

Raja Parasuraman

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Prefrontal Hemodynamics of Physical Activity and Environmental Complexity During Cognitive Work. <i>Human Factors</i> , 2017 , 59, 147-162	3.8	38
230	A Little Anthropomorphism Goes a Long Way. <i>Human Factors</i> , 2017 , 59, 116-133	3.8	43
229	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
228	Oxytocin influences intuitions about the relationship between belief in free will and moral responsibility. <i>Social Neuroscience</i> , 2016 , 11, 88-96	2	4
227	Almost human: Anthropomorphism increases trust resilience in cognitive agents. <i>Journal of Experimental Psychology: Applied</i> , 2016 , 22, 331-49	1.8	144
226	The mechanisms of far transfer from cognitive training: Review and hypothesis. <i>Neuropsychology</i> , 2016 , 30, 742-755	3.8	34
225	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
224	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
223	Advice Taking from Humans and Machines: An fMRI and Effective Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 542	3.3	20
222	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
221	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
220	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
219	Underlying Spatial Skills to Support Navigation Through Large, Unconstrained Environments. <i>Applied Cognitive Psychology</i> , 2015 , 29, 608-613	2.1	4
218	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
217	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
216	The Visual Priming of Motion-Defined 3D Objects. <i>PLoS ONE</i> , 2015 , 10, e0144730	3.7	4
215	Effects of mental fatigue on the development of physical fatigue: a neuroergonomic approach. <i>Human Factors</i> , 2014 , 56, 645-56	3.8	76

214	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
213	Statistical modelling of networked human-automation performance using working memory capacity. <i>Ergonomics</i> , 2014 , 57, 295-318	2.9	13
212	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
211	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
210	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
209	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	
208	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
207	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
206	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
205	Self-motivated visual scanning predicts flexible navigation in a virtual environment. <i>Frontiers in Human Neuroscience</i> , 2014 , 7, 892	3.3	5
204	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
203	Exploring the feasibility of using functional tissue pulsatility imaging to measure cognitive load during an abbreviated vigilance task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014 , 58, 225-229	0.4	
202	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
201	Using noninvasive brain stimulation to accelerate learning and enhance human performance. <i>Human Factors</i> , 2014 , 56, 816-24	3.8	50
200	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
199	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
198	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
197	BDNF mediates improvements in executive function following a 1-year exercise intervention. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 985	3.3	151

196	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
195	Enhancing vigilance in operators with prefrontal cortex transcranial direct current stimulation (tDCS). <i>NeuroImage</i> , 2014 , 85 Pt 3, 909-17	7.9	195
194	A Design Methodology for Trust Cue Calibration in Cognitive Agents. <i>Lecture Notes in Computer Science</i> , 2014 , 251-262	0.9	38
193	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
192	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
191	Human-Automation Interaction Research: Past, Present, and Future. <i>Ergonomics in Design</i> , 2013 , 21, 9-14	1.4	81
190	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
189	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
188	Neuroergonomics: Brain-Inspired Cognitive Engineering 2013 ,		2
187	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
186	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
185	Neuroergonomics: a review of applications to physical and cognitive work. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 889	3.3	129
184	A cognitive phenotype for a polymorphism in the nicotinic receptor gene CHRNA4. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 1331-41	9	31
183	Individual differences in cognition, affect, and performance: behavioral, neuroimaging, and molecular genetic approaches. <i>NeuroImage</i> , 2012 , 59, 70-82	7.9	89
182	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
181	Perceptual load, voluntary attention, and aging: an event-related potential study. <i>International Journal of Psychophysiology</i> , 2012 , 84, 17-25	2.9	14
180	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
179	Attention, biological motion, and action recognition. <i>NeuroImage</i> , 2012 , 59, 4-13	7.9	91

178	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
177	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
176	Oxytocin receptor genetic variation promotes human trust behavior. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 4	3.3	142
175	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
174	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
173	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
172	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
171	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
170	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
169	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
168	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
167	Neuroergonomics: Brain, Cognition, and Performance at Work. <i>Current Directions in Psychological Science</i> , 2011 , 20, 181-186	6.5	98
166	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
165	A meta-analysis of factors affecting trust in human-robot interaction. <i>Human Factors</i> , 2011 , 53, 517-27	3.8	748
164	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
163	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
162	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
161	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

160	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
159	Rimdas: A Proposed System for Reducing Runway Incursions. <i>Ergonomics in Design</i> , 2010 , 18, 10-17	1.4	3
158	Complacency and bias in human use of automation: an attentional integration. <i>Human Factors</i> , 2010 , 52, 381-410	3.8	506
157	Neuroergonomics and human error. <i>Theoretical Issues in Ergonomics Science</i> , 2010 , 11, 402-421	2.2	31
156	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
155	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
154	2010 ,		2
153	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
152	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
151	Cerebral lateralization of vigilance: a function of task difficulty. <i>Neuropsychologia</i> , 2010 , 48, 1683-8	3.2	93
150	Neurogenetics of Working Memory and Decision Making under Time Pressure. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 1-10		1
149	Towards Adaptive Automation. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 52-61		1
148	Static and Dynamic Discriminations in Vigilance. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 80-90		3
147	Neurogenetics of Working Memory and Decision Making under Time Pressure. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 1-10		
146	A Neuroergonomic Perspective on Human-Automation Etiquette and Trust. <i>Advances in Human Factors and Ergonomics Series</i> , 2010 , 211-219		1
145	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
144	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
143	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	0.4	

