

# Ione Fine

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

2,323  
citations

24  
h-index

48  
g-index

55  
ext. papers

2,816  
ext. citations

5.2  
avg, IF

4.89  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 50 | Visual stimuli activate auditory cortex in the deaf. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 1171-3  | 25.5 | 430       |
| 49 | Long-term deprivation affects visual perception and cortex. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 915-6  | 25.5 | 233       |
| 48 | Visual performance using a retinal prosthesis in three subjects with retinitis pigmentosa. <i>American Journal of Ophthalmology</i> , <b>2007</b> , 143, 820-827   | 4.9  | 204       |
| 47 | Factors affecting perceptual thresholds in epiretinal prostheses. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 2303-14  |      | 174       |
| 46 | Comparing perceptual learning tasks: a review. <i>Journal of Vision</i> , <b>2002</b> , 2, 190-203   | 0.4  | 162       |
| 45 | Visual Motion Area MT+/V5 Responds to Auditory Motion in Human Sight-Recovery Subjects. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 5141-8  | 6.6  | 123       |
| 44 | Frequency and amplitude modulation have different effects on the percepts elicited by retinal stimulation <b>2012</b> , 53, 205-14   |      | 103       |
| 43 | Predicting visual sensitivity in retinal prosthesis patients <b>2009</b> , 50, 1483-91   |      | 83        |
| 42 | Brightness as a function of current amplitude in human retinal electrical stimulation <b>2009</b> , 50, 5017-25  |      | 78        |
| 41 | Spatiotemporal interactions in retinal prosthesis subjects <b>2010</b> , 51, 1223-33   |      | 77        |
| 40 | Surface segmentation based on the luminance and color statistics of natural scenes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2003</b> , 20, 1283-91 | 1.8  | 54        |
| 39 | Learning to see again: biological constraints on cortical plasticity and the implications for sight restoration technologies. <i>Journal of Neural Engineering</i> , <b>2017</b> , 14, 051003            | 5    | 48        |
| 38 | Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 12366-82  | 6.6  | 45        |
| 37 | A model of ganglion axon pathways accounts for percepts elicited by retinal implants. <i>Scientific Reports</i> , <b>2019</b> , 9, 9199  | 4.9  | 39        |
| 36 | Population receptive field estimates of human auditory cortex. <i>NeuroImage</i> , <b>2015</b> , 105, 428-39   | 7.9  | 38        |
| 35 | Minimizing biases in estimating the reorganization of human visual areas with BOLD retinotopic mapping. <i>Journal of Vision</i> , <b>2013</b> , 13, 13  | 0.4  | 37        |
| 34 | Auditory motion processing after early blindness. <i>Journal of Vision</i> , <b>2014</b> , 14, 4   | 0.4  | 36        |

