

# Andrew T Duchowski

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,988  
citations

567281

15  
h-index

395702

33  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting visual perceivability of scene objects through spatio-temporal modeling of retinal receptive fields. <i>Neurocomputing</i> , 2021, 453, 667-680.	5.9	1
2	Empirical evaluation and pathway modeling of visual attention to virtual humans in an appearance fidelity continuum. <i>Journal on Multimodal User Interfaces</i> , 2021, 15, 109-119.	2.9	4
3	Assessing how visual search entropy and engagement predict performance in a multiple-objects tracking air traffic control task. <i>Computers in Human Behavior Reports</i> , 2021, 4, 100127.	4.0	12
4	Attention Dynamics During Emotion Recognition by Deaf and Hearing Individuals. <i>Journal of Deaf Studies and Deaf Education</i> , 2020, 25, 10-21.	1.2	7
5	Using Microsaccades to Estimate Task Difficulty During Visual Search of Layered Surfaces. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 2904-2918.	4.4	17
6	Sight unseen: The role of online security indicators in visual attention to online privacy information. <i>Journal of Business Research</i> , 2020, 111, 218-240.	10.2	8
7	Using Pose Estimation to Map Gaze to Detected Fiducial Markers. <i>Procedia Computer Science</i> , 2020, 176, 3771-3779.	2.0	6
8	Deep Neural Networks for Low-Cost Eye Tracking. <i>Procedia Computer Science</i> , 2020, 176, 685-694.	2.0	20
9	Pupil diameter differentiates expertise in dental radiography visual search. <i>PLoS ONE</i> , 2020, 15, e0223941.	2.5	15
10	Eye contact during live social interaction in incarcerated psychopathic offenders.. <i>Personality Disorders: Theory, Research, and Treatment</i> , 2020, 11, 431-439.	1.3	10
11	Pupillary and microsaccadic responses to cognitive effort and emotional arousal during complex decision making. <i>Journal of Eye Movement Research</i> , 2020, 13, .	0.8	13
12	Differential privacy for eye-tracking data. , 2019, , .		29
13	GeoGCD. , 2019, , .		0
14	GeoGCD. , 2019, , .		3
15	Perceptual Comparison of Procedural and Data-Driven Eye Motion Jitter. , 2019, , .		1
16	Gaze-based interaction: A 30 year retrospective. <i>Computers and Graphics</i> , 2018, 73, 59-69.	2.5	81
17	Perceptual evaluation of synthetic gaze jitter. <i>Computer Animation and Virtual Worlds</i> , 2018, 29, e1745.	1.2	5
18	Perceptual Adjustment of Eyeball Rotation and Pupil Size Jitter for Virtual Characters. <i>ACM Transactions on Applied Perception</i> , 2018, 15, 1-13.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Eye tracking cognitive load using pupil diameter and microsaccades with fixed gaze. PLoS ONE, 2018, 13, e0203629.	2.5	154
20	Dynamics of emotional facial expression recognition in individuals with social anxiety. , 2018, , .		7
21	The Index of Pupillary Activity. , 2018, , .		101
22	Eye tracking for spatial research: Cognition, computation, challenges. Spatial Cognition and Computation, 2017, 17, 1-19.	1.2	125
23	Serious gaze. , 2017, , .		9
24	An inverse-linear logistic model of the main sequence. Journal of Eye Movement Research, 2017, 10, .	0.8	2
25	Eye movement synthesis. , 2016, , .		22
26	Measuring Cognitive Load for Map Tasks Through Pupil Diameter. Lecture Notes in Computer Science, 2016, , 323-337.	1.3	28
27	Gaze Transition Entropy. ACM Transactions on Applied Perception, 2015, 13, 1-20.	1.9	80
28	Comparing estimated gaze depth in virtual and physical environments. , 2014, , .		26
29	Photons: Evolution of a Course in Data Structures. Computer Graphics Forum, 2014, 33, 294-304.	3.0	2
30	The Effect of Full Body Versus Partial Body Graphic Labelling on Beverage Packaging. Packaging Technology and Science, 2014, 27, 933-943.	2.8	6
31	Effects of text chunking on subtitling: A quantitative and qualitative examination. Perspectives: Studies in Translation Theory and Practice, 2013, 21, 5-21.	1.3	41
32	Comparison of eye movement metrics recorded at different sampling rates. , 2012, , .		10
33	Brake lamp detection in complex and dynamic environments: Recognizing limitations of visual attention and perception. Accident Analysis and Prevention, 2012, 45, 588-599.	5.7	8
34	On spatiochromatic visual sensitivity and peripheral color LOD management. ACM Transactions on Applied Perception, 2009, 6, 1-18.	1.9	19
35	A taxonomy for the design and evaluation of Networked Virtual Environments: its application to collaborative design. International Journal on Interactive Design and Manufacturing, 2008, 2, 17-32.	2.2	10
36	A Model of Extended, Semisystematic Visual Search. Human Factors, 2006, 48, 540-554.	3.5	5

#	ARTICLE	IF	CITATIONS
37	Gaze-Contingent Displays: A Review. <i>Cyberpsychology, Behavior and Social Networking</i> , 2004, 7, 621-634.	2.2	86
38	Focusing on the essential. <i>Communications of the ACM</i> , 2003, 46, 60-66.	4.5	61
39	Effect of Alternate Feedback Strategies on Performance for a Synthetic Aircraft Visual Inspection Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003, 47, 2069-2073.	0.3	0
40	Using virtual reality technology for aircraft visual inspection training: presence and comparison studies. <i>Applied Ergonomics</i> , 2002, 33, 559-570.	3.1	126
41	A breadth-first survey of eye-tracking applications. <i>Behavior Research Methods</i> , 2002, 34, 455-470.	1.3	708
42	3-D eye movement analysis. <i>Behavior Research Methods</i> , 2002, 34, 573-591.	1.3	57
43	Cognitive Feedback Training using 3D Binocular Eye Tracker. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 1838-1842.	0.3	0
44	An Automatic Approach to Deadlock Detection and Resolution in Discrete Simulation Systems. <i>INFORMS Journal on Computing</i> , 1997, 9, 195-205.	1.7	10