effortful Attention, Not Mindlessness. <i>Human Factors</i> , 2003, 45, 349-359.	3.5	257
148	Cerebral Vascularity and Performance on an Abbreviated Vigilance Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003, 47, 1663-1667.	0.3	3
149	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.	0.3	15
150	Effects of Information and Decision Automation on Multi-Task Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002, 46, 327-331.	0.3	14
151	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.	0.3	4
152	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002, 16, 254-274.	1.3	104
153	Sans subjectivity - ergonomics is engineering. <i>Ergonomics</i> , 2002, 45, 991-994.	2.1	24
154	Neural correlates of perceptual priming of visual motion. <i>Brain Research Bulletin</i> , 2002, 57, 211-219.	3.0	20
155	Mental Workload. , 2002, , 17-27.		11
156	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002, 16, 254-274.	1.3	56
157	Automated fault-management in a simulated spaceflight micro-world. <i>Aviation, Space, and Environmental Medicine</i> , 2002, 73, 886-97.	0.5	41
158	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
159	Interaction of semantic and perceptual processes in repetition blindness. <i>Visual Cognition</i> , 2001, 8, 103-118.	1.6	11
160	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.	0.3	13
161	Human Factors Challenges in Future Air Traffic Management Organizer and Panel Chair. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 92-95.	0.3	0
162	Automation-Related "Complacency" Theory, Empirical Data, and Design Implications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 463-467.	0.3	8

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163	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
164	The Role of the Air Traffic Controller in Future Air Traffic Management: An Empirical Study of Active Control versus Passive Monitoring. Human Factors, 2001, 43, 519-528.	3.5	133
165	Acetylcholine affects the spatial scale of attention: Evidence from Alzheimer's disease.. Neuropsychology, 2000, 14, 288-298.	1.3	27
166	Human Versus Automation in Responding to Failures: An Expected-Value Analysis. Human Factors, 2000, 42, 403-407.	3.5	41
167	Alzheimer disease constricts the dynamic range of spatial attention in visual search. Neuropsychologia, 2000, 38, 1126-1135.	1.6	60
168	Effects of Training and Automation Reliability on Monitoring Performance in a Flight Simulation Task. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 53-56.	0.3	4
169	Human vs. Automation in Responding to Failures: An Expected-Value Analysis. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 1-4.	0.3	3
170	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
171	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
172	Fuzzy Signal Detection Theory: Basic Postulates and Formulas for Analyzing Human and Machine Performance. Human Factors, 2000, 42, 636-659.	3.5	133
173	Complementary Neural Mechanisms for Tracking Items in Human Working Memory. Science, 2000, 287, 643-646.	12.6	168
174	Designing automation for human use: empirical studies and quantitative models. Ergonomics, 2000, 43, 931-951.	2.1	227
175	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
176	Scale of attentional focus in visual search. Perception & Psychophysics, 1999, 61, 837-859.	2.3	96
177	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
178	Air Traffic Controller Trust in a Conflict Probe during Free Flight. Proceedings of the Human Factors and Ergonomics Society, 1998, 42, 1601-1601.	0.3	3
179	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.	0.3	0
180	Humans and Automation: Use, Misuse, Disuse, Abuse. Human Factors, 1997, 39, 230-253.	3.5	2,600

#	ARTICLE	IF	CITATIONS
181	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
182	Cognition and flight performance in older pilots.. <i>Journal of Experimental Psychology: Applied</i> , 1997, 3, 313-348.	1.2	50
183	Selective attention to face identity and color studied with fMRI. , 1997, 5, 293-297.		70
184	Automation-induced monitoring inefficiency: role of display location. <i>International Journal of Human Computer Studies</i> , 1997, 46, 17-30.	5.6	50
185	Psychophysiology and adaptive automation. <i>Biological Psychology</i> , 1996, 42, 249-268.	2.2	295
186	Effects of Adaptive Task Allocation on Monitoring of Automated Systems. <i>Human Factors</i> , 1996, 38, 665-679.	3.5	214
187	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996, 38, 311-322.	3.5	225
188	Monitoring an Automated System for a Single Failure: Vigilance and Task Complexity Effects. <i>Human Factors</i> , 1996, 38, 311-322.	3.5	111
189	Selective impairment of spatial attention during visual search in Alzheimer's disease. <i>NeuroReport</i> , 1995, 6, 1861-1864.	1.2	61
190	Book review of Cockpit Monitoring and Alerting Systems. <i>The International Journal of Aviation Psychology</i> , 1995, 5, 387-393.	0.7	0
191	Aging and Cognitive Vigilance: Effects of Spatial Uncertainty and Event Rate. <i>Experimental Aging Research</i> , 1995, 21, 17-32.	1.2	32
192	Attentional disengagement deficit in nondemented elderly over 75 years of age. <i>Aging, Neuropsychology, and Cognition</i> , 1994, 1, 188-202.	1.3	51
193	Changes in visuospatial attention over the adult lifespan. <i>Neuropsychologia</i> , 1993, 31, 471-485.	1.6	191
194	Individual Differences in Monitoring Failures of Automation. <i>Journal of General Psychology</i> , 1993, 120, 357-373.	2.8	51
195	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
196	Performance Consequences of Automation-Induced 'Complacency'. <i>The International Journal of Aviation Psychology</i> , 1993, 3, 1-23.	0.7	630
197	Sensory and Cognitive Vigilance: Effects of Age on Performance and Subjective Workload. <i>Human Performance</i> , 1993, 6, 71-97.	2.4	69
198	The Human Factors of Intelligent Travel Systems. <i>Ergonomics in Design</i> , 1993, 1, 12-39.	0.7	4

