Michael Dorr

List of Publications by Citations

38 papers	1,107 citations	16 h-index	33 g-index
38 ext. papers	1,320 ext. citations	3.3 avg, IF	4.67 L-index

#	Paper	IF	Citations
38	Variability of eye movements when viewing dynamic natural scenes. *Journal of Vision*, **2010**, 10, 28	0.4	239
37	Large-Scale Optimization of Hierarchical Features for Saliency Prediction in Natural Images **2014**,		198
36	Learning to see: Guiding studentscattention via a Modelcs eye movements fosters learning. *Learning and Instruction*, **2013**, 25, 62-70	5.8	121
35	Rapid and reliable assessment of the contrast sensitivity function on an iPad **2013**, 54, 7266-73		76
34	Development of pattern vision following early and extended blindness. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2035-9	11.5	57
33	Using 10AFC to further improve the efficiency of the quick CSF method. *Journal of Vision*, **2015**, 15, 2	0.4	47
32	Peri-saccadic natural vision. *Journal of Neuroscience*, **2013**, 33, 1211-7	6.6	38
31	1D CNN with BLSTM for automated classification of fixations, saccades, and smooth pursuits. *Behavior Research Methods*, **2019**, 51, 556-572	6.1	34
30	Intrinsic dimensionality predicts the saliency of natural dynamic scenes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2012**, 34, 1080-91	13.3	32
29	360-aware saliency estimation with conventional image saliency predictors. *Signal Processing: Image Communication*, **2018**, 69, 43-52	2.8	31
28	Efficient visual coding and the predictability of eye movements on natural movies. *Spatial Vision*, **2009**, 22, 397-408		28
27	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, 2415-25	3.2	27
26	Gaze guidance reduces the number of collisions with pedestrians in a driving simulator. *ACM Transactions on Interactive Intelligent Systems*, **2012**, 1, 1-14	1.8	20
25	Eye movement predictions on natural videos. *Neurocomputing*, **2006**, 69, 1996-2004	5.4	19
24	Evaluation of the precision of contrast sensitivity function assessment on a tablet device. *Scientific Reports*, **2017**, 7, 46706	4.9	18
23	New Precision Metrics for Contrast Sensitivity Testing. *IEEE Journal of Biomedical and Health Informatics*, **2018**, 22, 919-925	7.2	18
22	Binocular Summation and Suppression of Contrast Sensitivity in Strabismus, Fusion and Amblyopia. *Frontiers in Human Neuroscience*, **2019**, 13, 234	3.3	15

21	Eye Movements Show Optimal Average Anticipation with Natural Dynamic Scenes. *Cognitive Computation*, **2011**, 3, 79-88	4.4	11
20	Eye movement prediction and variability on natural video data sets. *Visual Cognition*, **2012**, 20, 495-514	1.8	11
19	Free visual exploration of natural movies in schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2019**, 269, 407-418	5.1	10
18	A novel measure to determine viewing priority and its neural correlates in the human brain. *Journal of Vision*, **2016**, 16, 3	0.4	7
17	Characterizing and automatically detecting smooth pursuit in a large-scale ground-truth data set of dynamic natural scenes. *Journal of Vision*, **2019**, 19, 10	0.4	7
16	Active learning for visual acuity testing **2019**,		5
15	Guiding Eye Movements for Better Communication and Augmented Vision. *Lecture Notes in Computer Science*, **2006**, 1-8	0.9	5
14	Following Forrest Gump: Smooth pursuit related brain activation during free movie viewing. *NeuroImage*, **2020**, 216, 116491	7.9	4
13	Sensitivity to gaze-contingent contrast increments in naturalistic movies: An exploratory report and model comparison. *Journal of Vision*, **2015**, 15, 3	0.4	4
12	The contribution of low-level features at the centre of gaze to saccade target selection. *Vision Research*, **2009**, 49, 2918-26	2.1	4
11	A Learned Saliency Predictor for Dynamic Natural Scenes. *Lecture Notes in Computer Science*, **2010**, 52-61	0.9	4
10	From Gaussian blobs to naturalistic videos: Comparison of oculomotor behavior across different stimulus complexities. *Journal of Vision*, **2020**, 20, 26	0.4	4
9	Learned saliency transformations for gaze guidance **2011**,		3
8	Visual exploration of emotional faces in schizophrenia using masks from the Japanese Noh theatre. *Neuropsychologia*, **2019**, 133, 107193	3.2	2
7	Efficient coding and multiple motions. *Vision Research*, **2010**, 50, 2190-9	2.1	2
6	Psychophysical Validation of a Novel Active Learning Approach for Measuring the Visual Acuity Behavioral Function. *Translational Vision Science and Technology*, **2021**, 10, 1	3.3	2
5	Colour Saliency on Video. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 601-606	0.2	1
4	Safer Driving with Gaze Guidance. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 581-586	0.2	1

3	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
2	Validation of Computer-Adaptive Contrast Sensitivity as a Tool to Assess Visual Impairment in Multiple Sclerosis Patients. *Frontiers in Neuroscience*, **2021**, 15, 591302	5.1	1
1	Supersaliency: A Novel Pipeline for Predicting Smooth Pursuit-Based Attention Improves Generalisability of Video Saliency. *IEEE Access*, **2020**, 8, 1276-1289	3.5	0