

Enkelejda Kasneci

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,991
citations

394421

19
h-index

361022

35
g-index

91
all docs

91
docs citations

91
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Driving with Binocular Visual Field Loss? A Study on a Supervised On-Road Parcours with Simultaneous Eye and Head Tracking. PLoS ONE, 2014, 9, e87470.	2.5	111
2	Else. , 2016, , .		101
3	Pupil detection for head-mounted eye tracking in the wild: an evaluation of the state of the art. Machine Vision and Applications, 2016, 27, 1275-1288.	2.7	99
4	ExCuSe: Robust Pupil Detection in Real-World Scenarios. Lecture Notes in Computer Science, 2015, , 39-51.	1.3	98
5	Ready for Take-Over? A New Driver Assistance System for an Automated Classification of Driver Take-Over Readiness. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 10-22.	3.8	93
6	The impact of slippage on the data quality of head-worn eye trackers. Behavior Research Methods, 2020, 52, 1140-1160.	4.0	84
7	Attentive or Not? Toward a Machine Learning Approach to Assessing Students's Visible Engagement in Classroom Instruction. Educational Psychology Review, 2021, 33, 27-49.	8.4	79
8	Driver-Activity Recognition in the Context of Conditionally Autonomous Driving. , 2015, , .		75
9	PuRe: Robust pupil detection for real-time pervasive eye tracking. Computer Vision and Image Understanding, 2018, 170, 40-50.	4.7	65
10	Driving with Glaucoma. Optometry and Vision Science, 2015, 92, 1037-1046.	1.2	57
11	Binocular Glaucomatous Visual Field Loss and Its Impact on Visual Exploration - A Supermarket Study. PLoS ONE, 2014, 9, e106089.	2.5	48
12	Optimal eye movement strategies: a comparison of neurosurgeons gaze patterns when using a surgical microscope. Acta Neurochirurgica, 2017, 159, 959-966.	1.7	41
13	SubsMatch 2.0: Scanpath comparison and classification based on subsequence frequencies. Behavior Research Methods, 2017, 49, 1048-1064.	4.0	40
14	Online Recognition of Driver-Activity Based on Visual Scanpath Classification. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 23-36.	3.8	33
15	Multimodal Engagement Analysis From Facial Videos in the Classroom. IEEE Transactions on Affective Computing, 2023, 14, 1012-1027.	8.3	32
16	Scanpath comparison in medical image reading skills of dental students. , 2018, , .		31
17	Stress-indicators and exploratory gaze for the analysis of hazard perception in patients with visual field loss. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 24, 231-243.	3.7	29
18	Camera-Based Eye Blink Detection Algorithm for Assessing Driver Drowsiness. , 2019, , .		29

#	ARTICLE	IF	CITATIONS
19	Cross-subject workload classification using pupil-related measures. , 2018, , .		28
20	TEyeD: Over 20 Million Real-World Eye Images with Pupil, Eyelid, and Iris 2D and 3D Segmentations, 2D and 3D Landmarks, 3D Eyeball, Gaze Vector, and Eye Movement Types. , 2021, , .		28
21	Predicting Cognitive Load in an Emergency Simulation Based on Behavioral and Physiological Measures. , 2019, , .		26
22	RemoteEye: An open-source high-speed remote eye tracker. Behavior Research Methods, 2020, 52, 1387-1401.	4.0	26
23	CBF. , 2018, , .		25
24	Assessment of Driver Attention during a Safety Critical Situation in VR to Generate VR-based Training. , 2019, , .		25
25	Eye-Tracking as a Tool to Evaluate Functional Ability in Everyday Tasks in Glaucoma. Journal of Ophthalmology, 2017, 2017, 1-10.	1.3	24
26	Online Recognition of Fixations, Saccades, and Smooth Pursuits for Automated Analysis of Traffic Hazard Perception. Springer Series in Bio-/neuroinformatics, 2015, , 411-434.	0.1	24
27	The art of pervasive eye tracking. , 2018, , .		21
28	Get a grip. , 2019, , .		21
29	The display makes a difference: A mobile eye tracking study on the perception of art before and after a museum's rearrangement. Journal of Eye Movement Research, 2020, 13, .	0.8	21
30	Homonymous Visual Field Loss and Its Impact on Visual Exploration: A Supermarket Study. Translational Vision Science and Technology, 2014, 3, 2.	2.2	20
31	Evaluation of state-of-the-art pupil detection algorithms on remote eye images. , 2016, , .		20
32	Agreement of driving simulator and on-road driving performance in patients with binocular visual field loss. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 2429-2435.	1.9	20
33	Fast and Robust Eyelid Outline and Aperture Detection in Real-World Scenarios. , 2017, , .		19
34	The applicability of probabilistic methods to the online recognition of fixations and saccades in dynamic scenes. , 2014, , .		18
35	Encodji. , 2019, , .		18
36	A Novel Camera-Free Eye Tracking Sensor for Augmented Reality Based on Laser Scanning. IEEE Sensors Journal, 2020, 20, 15204-15212.	4.7	17

