

Ione Fine

List of Publications by Year in Descending Order

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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	What limits the spatial resolution of artificial vision in epiretinal implant patients?. <i>Journal of Vision</i> , 2022 , 22, 12	0.4	
49	The mechanisms underlying enhanced auditory motion perception in early blind individuals.. <i>Journal of Vision</i> , 2022 , 22, 25	0.4	
48	Learning to see again: Perceptual learning of simulated abnormal on- off-cell population responses in sighted individuals.. <i>Journal of Vision</i> , 2021 , 21, 10	0.4	
47	New insights into cortical development and plasticity: from molecules to behavior. <i>Current Opinion in Physiology</i> , 2020 , 16, 50-60	2.6	3
46	A model of ganglion axon pathways accounts for percepts elicited by retinal implants. <i>Scientific Reports</i> , 2019 , 9, 9199	4.9	39
45	Early Blindness Shapes Cortical Representations of Auditory Frequency within Auditory Cortex. <i>Journal of Neuroscience</i> , 2019 , 39, 5143-5152	6.6	13
44	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> , 2019 , 116, 10081-10086	11.5	7
43	Enhanced auditory segregation in early blind individuals. <i>Journal of Vision</i> , 2019 , 19, 167	0.4	
42	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. <i>Journal of Vision</i> , 2019 , 19, 79	0.4	
41	Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli. <i>Journal of Vision</i> , 2019 , 19, 80	0.4	
40	Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli in typical and atypical binocular vision. <i>Journal of Vision</i> , 2019 , 19, 45	0.4	
39	Model-Based Recommendations for Optimal Surgical Placement of Epiretinal Implants.. <i>Lecture Notes in Computer Science</i> , 2019 , 11768, 394-402	0.9	1
38	The Effect of Onset Age of Visual Deprivation on Visual Cortex Surface Area Across-Species. <i>Cerebral Cortex</i> , 2019 , 29, 4321-4333	5.1	7
37	Blindness and Human Brain Plasticity. <i>Annual Review of Vision Science</i> , 2018 , 4, 337-356	8.2	14
36	Vision in the blind. <i>Journal of Vision</i> , 2018 , 18, 1348	0.4	
35	Cross-modal Plasticity After Early Blindness Co-opts Persisting Visual Architecture.. <i>Journal of Vision</i> , 2018 , 18, 1226	0.4	
34	Learning to see again: biological constraints on cortical plasticity and the implications for sight restoration technologies. <i>Journal of Neural Engineering</i> , 2017 , 14, 051003	5	48

33	Reconstructing Tone Sequences from Functional Magnetic Resonance Imaging Blood-Oxygen Level Dependent Responses within Human Primary Auditory Cortex. <i>Frontiers in Psychology</i> , 2017 , 8, 1983	3.4	1
32	Modeling the perceptual experience of retinal prosthesis patients. <i>Journal of Vision</i> , 2017 , 17, 573	0.4	2
31	pulse2percept: A Python-based simulation framework for bionic vision 2017 ,		12
30	Examining auditory object and scene processing in early blind individuals.. <i>Journal of Vision</i> , 2017 , 17, 1358	0.4	
29	Early Blindness Results in Developmental Plasticity for Auditory Motion Processing within Auditory and Occipital Cortex. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 324	3.3	35
28	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> , 2015 , 370, 20140208	5.8	32
27	Re-examining overlap between tactile and visual motion responses within hMT+ and STS. <i>NeuroImage</i> , 2015 , 119, 187-96	7.9	27
26	A lack of experience-dependent plasticity after more than a decade of recovered sight. <i>Psychological Science</i> , 2015 , 26, 393-401	7.9	24
25	Subcortical functional reorganization due to early blindness. <i>Journal of Neurophysiology</i> , 2015 , 113, 2889-99	3.9	21
24	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. <i>Journal of Neurophysiology</i> , 2015 , 114, 1725-33	3.2	12
23	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. <i>Journal of Neuroscience</i> , 2015 , 35, 12366-82	6.6	45
22	Population receptive field estimates of human auditory cortex. <i>NeuroImage</i> , 2015 , 105, 428-39	7.9	38
21	Sensory systems: Do you hear what I see?. <i>Nature</i> , 2014 , 508, 461-2	5.4	4
20	Anatomical and functional plasticity in early blind individuals and the mixture of experts architecture. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 971	3.3	24
19	Auditory motion processing after early blindness. <i>Journal of Vision</i> , 2014 , 14, 4	0.4	36
18	Visual callosal topography in the absence of retinal input. <i>NeuroImage</i> , 2013 , 81, 325-334	7.9	23
17	Vision after 53 years of blindness. <i>I-Perception</i> , 2013 , 4, 498-507	1.2	9
16	Minimizing biases in estimating the reorganization of human visual areas with BOLD retinotopic mapping. <i>Journal of Vision</i> , 2013 , 13, 13	0.4	37

15	Frequency and amplitude modulation have different effects on the percepts elicited by retinal stimulation 2012 , 53, 205-14		103
14	Temporal interactions during paired-electrode stimulation in two retinal prosthesis subjects 2011 , 52, 549-57		36
13	The Effects of Visual Deprivation After Infancy 2011 , 750-766		2
12	Spatiotemporal interactions in retinal prosthesis subjects 2010 , 51, 1223-33		77
11	Brightness as a function of current amplitude in human retinal electrical stimulation 2009 , 50, 5017-25		78
10	Predicting visual sensitivity in retinal prosthesis patients 2009 , 50, 1483-91		83
9	Visual Motion Area MT+/V5 Responds to Auditory Motion in Human Sight-Recovery Subjects. <i>Journal of Neuroscience</i> , 2008 , 28, 5141-8	6.6	123
8	Factors affecting perceptual thresholds in epiretinal prostheses. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2303-14		174
7	Visual performance using a retinal prosthesis in three subjects with retinitis pigmentosa. <i>American Journal of Ophthalmology</i> , 2007 , 143, 820-827	4.9	204
6	Long-term deprivation affects visual perception and cortex. <i>Nature Neuroscience</i> , 2003 , 6, 915-6	25.5	233
5	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> , 2003 , 20, 1283-91	1.8	54
4	Comparing perceptual learning tasks: a review. <i>Journal of Vision</i> , 2002 , 2, 190-203	0.4	162
3	Visual function before and after the removal of bilateral congenital cataracts in adulthood. <i>Vision Research</i> , 2002 , 42, 191-210	2.1	32
2	Visual stimuli activate auditory cortex in the deaf. <i>Nature Neuroscience</i> , 2001 , 4, 1171-3	25.5	430
1	pulse2percept: A Python-based simulation framework for bionic vision		3