

Amblyopia and binocular vision

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Transcranial Direct Current Stimulation Enhances Recovery of Stereopsis in Adults With Amblyopia. <i>Neurotherapeutics</i> , 2013, 10, 831-839.	2.1	86
2	Horizontal Saccade Dynamics After Childhood Monocular Enucleation. , 2013, 54, 6463.		7
3	The Effect of Degrading Binocular Single Vision on Fine Visuomotor Skill Task Performance. , 2013, 54, 8204.		33
4	Fixational eye movements and binocular vision. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 52.	1.0	61
5	Neuroimaging of amblyopia and binocular vision: a review. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 62.	1.0	55
6	Origins of strabismus and loss of binocular vision. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 71.	1.0	59
7	Cribado de alteraciones visuales (parte 1). <i>Pediatría De Atención Primaria</i> , 2014, 16, e173-e194.	0.2	0
8	Effects of Strabismic Amblyopia and Strabismus Without Amblyopia on Visuomotor Behavior: III. Temporal Eye-Hand Coordination During Reaching. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 7831-7838.	3.3	25
9	Early Monocular Defocus Disrupts the Normal Development of Receptive-Field Structure in V2 Neurons of Macaque Monkeys. <i>Journal of Neuroscience</i> , 2014, 34, 13840-13854.	1.7	39
10	Unaffected smooth pursuit but impaired motion perception in monocularly enucleated observers. <i>Vision Research</i> , 2014, 101, 151-157.	0.7	9
11	Global processing in amblyopia: a review. <i>Frontiers in Psychology</i> , 2014, 5, 583.	1.1	89
12	The W.H.E.E.L.S. Preschool Vision Screening Program's Initial Outcomes for 12,402 Children Screened Using the Plusoptix Photoscreener. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-4.	0.9	2
13	Persistent Binocular Diplopia in Childhood Following Successful Treatment for Esotropia: A Case Series. <i>American Orthoptic Journal</i> , 2014, 64, 117-122.	0.3	0
14	The case from animal studies for balanced binocular treatment strategies for human amblyopia. <i>Ophthalmic and Physiological Optics</i> , 2014, 34, 129-145.	1.0	26
15	The iPod binocular home-based treatment for amblyopia in adults: efficacy and compliance. <i>Australasian journal of optometry</i> , The, 2014, 97, 389-398.	0.6	81
16	Should amblyopia be treated?. <i>Ophthalmic and Physiological Optics</i> , 2014, 34, 226-232.	1.0	5
17	Binocular vision in amblyopia: structure, suppression and plasticity. <i>Ophthalmic and Physiological Optics</i> , 2014, 34, 146-162.	1.0	138
18	Current Understanding of What Infants See. <i>Current Ophthalmology Reports</i> , 2014, 2, 142-149.	0.5	13

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19	Effects of Strabismic Amblyopia on Visuomotor Behavior: Part II. Visually Guided Reaching. , 2014, 55, 3857.		33
20	Visual Development. , 2014, , .		17
22	False amblyopia prediction in strabismic patients by fixation preference testing correlates with contralateral ocular dominance. Journal of AAPOS, 2014, 18, 453-456.	0.2	7
23	Plasticity of the Visual Cortex and Treatment of Amblyopia. Current Biology, 2014, 24, R936-R940.	1.8	51
24	Binocular Training Reduces Amblyopic Visual Acuity Impairment. Strabismus, 2014, 22, 1-6.	0.4	41
25	Mechanisms of recovery of visual function in adult amblyopia through a tailored action video game. Scientific Reports, 2015, 5, 8482.	1.6	67
26	Development of Three-Dimensional Perception in Human Infants. Annual Review of Vision Science, 2015, 1, 569-594.	2.3	19
27	Retinal Nerve Fibre Layer and Macular Thicknesses in Adults with Hyperopic Anisometropic Amblyopia. Journal of Ophthalmology, 2015, 2015, 1-6.	0.6	16
28	Global visual training and extent of transfer in amblyopic macaque monkeys. Journal of Vision, 2015, 15, 14.	0.1	4
29	Perceptual Visual Distortions in Adult Amblyopia and Their Relationship to Clinical Features. , 2015, 56, 5533.		11
30	Prehension of a Flanked Target in Individuals With Amblyopia. , 2015, 56, 7568.		8
31	Binocular visual training to promote recovery from monocular deprivation. Journal of Vision, 2015, 15, 2-2.	0.1	42
32	The effect of occlusion therapy on motion perception deficits in amblyopia. Vision Research, 2015, 114, 122-134.	0.7	30
33	Binocular versus standard occlusion or blurring treatment for unilateral amblyopia in children aged three to eight years. The Cochrane Library, 2015, , CD011347.	1.5	21
34	Stereopsis and amblyopia: A mini-review. Vision Research, 2015, 114, 17-30.	0.7	274
35	Subfoveal Choroidal Thickness and Axial Length in Preschool Children with Hyperopic Anisometropic Amblyopia. Current Eye Research, 2015, 40, 954-961.	0.7	34
36	Binocular eyelid closure promotes anatomical but not behavioral recovery from monocular deprivation. Vision Research, 2015, 114, 151-160.	0.7	18
37	A window into visual cortex development and recovery of vision: Introduction to the Vision Research special issue on Amblyopia. Vision Research, 2015, 114, 1-3.	0.7	10