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| 33 | Temporal interactions during paired-electrode stimulation in two retinal prosthesis subjects <b>2011</b> , 52, 549-57   |      | 36 |
| 32 | Early Blindness Results in Developmental Plasticity for Auditory Motion Processing within Auditory and Occipital Cortex. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 324   | 3.3  | 35 |
| 31 | Pulse trains to percepts: the challenge of creating a perceptually intelligible world with sight recovery technologies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370, 20140208 | 5.8  | 32 |
| 30 | Visual function before and after the removal of bilateral congenital cataracts in adulthood. <i>Vision Research</i> , <b>2002</b> , 42, 191-210   | 2.1  | 32 |
| 29 | Re-examining overlap between tactile and visual motion responses within hMT+ and STS. <i>NeuroImage</i> , <b>2015</b> , 119, 187-96   | 7.9  | 27 |
| 28 | A lack of experience-dependent plasticity after more than a decade of recovered sight. <i>Psychological Science</i> , <b>2015</b> , 26, 393-401   | 7.9  | 24 |
| 27 | Anatomical and functional plasticity in early blind individuals and the mixture of experts architecture. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 971  | 3.3  | 24 |
| 26 | Visual callosal topography in the absence of retinal input. <i>NeuroImage</i> , <b>2013</b> , 81, 325-334   | 7.9  | 23 |
| 25 | Subcortical functional reorganization due to early blindness. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 2889-99  | 3.9  | 21 |
| 24 | Blindness and Human Brain Plasticity. <i>Annual Review of Vision Science</i> , <b>2018</b> , 4, 337-356   | 8.2  | 14 |
| 23 | Early Blindness Shapes Cortical Representations of Auditory Frequency within Auditory Cortex. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 5143-5152  | 6.6  | 13 |
| 22 | Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. <i>Journal of Neurophysiology</i> , <b>2015</b> , 114, 1725-33  | 3.2  | 12 |
| 21 | pulse2percept: A Python-based simulation framework for bionic vision <b>2017</b> ,  |      | 12 |
| 20 | Vision after 53 years of blindness. <i>I-Perception</i> , <b>2013</b> , 4, 498-507  | 1.2  | 9  |
| 19 | Responses in area hMT+ reflect tuning for both auditory frequency and motion after blindness early in life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10081-10086 | 11.5 | 7  |
| 18 | The Effect of Onset Age of Visual Deprivation on Visual Cortex Surface Area Across-Species. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 4321-4333  | 5.1  | 7  |
| 17 | Sensory systems: Do you hear what I see?. <i>Nature</i> , <b>2014</b> , 508, 461-2  | 50.4 | 4  |
| 16 | pulse2percept: A Python-based simulation framework for bionic vision  |      | 3  |

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| 15 | New insights into cortical development and plasticity: from molecules to behavior. <i>Current Opinion in Physiology</i> , <b>2020</b> , 16, 50-60  | 2.6 | 3 |
| 14 | Modeling the perceptual experience of retinal prosthesis patients. <i>Journal of Vision</i> , <b>2017</b> , 17, 573  | 0.4 | 2 |
| 13 | The Effects of Visual Deprivation After Infancy <b>2011</b> , 750-766  |     | 2 |
| 12 | Reconstructing Tone Sequences from Functional Magnetic Resonance Imaging Blood-Oxygen Level Dependent Responses within Human Primary Auditory Cortex. <i>Frontiers in Psychology</i> , <b>2017</b> , 8, 1983 | 3.4 | 1 |
| 11 | Model-Based Recommendations for Optimal Surgical Placement of Epiretinal Implants.. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11768, 394-402  | 0.9 | 1 |
| 10 | What limits the spatial resolution of artificial vision in epiretinal implant patients?. <i>Journal of Vision</i> , <b>2022</b> , 22, 12   | 0.4 |   |
| 9  | The mechanisms underlying enhanced auditory motion perception in early blind individuals.. <i>Journal of Vision</i> , <b>2022</b> , 22, 25   | 0.4 |   |
| 8  | Vision in the blind. <i>Journal of Vision</i> , <b>2018</b> , 18, 1348   | 0.4 |   |
| 7  | Cross-modal Plasticity After Early Blindness Co-opts Persisting Visual Architecture.. <i>Journal of Vision</i> , <b>2018</b> , 18, 1226  | 0.4 |   |
| 6  | Enhanced auditory segregation in early blind individuals. <i>Journal of Vision</i> , <b>2019</b> , 19, 167   | 0.4 |   |
| 5  | The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. <i>Journal of Vision</i> , <b>2019</b> , 19, 79   | 0.4 |   |
| 4  | Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli. <i>Journal of Vision</i> , <b>2019</b> , 19, 80   | 0.4 |   |
| 3  | Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli in typical and atypical binocular vision. <i>Journal of Vision</i> , <b>2019</b> , 19, 45                        | 0.4 |   |
| 2  | Examining auditory object and scene processing in early blind individuals.. <i>Journal of Vision</i> , <b>2017</b> , 17, 1358  | 0.4 |   |
| 1  | Learning to see again: Perceptual learning of simulated abnormal on- off-cell population responses in sighted individuals.. <i>Journal of Vision</i> , <b>2021</b> , 21, 10                                  | 0.4 |   |