# Michael Dorr

List of Publications by Year
in descending order



| 38 | 1,541 | 567144 15 | 377752 34 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 38 | 38 | 38 | 1603 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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

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|---|---|---|---|
| 37 | Eye movement predictions on natural videos. Neurocomputing, 2006, 69, 1996-2004. | 3.5 | 26 |
| 38 | Guiding Eye Movements for Better Communication and Augmented Vision. Lecture Notes in Computer Science, 2006, , 1-8. | 1.0 | 9 |