Tal Oron-Gilad

List of Publications by Year
in descending order

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133	2,341	236925	243625
papers	citations	25	44
		h-index	g-index

160	160	160	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facilitating the Work of Unmanned Aerial Vehicle Operators Using Artificial Intelligence: An Intelligent Filter for Command-and-Control Maps to Reduce Cognitive Workload. Human Factors, 2023, 65, 1345-1360.	3.5	3
2	Body Language for Personal Robot Arm Assistant. International Journal of Social Robotics, 2022, 14, 15-37.	4.6	1
3	Levels of Automation for a Mobile Robot Teleoperated by a Caregiver. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-21.	4.1	8
4	The Role of bi-Directional Graphic Communication in Human-Unmanned Operations. International Journal of Human-Computer Interaction, 2022, 38, 1926-1943.	4.8	1
5	Combining cognitive work analysis and empirical evaluations to understand map use by operators of small carry-on unmanned aerial systems. Applied Ergonomics, 2021, 90, 103218.	3.1	6
6	Levels of Automation and Transparency: Interaction Design Considerations in Assistive Robots for Older Adults. IEEE Transactions on Human-Machine Systems, 2021, 51, 673-683.	3.5	12
7	Designing Robots with Relationships in Mind: Suggesting Two Models of Human-socially Assistive Robot (SAR) Relationship. , 2021, , .		9
8	Rapid Interpretation of Temporalâ€“Spatial Unmanned Aerial Vehicle (UAV) Operational Data â€“ RITSUD: Aiding UAV Operators With Visualizations of Patterns-of-Life Activities. Journal of Cognitive Engineering and Decision Making, 2021, 15, 135-154.	2.3	5
9	Expect the Unexpected: Leveraging the Human-Robot Ecosystem to Handle Unexpected Robot Failures. Frontiers in Robotics and AI, 2021, 8, 656385.	3.2	10
10	Impacting the Perception of Socially Assistive Robots- Evaluating the effect of Visual Qualities among Children. , 2021, , .		5
11	Comply with Me: Using Design Manipulations to Affect Humanâ€“Robot Interaction in a COVID-19 Officer Robot Use Case. Multimodal Technologies and Interaction, 2021, 5, 71.	2.5	4
12	Touch-and-Go: Interior Tactile Communication in Armored Fighting Vehicles. Ergonomics in Design, 2020, 28, 16-21.	0.7	5
13	Pedestrian distraction: The effects of road environment complexity and age on pedestrianâ€™s visual attention and crossing behavior. Journal of Safety Research, 2020, 72, 101-109.	3.6	64
14	Understanding complex traffic road scenes: The case of child-pedestriansâ€™ hazard perception. Journal of Safety Research, 2020, 72, 111-126.	3.6	23
15	Identifying Sources of Discomfort in Various Road Events While Riding Automated Vehicles. , 2020, , .		1
16	Pedestriansâ€™ Understanding of a Fully Autonomous Vehicleâ€™s Intent to Stop: A Learning Effect Over Time. Frontiers in Psychology, 2020, 11, 585280.	2.1	14
17	The impact of auditory continual feedback on take-overs in Level 3 automated vehicles. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 75, 145-159.	3.7	7
18	An Artificial Intelligence Algorithm to Automate Situation Management for Operators of Unmanned Aerial Vehicles. , 2020, , .		4