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38	Amblyopia and the binocular approach to its therapy. <i>Vision Research</i> , 2015, 114, 4-16.	0.7	171
39	Tract-based spatial statistics analysis of white matter changes in children with anisometropic amblyopia. <i>Neuroscience Letters</i> , 2015, 597, 7-12.	1.0	12
40	Binocular iPad treatment for amblyopia in preschool children. <i>Journal of AAPOS</i> , 2015, 19, 6-11.	0.2	128
41	A dichoptic custom-made action video game as a treatment for adult amblyopia. <i>Vision Research</i> , 2015, 114, 173-187.	0.7	139
42	How to assess eyes and vision in infants and preschool children. <i>BMJ, The</i> , 2015, 350, h1716-h1716.	3.0	5
43	Accommodative Performance of Children With Unilateral Amblyopia. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1193-1207.	3.3	31
44	Factors Affecting Improvement of Stereopsis Following Successful Surgical Correction of Childhood Strabismus in Adults. <i>Strabismus</i> , 2015, 23, 80-84.	0.4	15
45	Reach-to-precision grasp deficits in amblyopia: Effects of object contrast and low visibility. <i>Vision Research</i> , 2015, 114, 100-110.	0.7	25
46	Experience-dependent central vision deficits: Neurobiology and visual acuity. <i>Vision Research</i> , 2015, 114, 68-78.	0.7	17
47	Dichoptic training improves contrast sensitivity in adults with amblyopia. <i>Vision Research</i> , 2015, 114, 161-172.	0.7	51
48	The Effect of Amblyopia Treatment with Patching on Ocular Alignment. <i>Journal of Korean Ophthalmological Society</i> , 2016, 57, 302.	0.0	0
49	Saccadic latency in amblyopia. <i>Journal of Vision</i> , 2016, 16, 3.	0.1	38
50	Fine Motor Skills of Children With Amblyopia Improve Following Binocular Treatment. , 2016, 57, 4713.		58
51	Assessing Suppression in Amblyopic Children With a Dichoptic Eye Chart. , 2016, 57, 5649.		50
52	A Robust and Reliable Test to Measure Stereopsis in the Clinic. , 2016, 57, 798.		27
53	The effect of transcranial direct current stimulation on contrast sensitivity and visual evoked potential amplitude in adults with amblyopia. <i>Scientific Reports</i> , 2016, 6, 19280.	1.6	58
54	Recovery of visual functions in amblyopic animals following brief exposure to total darkness. <i>Journal of Physiology</i> , 2016, 594, 149-167.	1.3	25
55	Improving access to vision screening in urban Philadelphia elementary schools. <i>Journal of AAPOS</i> , 2016, 20, 439-443.e1.	0.2	15