#	ARTICLE	IF	CITATIONS
199	Attention and brain function in Alzheimer's disease: A review.. Neuropsychology, 1993, 7, 242-272.	1.3	211
200	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
201	Attention and Driving. Clinics in Geriatric Medicine, 1993, 9, 377-387.	2.6	35
202	VISUOSPATIAL ATTENTION IN DEMENTIA OF THE ALZHEIMER TYPE. Brain, 1992, 115, 711-733.	7.6	271
203	Monitoring Automation Failures: Effects of Automation Reliability and Task Complexity. Proceedings of the Human Factors Society Annual Meeting, 1992, 36, 1518-1521.	0.1	2
204	Human factors and safety in the design of intelligent vehicle-highway systems (IVHS). Journal of Safety Research, 1992, 23, 181-198.	3.6	118
205	Attention and Driving Skills in Aging and Alzheimer's Disease. Human Factors, 1991, 33, 539-557.	3.5	142
206	Effects of aging on the speed and attentional cost of cognitive operations. Developmental Neuropsychology, 1991, 7, 421-434.	1.4	25
207	Skill development in vigilance: Effects of event rate and age.. Psychology and Aging, 1991, 6, 155-169.	1.6	97
208	Divided attention and metabolic brain dysfunction in mild dementia of the Alzheimer's type. Neuropsychologia, 1991, 29, 379-387.	1.6	58
209	Speed of information processing and attention in early Alzheimer's dementia. Developmental Neuropsychology, 1991, 7, 243-256.	1.4	44
210	Sustained attention following mild closed-head injury. Neuropsychology, Development and Cognition Section A: Journal of Clinical and Experimental Neuropsychology, 1991, 13, 789-811.	1.1	88
211	Attentional costs of mental operations in young and old adults. Developmental Neuropsychology, 1989, 5, 141-158.	1.4	15
212	Sustained-attention capacity in young and older adults.. Psychology and Aging, 1989, 4, 339-345.	1.6	94
213	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
214	Human-Computer Monitoring. Human Factors, 1987, 29, 695-706.	3.5	136
215	Interaction of signal discriminability and task type in vigilance decrement. Perception & Psychophysics, 1987, 41, 17-22.	2.3	110
216	Vigilance: Taxonomy And Utility. Recent Research in Psychology, 1987, , 11-32.	0.5	150

#	ARTICLE	IF	CITATIONS
217	Event Asynchrony And Task Demands In Sustained Attention. Recent Research in Psychology, 1987, , 33-39.	0.5	12
218	Energetics of Attention and Alzheimerâ€™s Disease. , 1986, , 395-407.		15
219	The Role of Event-Related Potentials in Human-Machine Applications. Proceedings of the Human Factors Society Annual Meeting, 1985, 29, 981-985.	0.1	0
220	The Use of Signal Detection Theory in Research on Human-Computer Interaction. Proceedings of the Human Factors Society Annual Meeting, 1985, 29, 33-37.	0.1	5
221	Detection and recognition: Concurrent processes in perception. Perception & Psychophysics, 1982, 31, 1-12.	2.3	102
222	Effects of information processing demands on slow negative shift latencies and N100 amplitude in selective and divided attention. Biological Psychology, 1980, 11, 217-233.	2.2	138
223	Auditory Evoked Potentials and Divided Attention. Psychophysiology, 1978, 15, 460-465.	2.4	96
224	The Measurement of Perceptual Resources and Workload. , 0, , 39-59.		3
225	Using Simulation to Examine Perceptual Challenges Faced by Health Care Providers. , 0, , 793-815.		0
226	Perception and Attention. , 0, , 107-125.		2
227	Psychophysical Methods and Signal Detection: Recent Advances in Theory. , 0, , 22-38.		0
228	Applied Perception and Neuroergonomics. , 0, , 79-104.		2
229	Sustained Attention in Operational Settings. , 0, , 769-792.		7
230	Perception of Trust in Automation. , 0, , 488-509.		0
231	Multimodal and Cross-Modal Perception: Audition. , 0, , 325-344.		1
232	Neuroergonomics: Applications of Neuroscience to Human Factors. , 0, , 704-722.		20