#	Article	IF	Citations
19	Subjective Workload Assessment Technique (SWAT) in Real Time: Affordable Methodology to Continuously Assess Human Operatorsâ€™ Workload. , 2020, , .		7
20	Comparing Laboratory User Studies and Video-Enhanced Web Surveys for Eliciting User Gestures in Human-Robot Interactions. , 2020, , .		9
21	User-centered feedback design in person-following robots for older adults. Paladyn, 2020, 11, 86-103.	2.7	10
22	Pedestriansâ€™ understanding of fully autonomous vehicles (FAV) intent to stop. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1931-1932.	0.3	0
23	A Communication Interface for a Dismounted Ground Commander and an Intelligent Autonomous Unmanned Aerial Systems (IA-UAS) â€“ A Feasibility Study. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 218-223.	0.3	1
24	Usability Testing for the Operation of a Mobile Robotic Telepresence System by Older Adults. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1191-1195.	0.3	1
25	Identification Rate of Simple and Complex Tactile Alerts in MUM-T Setup. Lecture Notes in Computer Science, 2020, , 453-461.	1.3	0
26	Towards Enhancement of Unmanned Aerial Vehicle (UAV) Operators' Situation Awareness. , 2020, , .		2
27	Using Customers' Online Reviews to Identify and Classify Human Robot Interaction Failures in Domestic Robots. , 2020, , .		2
28	Task Influence on Perceptions of a Person-Following Robot and Following-Angle Preferences. , 2019, , .		0
29	Directional tactile alerts for take-over requests in highly-automated driving. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 65, 217-226.	3.7	22
30	Towards the Development of a Display Filter Algorithm for Command and Control (C2) Maps for Operators of Unmanned Aerial Systems. , 2019, , .		5
31	Can you feel it? What does it mean? Notifications for Operators of Unmanned Ground Vehicles (UGVs) During Operational Missions. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 817-821.	0.3	1
32	Evaluation of tactile cues for simulated patientsâ€™ status under high and low workload. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 658-662.	0.3	8
33	Improving the Interaction of Older Adults with a Socially Assistive Table Setting Robot. Lecture Notes in Computer Science, 2019, , 568-577.	1.3	6
34	The effect of environmental distractions on child pedestrian's crossing behavior. Safety Science, 2018, 106, 219-229.	4.9	37
35	Pedestriansâ€™ road crossing decisions and body partsâ€™ movements. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 53, 155-171.	3.7	28
36	Operator Workload Reduced in Unmanned Aerial Vehicles: Making Command and Control (C2) Maps More Useful. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1057-1061.	0.3	5

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37	Calibrating Adaptable Automation to Individuals. IEEE Transactions on Human-Machine Systems, 2018, 48, 691-701.	3.5	9
38	Understanding and Resolving Failures in Human-Robot Interaction: Literature Review and Model Development. Frontiers in Psychology, 2018, 9, 861.	2.1	158
39	Toward Socially Aware Person-Following Robots. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 936-954.	3.8	41
40	From Ergonomics to Hedonomics: Trends in Human Factors and Technologyâ€"The Role of Hedonomics Revisited. , 2017, , 185-194.		7
41	Close Target Reconnaissance. Journal of Cognitive Engineering and Decision Making, 2017, 11, 63-80.	2.3	6
42	Crossing the road while playing a mobile game app â€“ effects of age, environmental load and game complexity. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 880-880.	0.3	1
43	The Effects of Continuous Driving-Related Feedback on Driversâ€™ Response to Automation Failures. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1980-1984.	0.3	16
44	Multimodal communication for guiding a person following robot. , 2017, , .		3
45	Whoâ€™s with me? A Tactile Interface for Identification of Separation of Squad Members from their Team. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 520-521.	0.3	0
46	Use of Graphic Imagery as a Mean of Communication Between Operators and Unmanned Systems in C3Fire Tasks. Lecture Notes in Computer Science, 2017, , 362-381.	1.3	1
47	859â€...Child pedestriansâ€™ perceived risk of the crossing place. Injury Prevention, 2016, 22, A306.2-A306.	2.4	1
48	Supervising and Controlling Unmanned Systems: A Multi-Phase Study with Subject Matter Experts. Frontiers in Psychology, 2016, 7, 568.	2.1	13
49	The influence of following angle on performance metrics of a human-following robot. , 2016, , .		14
50	Postures of a robot arm-window to robot intentions?. , 2016, , .		0
51	Where do older pedestrians glance before deciding to cross a simulated two-lane road? A pedestrian simulator paradigm. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 11-15.	0.3	12
52	Is staying out of bomb-shelters a human-automation interaction issue?. Technology in Society, 2016, 47, 25-30.	9.4	1
53	Can traffic violations be traced to gender-role, sensation seeking, demographics and driving exposure?. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 43, 387-395.	3.7	47
54	550â€...Drinking and driving: consumption of alcohol mixed energy drinks compared to alcohol in a simulator. Injury Prevention, 2016, 22, A198.2-A198.	2.4	0