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37	Differential privacy for eye tracking with temporal correlations. PLoS ONE, 2021, 16, e0255979.	2.5	17
38	500,000 Images Closer to Eyelid and Pupil Segmentation. Lecture Notes in Computer Science, 2019, , 336-347.	1.3	17
39	Eyes wide open? eyelid location and eye aperture estimation for pervasive eye tracking in real-world scenarios. , 2016, , .		16
40	Non-intrusive practitioner pupil detection for unmodified microscope oculars. Computers in Biology and Medicine, 2016, 79, 36-44.	7.0	15
41	Pupil diameter differentiates expertise in dental radiography visual search. PLoS ONE, 2020, 15, e0223941.	2.5	15
42	Driver Drowsiness Classification Based on Eye Blink and Head Movement Features Using the k-NN Algorithm. , 2020, , .		14
43	Aggregating physiological and eye tracking signals to predict perception in the absence of ground truth. Computers in Human Behavior, 2017, 68, 450-455.	8.5	13
44	Person Independent, Privacy Preserving, and Real Time Assessment of Cognitive Load using Eye Tracking in a Virtual Reality Setup. , 2019, , .		13
45	Tiny convolution, decision tree, and binary neuronal networks for robust and real time pupil outline estimation. , 2020, , .		13
46	Privacy Preserving Gaze Estimation using Synthetic Images via a Randomized Encoding Based Framework. , 2020, , .		13
47	Driver Intention Anticipation Based on In-Cabin and Driving Scene Monitoring. , 2020, , .		12
48	MAM: Transfer Learning for Fully Automatic Video Annotation and Specialized Detector Creation. Lecture Notes in Computer Science, 2019, , 375-388.	1.3	11
49	How to support dental students in reading radiographs: effects of a gaze-based compare-and-contrast intervention. Advances in Health Sciences Education, 2021, 26, 159-181.	3.3	11
50	Analysis of Eye Movements with Eyetrace. Communications in Computer and Information Science, 2015, , 458-471.	0.5	11
51	Neural networks for optical vector and eye ball parameter estimation. , 2020, , .		11
52	Brightness- and motion-based blink detection for head-mounted eye trackers. , 2016, , .		10
53	Cross-task and Cross-participant Classification of Cognitive Load in an Emergency Simulation Game. IEEE Transactions on Affective Computing, 2021, , 1-1.	8.3	10
54	Fully Convolutional Neural Networks for Raw Eye Tracking Data Segmentation, Generation, and Reconstruction. , 2021, , .		10

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55	Ferns for area of interest free scanpath classification. , 2019, , .		9
56	Soccer goalkeeper expertise identification based on eye movements. PLoS ONE, 2021, 16, e0251070.	2.5	9
57	Camera-based Driver Drowsiness State Classification Using Logistic Regression Models. , 2020, , .		9
58	Histogram of oriented velocities for eye movement detection. , 2018, , .		8
59	Artificial Intelligence Methods in In-Cabin Use Cases: A Survey. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 132-145.	3.8	8
60	Differentiating Surgeonsâ€™ Expertise solely by Eye Movement Features. , 2021, , .		8
61	T¼EyeQ, a rich IQ test performance data set with eye movement, educational and socio-demographic information. Scientific Data, 2021, 8, 154.	5.3	7
62	Robust cognitive load detection from wrist-band sensors. Computers in Human Behavior Reports, 2021, 4, 100116.	4.0	7
63	Distilling Location Proposals of Unknown Objects through Gaze Information for Human-Robot Interaction. , 2020, , .		7
64	Towards automated comparison of eye-tracking recordings in dynamic scenes. , 2014, , .		6
65	Expertise Classification of Soccer Goalkeepers in Highly Dynamic Decision Tasks: A Deep Learning Approach for Temporal and Spatial Feature Recognition of Fixation Image Patch Sequences. Frontiers in Sports and Active Living, 2021, 3, 692526.	1.8	6
66	Ways of improving the precision of eye tracking data: Controlling the influence of dirt and dust on pupil detection. Journal of Eye Movement Research, 2017, 10, .	0.8	6
67	Do your eye movements reveal your performance on an IQ test? A study linking eye movements and socio-demographic information to fluid intelligence. PLoS ONE, 2022, 17, e0264316.	2.5	6
68	FakeNewsPerception: An eye movement dataset on the perceived believability of news stories. Data in Brief, 2021, 35, 106909.	1.0	5
69	Real-time 3D Glint Detection in Remote Eye Tracking Based on Bayesian Inference. , 2018, , .		4
70	A Novel Gaze Gesture Sensor for Smart Glasses Based on Laser Self-Mixing. , 2021, , .		4
71	1000 Pupil Segmentations in a Second using Haar Like Features and Statistical Learning. , 2021, , .		3
72	Explainable Online Validation of Machine Learning Models for Practical Applications. , 2021, , .		2

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73	55 Rides: attention annotated head and gaze data during naturalistic driving. , 2021, , .		2
74	LSTMs can distinguish dental expert saccade behavior with high accuracy, 2022, , .		2
75	Gaze guidance for the visually impaired. , 2014, , .		1
76	Driving with Homonymous Visual Field Defects. , 2017, , 135-144.		1
77	Towards pervasive eye tracking. IT - Information Technology, 2017, 59, 253-257.	0.9	1
78	Regressive Saccadic Eye Movements on Fake News. , 2022, , .		1
79	States of Confusion: Eye and Head Tracking Reveal Surgeons'™ Confusion during Arthroscopic Surgery. , 2021, , .		0
80	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
81	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
82	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
83	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
84	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
85	Pupil diameter differentiates expertise in dental radiography visual search. , 2020, 15, e0223941.		0
86	A Highly Integrated Ambient Light Robust Eye-Tracking Sensor for Retinal Projection AR Glasses Based on Laser Feedback Interferometry. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-18.	3.3	0
87	Predicting Decision-Making during an Intelligence Test via Semantic Scanpath Comparisons. , 2022, , .		0
88	A Holographic Single-Pixel Stereo Camera Sensor for Calibration-free Eye-Tracking in Retinal Projection Augmented Reality Glasses. , 2022, , .		0