142	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
141	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
140	Cerebral Hemodynamics and Vigilance Performance. <i>Military Psychology</i> , 2009 , 21, S75-S100	0.9	66
139	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
138	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
137	Effects of sensory modality on cerebral blood flow velocity during vigilance. <i>Neuroscience Letters</i> , 2009 , 461, 207-11	3.3	82
136	The influence of apolipoprotein E genotype on visuospatial attention dissipates after age 80. <i>Neuropsychology</i> , 2009 , 23, 81-9	3.8	19
135	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
134	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
133	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
132	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
131	Cognitive Engineering in Radiation Screening for Homeland Security. <i>Journal of Cognitive Engineering and Decision Making</i> , 2008 , 2, 204-219	2.5	3
130	Putting the brain to work: neuroergonomics past, present, and future. <i>Human Factors</i> , 2008 , 50, 468-74	3.8	156
129	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
128	Vigilance requires hard mental work and is stressful. <i>Human Factors</i> , 2008 , 50, 433-41	3.8	717
127	Humans: still vital after all these years of automation. <i>Human Factors</i> , 2008 , 50, 511-20	3.8	247
126	The abbreviated vigilance task and cerebral hemodynamics. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2007 , 29, 545-52	2.1	74
125	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

124	Designing for flexible interaction between humans and automation: delegation interfaces for supervisory control. <i>Human Factors</i> , 2007 , 49, 57-75	3.8	255
123	Neuroergonomics of Visual Cognition: Research and Applications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2007 , 51, 1311-1314	0.4	
122	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
121	Controller Performance and Attention Allocation in Future Air Traffic Management: Effects of Pilot Intent Information. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2006 , 50, 1-5	0.4	
120	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
119	Human Factors and Ergonomics 2006 ,		1
118	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
117	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
116	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
115	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
114	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	3.8	141
113	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
112	Signal regularity and the mindlessness model of vigilance. <i>British Journal of Psychology</i> , 2005 , 96, 249-614		101
111	Event-related potentials reveal dissociable mechanisms for orienting and focusing visuospatial attention. <i>Cognitive Brain Research</i> , 2005 , 23, 341-53		48
110	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
109	Human-Automation Interaction. <i>Reviews of Human Factors and Ergonomics</i> , 2005 , 1, 89-129		222
108	Beyond heritability: neurotransmitter genes differentially modulate visuospatial attention and working memory. <i>Psychological Science</i> , 2005 , 16, 200-7	7.9	129
107	Sustained attention in mild Alzheimer's disease. <i>Developmental Neuropsychology</i> , 2005 , 28, 507-37	1.8	52

106	Defining the Challenges Operators Face when Controlling Multiple Unmanned Vehicles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2005 , 49, 392-396	0.4	
105	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	0.4	
104	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	0.4	
103	Trust and etiquette in high-criticality automated systems. <i>Communications of the ACM</i> , 2004 , 47, 51-55	2.5	213
102	The scaling of spatial attention in visual search and its modification in healthy aging. <i>Perception & Psychophysics</i> , 2004 , 66, 3-22		70
101	The role of memory representation in the vigilance decrement. <i>Psychonomic Bulletin and Review</i> , 2004 , 11, 932-7	4.1	92
100	Visual Attention, Genetics and Alzheimer's Disease 2004 , 34, 271-289		3
99	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
98	The vigilance decrement reflects limitations in effortful attention, not mindlessness. <i>Human Factors</i> , 2003 , 45, 349-59	3.8	202
97	Cerebral Vascularity and Performance on an Abbreviated Vigilance Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003 , 47, 1663-1667	0.4	
96	Normal genetic variation, cognition, and aging. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2003 , 2, 278-306		77
95	Neuroergonomics: Research and practice. <i>Theoretical Issues in Ergonomics Science</i> , 2003 , 4, 5-20	2.2	209
94	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
93	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
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	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
90	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	0.4	
89	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

88	Mental Workload 2002 , 17-27		9
87	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
86	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
85	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
84	The apolipoprotein E gene, attention, and brain function.. <i>Neuropsychology</i> , 2002 , 16, 254-274	3.8	100
83	Sans subjectivity - ergonomics is engineering. <i>Ergonomics</i> , 2002 , 45, 991-4; discussion 1042-6	2.9	23
82	Neural correlates of perceptual priming of visual motion. <i>Brain Research Bulletin</i> , 2002 , 57, 211-9	3.9	20
81	The apolipoprotein E gene, attention, and brain function. <i>Neuropsychology</i> , 2002 , 16, 254-74	3.8	35
80	Automated fault-management in a simulated spaceflight micro-world. <i>Aviation, Space, and Environmental Medicine</i> , 2002 , 73, 886-97		39
79	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
78	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	0.4	
77	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
76	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
75	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
74	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
73	Interaction of semantic and perceptual processes in repetition blindness. <i>Visual Cognition</i> , 2001 , 8, 103-118		10
72	Acetylcholine affects the spatial scale of attention: Evidence from Alzheimer's disease.. <i>Neuropsychology</i> , 2000 , 14, 288-298	3.8	25
71	Human versus automation in responding to failures: an expected-value analysis. <i>Human Factors</i> , 2000 , 42, 403-7	3.8	33

70	Alzheimer disease constricts the dynamic range of spatial attention in visual search. <i>Neuropsychologia</i> , 2000 , 38, 1126-35	3.2	53
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