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55	Cell phone conversations and child pedestrianâ€™s crossing behavior; a simulator study. Safety Science, 2016, 89, 36-44.	4.9	60
56	Interfaces for dismounted soldiers. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 145-149.	0.3	1
57	Tactile Interfaces for Dismounted Soldiers. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 421-425.	0.3	5
58	What do we think we are doing: principles of coupled self-regulation in human-robot interaction (HRI). Frontiers in Psychology, 2015, 6, 929.	2.1	0
59	Driving Speed of Young Novice and Experienced Drivers in Simulated Hazard Anticipation Scenes. Human Factors, 2015, 57, 311-328.	3.5	19
60	Can child-pedestriansâ€™ hazard perception skills be enhanced?. Accident Analysis and Prevention, 2015, 83, 101-110.	5.7	42
61	Are child-pedestrians able to identify hazardous traffic situations? Measuring their abilities in a virtual reality environment. Safety Science, 2015, 80, 33-40.	4.9	70
62	Evaluation of an â€œOn-Thighâ€•Vibrotactile Collision Avoidance Alerting Component in a Simulated Flight Mission. IEEE Transactions on Human-Machine Systems, 2015, 45, 251-255.	3.5	10
63	Towards Understanding the Influence of Environmental Distractors on Pedestrian Behavior. Procedia Manufacturing, 2015, 3, 2690-2697.	1.9	7
64	Evaluation of the attention network test using vibrotactile stimulations. Behavior Research Methods, 2015, 47, 395-408.	4.0	2
65	Formation and Evaluation of Act and Anticipate Hazard Perception Training (AAHPT) Intervention for Young Novice Drivers. Traffic Injury Prevention, 2014, 15, 172-180.	1.4	54
66	Coding warnings without interfering with dismounted soldiers' missions. Applied Ergonomics, 2014, 45, 1343-1352.	3.1	2
67	The combination of short rest and energy drink consumption as fatigue countermeasures during a prolonged drive of professional truck drivers. Journal of Safety Research, 2014, 49, 39.e1-43.	3.6	24
68	Is more information better for dismounted soldiers? Display-layout considerations of multiple video feed from unmanned vehicles. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 345-349.	0.3	3
69	In Touch With the Simon Effect *The first two authors contributed equally.. Experimental Psychology, 2014, 61, 165-179.	0.7	24
70	Towards understanding child-pedestriansâ€™ hazard perception abilities in a mixed reality dynamic environment. Transportation Research Part F: Traffic Psychology and Behaviour, 2013, 20, 90-107.	3.7	59
71	Exploring the effects of driving experience on hazard awareness and risk perception via real-time hazard identification, hazard classification, and rating tasks. Accident Analysis and Prevention, 2013, 59, 548-565.	5.7	103
72	Is More Information Better? How Dismounted Soldiers Use Video Feed From Unmanned Vehicles. Journal of Cognitive Engineering and Decision Making, 2013, 7, 26-48.	2.3	12

