

Michael Dorr

List of Publications by Year in descending order

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38
papers

1,541
citations

643344

15
h-index

425179

34
g-index

38
all docs

38
docs citations

38
times ranked

1824
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of Computer-Adaptive Contrast Sensitivity as a Tool to Assess Visual Impairment in Multiple Sclerosis Patients. <i>Frontiers in Neuroscience</i> , 2021, 15, 591302.	1.4	11
2	Psychophysical Validation of a Novel Active Learning Approach for Measuring the Visual Acuity Behavioral Function. <i>Translational Vision Science and Technology</i> , 2021, 10, 1.	1.1	5
3	Supersaliency: A Novel Pipeline for Predicting Smooth Pursuit-Based Attention Improves Generalisability of Video Saliency. <i>IEEE Access</i> , 2020, 8, 1276-1289.	2.6	2
4	From Gaussian blobs to naturalistic videos: Comparison of oculomotor behavior across different stimulus complexities. <i>Journal of Vision</i> , 2020, 20, 26.	0.1	8
5	Following Forrest Gump: Smooth pursuit related brain activation during free movie viewing. <i>NeuroImage</i> , 2020, 216, 116491.	2.1	10
6	Active learning for visual acuity testing. , 2019, , .		9
7	Binocular Summation and Suppression of Contrast Sensitivity in Strabismus, Fusion and Amblyopia. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 234.	1.0	23
8	Visual exploration of emotional faces in schizophrenia using masks from the Japanese Noh theatre. <i>Neuropsychologia</i> , 2019, 133, 107193.	0.7	2
9	Characterizing and automatically detecting smooth pursuit in a large-scale ground-truth data set of dynamic natural scenes. <i>Journal of Vision</i> , 2019, 19, 10.	0.1	12
10	1D CNN with BLSTM for automated classification of fixations, saccades, and smooth pursuits. <i>Behavior Research Methods</i> , 2019, 51, 556-572.	2.3	70
11	Free visual exploration of natural movies in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2019, 269, 407-418.	1.8	15
12	360-aware saliency estimation with conventional image saliency predictors. <i>Signal Processing: Image Communication</i> , 2018, 69, 43-52.	1.8	50
13	New Precision Metrics for Contrast Sensitivity Testing. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 919-925.	3.9	22
14	Evaluation of the precision of contrast sensitivity function assessment on a tablet device. <i>Scientific Reports</i> , 2017, 7, 46706.	1.6	27
15	A novel measure to determine viewing priority and its neural correlates in the human brain. <i>Journal of Vision</i> , 2016, 16, 3.	0.1	8
16	Sensitivity to gaze-contingent contrast increments in naturalistic movies: An exploratory report and model comparison. <i>Journal of Vision</i> , 2015, 15, 3.	0.1	5
17	Using 10AFC to further improve the efficiency of the quick CSF method. <i>Journal of Vision</i> , 2015, 15, 2.	0.1	62
18	Development of pattern vision following early and extended blindness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2035-2039.	3.3	84

#	ARTICLE	IF	CITATIONS
19	Large-Scale Optimization of Hierarchical Features for Saliency Prediction in Natural Images. , 2014, , .		277
20	Learning to see: Guiding students' attention via a Model's eye movements fosters learning. Learning and Instruction, 2013, 25, 62-70.	1.9	165
21	Peri-Saccadic Natural Vision. Journal of Neuroscience, 2013, 33, 1211-1217.	1.7	45
22	Rapid and Reliable Assessment of the Contrast Sensitivity Function on an iPad. , 2013, 54, 7266.		88
23	Gaze guidance reduces the number of collisions with pedestrians in a driving simulator. ACM Transactions on Interactive Intelligent Systems, 2012, 1, 1-14.	2.6	25
24	Eye movement prediction and variability on natural video data sets. Visual Cognition, 2012, 20, 495-514.	0.9	12
25	Impact of dynamic bottom-up features and top-down control on the visual exploration of moving real-world scenes in hemispatial neglect. Neuropsychologia, 2012, 50, 2415-2425.	0.7	41
26	Intrinsic Dimensionality Predicts the Saliency of Natural Dynamic Scenes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1080-1091.	9.7	40
27	Colour Saliency on Video. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 601-606.	0.2	2
28	Safer Driving with Gaze Guidance. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 581-586.	0.2	2
29	Contribution of Spatio-temporal Intensity Variation to Bottom-Up Saliency. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 469-474.	0.2	1
30	Learned saliency transformations for gaze guidance. , 2011, , .		4
31	Eye Movements Show Optimal Average Anticipation with Natural Dynamic Scenes. Cognitive Computation, 2011, 3, 79-88.	3.6	16
32	Efficient coding and multiple motions. Vision Research, 2010, 50, 2190-2199.	0.7	2
33	Variability of eye movements when viewing dynamic natural scenes. Journal of Vision, 2010, 10, 28-28.	0.1	318
34	A Learned Saliency Predictor for Dynamic Natural Scenes. Lecture Notes in Computer Science, 2010, , 52-61.	1.0	7
35	Efficient visual coding and the predictability of eye movements on natural movies. Spatial Vision, 2009, 22, 397-408.	1.4	32
36	The contribution of low-level features at the centre of gaze to saccade target selection. Vision Research, 2009, 49, 2918-2926.	0.7	4

#	ARTICLE	IF	CITATIONS
37	Eye movement predictions on natural videos. <i>Neurocomputing</i> , 2006, 69, 1996-2004.	3.5	26
38	Guiding Eye Movements for Better Communication and Augmented Vision. <i>Lecture Notes in Computer Science</i> , 2006, , 1-8.	1.0	9