Rafael Cabeza

List of Publications by Year
in descending order

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41	968	623734	477307
papers	citations	14 h-index	29 g-index

41	41	41	893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a prediction protocol for the screening of metabolic associated fatty liver disease in children with overweight or obesity. Pediatric Obesity, 2022, 17, e12917.	2.8	4
2	Synthetic Gaze Data Augmentation for Improved User Calibration. Lecture Notes in Computer Science, 2021, , 377-389.	1.3	1
3	Low-Cost Eye Tracking Calibration: A Knowledge-Based Study. Sensors, 2021, 21, 5109.	3.8	3
4	Associations of fitness and physical activity with specific abdominal fat depots in children with overweight/obesity. Scandinavian Journal of Medicine and Science in Sports, 2021, , .	2.9	9
5	Accurate Pupil Center Detection in Off-the-Shelf Eye Tracking Systems Using Convolutional Neural Networks. Sensors, 2021, 21, 6847.	3.8	8
6	Low Cost Gaze Estimation: Knowledge-Based Solutions. IEEE Transactions on Image Processing, 2020, 29, 2328-2343.	9.8	4
7	Gaze estimation problem tackled through synthetic images. , 2020, , .		1
8	Robust and accurate 2D-tracking-based 3D positioning method: Application to head pose estimation. Computer Vision and Image Understanding, 2019, 180, 13-22.	4.7	16
9	U2Eyes: A Binocular Dataset for Eye Tracking and Gaze Estimation. , 2019, , .		16
10	Introducing I2head database. , 2018, , .		10
11	Supervised descent method (SDM) applied to accurate pupil detection in off-the-shelf eye tracking systems. , 2018, , .		4
12	Fast and robust ellipse detection algorithm for head-mounted eye tracking systems. Machine Vision and Applications, 2018, 29, 845-860.	2.7	14
13	Improved Strategies for HPE Employing Learning-by-Synthesis Approaches. , 2017, , .		8
14	A novel 2D/3D database with automatic face annotation for head tracking and pose estimation. Computer Vision and Image Understanding, 2016, 148, 201-210.	4.7	56
15	Hierarchical multi-resolution decomposition of statistical shape models. Signal, Image and Video Processing, 2015, 9, 1473-1490.	2.7	2
16	Design issues of remote eye tracking systems with large range of movement. , 2014, , .		1
17	Generalized Multiresolution Hierarchical Shape Models via Automatic Landmark Clusterization. Lecture Notes in Computer Science, 2014, 17, 1-8.	1.3	3
18	Hybrid method based on topography for robust detection of iris center and eye corners. ACM Transactions on Multimedia Computing, Communications and Applications, 2013, 9, 1-20.	4.3	70

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19	Multiresolution Hierarchical Shape Models in 3D Subcortical Brain Structures. Lecture Notes in Computer Science, 2013, 16, 641-648.	1.3	3
20	Full Multiresolution Active Shape Models. Journal of Mathematical Imaging and Vision, 2012, 44, 463-479.	1.3	2
21	Study of Polynomial Mapping Functions in Video-Oculography Eye Trackers. ACM Transactions on Computer-Human Interaction, 2012, 19, 1-25.	5.7	191
22	Gaze Estimation Interpolation Methods Based on Binocular Data. IEEE Transactions on Biomedical Engineering, 2012, 59, 2235-2243.	4.2	41
23	Hierarchical Statistical Shape Models of Multiobject Anatomical Structures: Application to Brain MRI. IEEE Transactions on Medical Imaging, 2012, 31, 713-724.	8.9	39
24	Stereo matching using gradient similarity and locally adaptive support-weight. Pattern Recognition Letters, 2011, 32, 1643-1651.	4.2	58
25	Efficient aggregation via iterative block-based adapting support-weights. , 2011, , .		2
26	Topography-Based Detection of the Iris Centre Using Multiple-Resolution Images. , 2011, , .		5
27	Optimizing interoperability between video-oculographic and electromyographic systems. Journal of Rehabilitation Research and Development, 2011, 48, 253.	1.6	11
28	Shape Constraint Strategies: Novel Approaches and Comparative Robustness. , 2011, , .		8
29	A geometric approach to remote eye tracking. Universal Access in the Information Society, 2009, 8, 241-257.	3.0	13
30	Evaluation of Corneal Refraction in a Model of a Gaze Tracking System. IEEE Transactions on Biomedical Engineering, 2008, 55, 2812-2822.	4.2	17
31	A Novel Gaze Estimation System With One Calibration Point. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1123-1138.	5.0	134
32	Taxonomic study of polynomial regressions applied to the calibration of video-oculographic systems. , 2008, , .		49
33	GAZE TRACKING SYSTEM MODEL BASED ON PHYSICAL PARAMETERS. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 855-877.	1.2	18
34	Models for Gaze Tracking Systems. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-16.	2.6	29
35	Study of discriminant analysis applied to motor imagery bipolar data. Medical and Biological Engineering and Computing, 2007, 45, 61-68.	2.8	35
36	Models for Gaze Tracking Systems. Eurasip Journal on Image and Video Processing, 2007, 2007, 023570.	2.6	9

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37	Eye tracking: Pupil orientation geometrical modeling. Image and Vision Computing, 2006, 24, 663-679.	4.5	33
38	Eye tracking system model with easy calibration. , 2004, , .		17
39	Analog Universal Active Device: Theory, Design and Applications. Analog Integrated Circuits and Signal Processing, 1997, 12, 153-168.	1.4	19
40	Use of a CCII â€" as a universal building block. Microelectronics Journal, 1997, 28, 543-550.	2.0	4
41	Gaze Estimation. , 0, , 310-325.		1