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73	Perceptions of electronic navigation displays. Behaviour and Information Technology, 2013, 32, 800-823.	4.0	8
74	In-Vehicle Stopping Decision Advisory System for Drivers Approaching a Traffic Signal. Transportation Research Record, 2013, 2365, 22-30.	1.9	8
75	The effect of system aesthetics on trust, cooperation, satisfaction and annoyance in an imperfect automated system. Work, 2012, 41, 258-265.	1.1	11
76	A comparison of "on-thigh" vibrotactile, combined visual-vibrotactile, and visual-only alerting systems for the cockpit under visually demanding conditions. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1644-1648.	0.3	3
77	Display type effects in military operational tasks using Unmanned Vehicle (UV) video images: Comparison between color and B/W video feeds. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1777-1781.	0.3	0
78	The use of a homogeneity measure to identify hazard perception abilities of novices and experienced drivers in a driving simulator. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2266-2270.	0.3	1
79	Driversâ€™ perception of vulnerable road users: A hazard perception approach. Accident Analysis and Prevention, 2012, 44, 160-166.	5.7	66
80	The perception of pedestrians from the perspective of elderly experienced and experienced drivers. Accident Analysis and Prevention, 2012, 44, 48-55.	5.7	34
81	Switch and Deliver: Display layouts for MOMV (Multiple Operator Multiple Video feed) environments. , 2011, , .		5
82	Vibrotactile â€œOn-Thighâ€•Alerting System in the Cockpit. Human Factors, 2011, 53, 118-131.	3.5	32
83	The effect of in-vehicle warning systems on speed compliance in work zones. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 331-340.	3.7	33
84	ATC-Monitoring When One Controller Operates Two Airports: Research for Remote Tower Centres. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 76-80.	0.3	10
85	Tools and Techniques for MOMU (Multiple Operator Multiple UAV) Environments; an Operational Perspective. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 86-90.	0.3	5
86	Human-Automation Challenges for the Control of Unmanned Aerial Systems. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 424-428.	0.3	8
87	Limitations and Advantages of Autonomy in Controlling Multiple Systems: an International View. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 2010-2014.	0.3	0
88	Single versus Dual Video Feed Displays for Dismounted Soldiers: Performance and Attention Allocation (eye tracking). Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 2064-2068.	0.3	2
89	Usage and perceived effectiveness of fatigue countermeasures for professional and nonprofessional drivers. Accident Analysis and Prevention, 2011, 43, 797-803.	5.7	51
90	Aesthetics and usability of in-vehicle navigation displays. International Journal of Human Computer Studies, 2011, 69, 80-99.	5.6	57

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91	Robotic Displays for Dismounted Warfighters. Journal of Cognitive Engineering and Decision Making, 2011, 5, 29-54.	2.3	14
92	Age, skill, and hazard perception in driving. Accident Analysis and Prevention, 2010, 42, 1240-1249.	5.7	298
93	The Effect of In-Vehicle Warning Systems on Speed Compliance in Work Zones. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2023-2027.	0.3	2
94	The Effect of Hazard Perception Training on Traffic-Scene Movies Categorization. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2101-2105.	0.3	5
95	Display Type Effects in Military Operational Tasks Using UAV Video Images: Comparison between Two Types of UAV Feeds Mini and MALE (Medium-Altitude-Long-Endurance) UAVs. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 85-89.	0.3	1
96	Panel Discussion: Future Challenges for the Effective Utilization of Robotic Assets in Military Environments. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2182-2184.	0.3	0
97	'Castling rays' a decision support tool for UAV-switching tasks. , 2010, , .		7
98	Vibrotactor-Belt on the Thigh â€“ Directions in the Vertical Plane. Lecture Notes in Computer Science, 2010, , 359-364.	1.3	9
99	Act and anticipate hazard perception training for young-inexperienced drivers. Advances in Human Factors and Ergonomics Series, 2010, , 134-143.	0.2	3
100	Act and Anticipate Hazard Perception Training for Young-Inexperienced Drivers. Advances in Human Factors and Ergonomics Series, 2010, , 134-143.	0.2	1
101	Display type effects in military operational tasks using UAV video images. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 71-75.	0.3	3
102	Task-dependent processing of tables and graphs. Behaviour and Information Technology, 2009, 28, 293-307.	4.0	10
103	The effects of an interactive cognitive task (ICT) in suppressing fatigue symptoms in driving. Transportation Research Part F: Traffic Psychology and Behaviour, 2009, 12, 21-28.	3.7	62
104	Age and skill differences in classifying hazardous traffic scenes. Transportation Research Part F: Traffic Psychology and Behaviour, 2009, 12, 277-287.	3.7	85
105	From ergonomics to hedonomics: trends in human factors and technology. , 2009, , 131-147.		3
106	Display type effects in military operational tasks using UAV video images. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 71-75.	0.3	2
107	Alertness maintaining tasks (AMTs) while driving. Accident Analysis and Prevention, 2008, 40, 851-860.	5.7	109
108	The Workload and Performance Relationship in the Real World: A Study of Police Officers in a Field Shooting Exercise. International Journal of Occupational Safety and Ergonomics, 2008, 14, 119-131.	1.9	28

