

Glenn Gunzelmann

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

649
citations

567247

15
h-index

610883

24
g-index

39
all docs

39
docs citations

39
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Deconstructing and reconstructing cognitive performance in sleep deprivation. <i>Sleep Medicine Reviews</i> , 2013, 17, 215-225.	8.5	134
2	Sleep Deprivation and Sustained Attention Performance: Integrating Mathematical and Cognitive Modeling. <i>Cognitive Science</i> , 2009, 33, 880-910.	1.7	75
3	Sleep loss and driver performance: Quantitative predictions with zero free parameters. <i>Cognitive Systems Research</i> , 2011, 12, 154-163.	2.7	29
4	Relationship of Event-Related Potentials to the Vigilance Decrement. <i>Frontiers in Psychology</i> , 2018, 9, 237.	2.1	27
5	Orientation Tasks with Multiple Views of Space: Strategies and Performance. <i>Spatial Cognition and Computation</i> , 2004, 4, 207-253.	1.2	24
6	A computational model of spatial visualization capacity. <i>Cognitive Psychology</i> , 2008, 57, 122-152.	2.2	24
7	Computational cognitive modeling of the temporal dynamics of fatigue from sleep loss. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 1785-1807.	2.8	24
8	Problem solving: Increased planning with practice. <i>Cognitive Systems Research</i> , 2003, 4, 57-76.	2.7	23
9	Functional Equivalence of Sleep Loss and Time on Task Effects in Sustained Attention. <i>Cognitive Science</i> , 2018, 42, 600-632.	1.7	23
10	Relationship of P3b single-trial latencies and response times in one, two, and three-stimulus oddball tasks. <i>Biological Psychology</i> , 2017, 123, 47-61.	2.2	22
11	Uncovering Physiologic Mechanisms of Circadian Rhythms and Sleep/Wake Regulation through Mathematical Modeling. <i>Journal of Biological Rhythms</i> , 2007, 22, 233-245.	2.6	20
12	Fatigue in sustained attention: Generalizing mechanisms for time awake to time on task.., 2011, , 83-101.		20
13	Location matters: Why target location impacts performance in orientation tasks. <i>Memory and Cognition</i> , 2006, 34, 41-59.	1.6	19
14	Using Computational Cognitive Modeling to Predict Dual-Task Performance With Sleep Deprivation. <i>Human Factors</i> , 2009, 51, 251-260.	3.5	19
15	Evaluating the Theoretic Adequacy and Applied Potential of Computational Models of the Spacing Effect. <i>Cognitive Science</i> , 2018, 42, 644-691.	1.7	18
16	Examining the Role of Task Requirements in the Magnitude of the Vigilance Decrement. <i>Frontiers in Psychology</i> , 2018, 9, 1504.	2.1	17
17	Diminished access to declarative knowledge with sleep deprivation. <i>Cognitive Systems Research</i> , 2012, 13, 1-11.	2.7	15
18	Mechanisms for Human Spatial Competence. <i>Lecture Notes in Computer Science</i> , 2007, , 288-307.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Strategy Generalization Across Orientation Tasks: Testing a Computational Cognitive Model. <i>Cognitive Science</i> , 2008, 32, 835-861.	1.7	11
20	Representations and Processes of Human Spatial Competence. <i>Topics in Cognitive Science</i> , 2011, 3, 741-759.	1.9	11
21	Understanding and predicting the cognitive effects of sleep loss through simulation.. <i>Translational Issues in Psychological Science</i> , 2015, 1, 106-115.	1.0	10
22	Real-Time Fatigue Monitoring with Computational Cognitive Models. <i>Lecture Notes in Computer Science</i> , 2016, , 299-310.	1.3	8
23	Functional Equivalence and Spatial Path Memory. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 2081-2087.	1.1	7
24	An ACT-R Process Model of the Signal Duration Phenomenon of Vigilance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 909-913.	0.3	7
25	Basic and applied science interactions in fatigue understanding and risk mitigation. <i>Progress in Brain Research</i> , 2019, 246, 177-204.	1.4	7
26	Developing memory-based models of ACT-R within a statistical framework. <i>Journal of Mathematical Psychology</i> , 2020, 98, 102416.	1.8	7
27	Decreased Arousal as a Result of Sleep Deprivation. , 2007, , 243-253.		7
28	Computational Process Modeling and Cognitive Stressors: Background and Prospects for Application in Cognitive Engineering. , 2013, , .		6
29	Introduction to the Topic on Modeling Spatial Cognition. <i>Topics in Cognitive Science</i> , 2011, 3, 628-631.	1.9	3
30	An interpolation approach for fitting computationally intensive models. <i>Cognitive Systems Research</i> , 2014, 29-30, 53-65.	2.7	3
31	Improving Vigilance Analysis Methodology. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 289-293.	0.3	3
32	Further Evidence That Sleep Deprivation Effects and the Vigilance Decrement Are Functionally Equivalent: Comment on Altmann (2018). <i>Cognitive Science</i> , 2018, 42, 712-717.	1.7	3
33	Beyond the Vigilance End-Spurt with Event-Related Potentials. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 1258-1262.	0.3	3
34	Fundamental tools for developing likelihood functions within ACT-R. <i>Journal of Mathematical Psychology</i> , 2022, 107, 102636.	1.8	3
35	Path visualization: a method for objective measurement of spatial visualization. <i>Spatial Cognition and Computation</i> , 2019, 19, 309-333.	1.2	2
36	Promoting Cumulation in models of the human mind. <i>Computational Brain & Behavior</i> , 2019, 2, 157-159.	1.7	2

#	ARTICLE	IF	CITATIONS
37	A Comparison of Approximations for Base-Level Activation in ACT-R. Computational Brain & Behavior, 2018, 1, 228-236.	1.7	1
38	Physiocognitive Modeling: Explaining the Effects of Caffeine on Fatigue. Topics in Cognitive Science, 2022, 14, 860-872.	1.9	1
39	Constructing representations of spatial location from briefly presented displays. Cognitive Processing, 2017, 18, 81-85.	1.4	0