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109	The Development of the Driving Skill Assessment Tool (DSAT). Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1488-1492.	0.3	0
110	Thermoelectric Tactile Display Based on the Thermal Grill Illusion. Lecture Notes in Computer Science, 2008, , 343-348.	1.3	5
111	Friend/Foe Identification and Shooting Performance: Effects of Prior Task Loading and Time Pressure. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 156-160.	0.3	3
112	Thermoelectric tactile display based on the thermal grill illusion. , 2007, , .		2
113	Operators' Time Perception Under Stress. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 151-155.	0.3	0
114	Provocation: Is the UAV Control Ratio the Right Question?. Ergonomics in Design, 2007, 15, 7-31.	0.7	10
115	The effect of display size on performance of operational tasks with UAVs. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 1091-1095.	0.3	5
116	Vibrotactile Guidance Cues for Target Acquisition. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 993-1004.	2.9	41
117	Road Characteristics and Driver Fatigue: A Simulator Study. Traffic Injury Prevention, 2007, 8, 281-289.	1.4	48
118	Age, Skill and Hazard Perception in Driving. , 2007, , .		7
119	3. Remotely Operated Vehicles (ROVs) from the Top-Down and the Bottom-Upâ˜†. Advances in Human Performance and Cognitive Engineering Research, 2006, , 37-47.	0.5	6
120	Elaborations of the Multiple-Resource Theory of Attention. , 2006, , 45-56.		3
121	Evaluation of Threat by Police Officers: Initial Findings. Proceedings of the Human Factors and Ergonomics Society, 2005, 49, 846-849.	0.3	1
122	The Role of Hedonomics in the Future of Industry, Service, and Product Design: Panel Overview. Proceedings of the Human Factors and Ergonomics Society, 2005, 49, 1701-1704.	0.3	2
123	Police officers seat belt use while on duty. Transportation Research Part F: Traffic Psychology and Behaviour, 2005, 8, 1-18.	3.7	18
124	Road Environment and Driver Fatigue. , 2005, , .		6
125	The Effects of Warning Presentation and Retention under Varying Levels of Stress. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 2027-2030.	0.3	0
126	Stress Effects on Soldier Performance. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1271-1274.	0.3	2

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127	Workload and Performance: A Field Evaluation in a Police Shooting Range. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1953-1957.	0.3	3
128	Human Factors Issues in Motorcycle Collisions. , 2004, , 18-1-18-20.		0
129	Alertness Maintaining Tasks While Driving. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 1839-1843.	0.3	6
130	Monitoring dynamic processes with alphanumeric and graphic displays. Theoretical Issues in Ergonomics Science, 2001, 2, 368-389.	1.8	2
131	Detecting Changes in Dynamic Functions with Tables and Graphs. Proceedings of the Human Factors and Ergonomics Society, 2000, 44, 3-435-3-438.	0.3	0
132	Driver fatigue among military truck drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2000, 3, 195-209.	3.7	38
133	Hazard Awareness in Driving: Measurement and Training. , 0, , 592-612.		0