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56	Childhood amblyopia: current management and new trends. British Medical Bulletin, 2016, 119, 75-86.	2.7	73
57	Rapid recovery from the effects of early monocular deprivation is enabled by temporary inactivation of the retinas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14139-14144.	3.3	52
58	Binocular Treatment of Amblyopia in Children. JAMA Ophthalmology, 2016, 134, 1400.	1.4	4
59	Binocular treatment of amblyopia using videogames (BRAVO): study protocol for a randomised controlled trial. Trials, 2016, 17, 504.	0.7	31
60	Binocular iPad Game vs Patching for Treatment of Amblyopia in Children. JAMA Ophthalmology, 2016, 134, 1402.	1.4	147
61	Strabismus and the Oculomotor System: Insights from Macaque Models. Annual Review of Vision Science, 2016, 2, 37-59.	2.3	40
62	Abnormal visual experience during development alters the early stages of visual-tactile integration. Behavioural Brain Research, 2016, 304, 111-119.	1.2	11
63	Retinal Dysfunction in Patients with Congenital Fibrosis of the Extraocular Muscles Type 2. Ophthalmic Genetics, 2016, 37, 130-136.	0.5	13
64	Ocular and Visual Physiology. , 2016, , .		19
65	Distinct patterns of spontaneous brain activity between children and adults with anisometropic amblyopia: a resting-state fMRI study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 569-576.	1.0	26
66	Advances in Amblyopia Treatment: Paradigm Shifts and Future Directions. International Ophthalmology Clinics, 2017, 57, 117-128.	0.3	11
67	Slow reading in children with anisometropic amblyopia is associated with fixation instability and increased saccades. Journal of AAPOS, 2017, 21, 447-451.e1.	0.2	51
68	Stereopsis and fusion in anisometropia according to the presence of amblyopia. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 2487-2492.	1.0	19
70	Chromatic and achromatic monocular deprivation produce separable changes of eye dominance in adults. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171669.	1.2	31
71	Amblyopia treatment of adults with dichoptic training using the virtual reality oculus rift head mounted display: preliminary results. BMC Ophthalmology, 2017, 17, 105.	0.6	102
72	Fixation Characteristics of Severe Amblyopia Subtypes: Which One is Worse?. Seminars in Ophthalmology, 2017, 32, 553-558.	0.8	15
73	Risk factors for treatment failure and recurrence of anisometropic amblyopia. International Ophthalmology, 2017, 37, 835-842.	0.6	11
74	Unilateral Amblyopia Affects Two Eyes: Fellow Eye Deficits in Amblyopia. , 2017, 58, 1779.		74

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75	Regional Extent of Peripheral Suppression in Amblyopia. , 2017, 58, 2329.		16
76	Binocular Therapy for Childhood Amblyopia Improves Vision Without Breaking Interocular Suppression. , 2017, 58, 3031.		69
77	Effect of stimulus configuration on crowding in strabismic amblyopia. Journal of Vision, 2017, 17, 5.	0.1	5
78	A pragmatic approach to amblyopia diagnosis: evidence into practice. Australasian journal of optometry, The, 2018, 101, 451-459.	0.6	4
79	The functional impact of amblyopia. Australasian journal of optometry, The, 2018, 101, 443-450.	0.6	61
81	Amblyopia: New molecular/pharmacological and environmental approaches. Visual Neuroscience, 2018, 35, E018.	0.5	30
82	Optical treatment of amblyopia: a systematic review and meta-analysis. Australasian journal of optometry, The, 2018, 101, 431-442.	0.6	33
83	The impact of strabismus surgery on gait pattern in patients with congenital or starting within one year of age strabismus. Neuroscience Letters, 2018, 670, 22-30.	1.0	4
84	Patient-reported outcome measures in amblyopia and strabismus: a systematic review. Australasian journal of optometry, The, 2018, 101, 460-484.	0.6	14
85	The use of rigid gas permeable contact lenses in children with myopic amblyopia: A case series. Contact Lens and Anterior Eye, 2018, 41, 224-228.	0.8	7
86	Contrast-balanced binocular treatment in children with deprivation amblyopia. Australasian journal of optometry, The, 2018, 101, 541-552.	0.6	14
87	Developing a virtual reality application for the improvement of depth perception. , 2018, , .		7
88	Orientation Tuning and Contrast Dependence of Continuous Flash Suppression in Amblyopia and Normal Vision. , 2018, 59, 5462.		9
89	Temporal Ventriloquism Reveals Intact Audiovisual Temporal Integration in Amblyopia. , 2018, 59, 637.		3
90	A comparison of tests for quantifying sensory eye dominance. Vision Research, 2018, 153, 60-69.	0.7	23
91	Optimal Audiovisual Integration in the Ventriloquism Effect But Pervasive Deficits in Unisensory Spatial Localization in Amblyopia. , 2018, 59, 122.		6
92	Fluoxetine does not enhance the effect of perceptual learning on visual function in adults with amblyopia. Scientific Reports, 2018, 8, 12830.	1.6	15
93	Endogenous attention improves perception in amblyopic macaques. Journal of Vision, 2018, 18, 11.	0.1	10

#	ARTICLE	IF	CITATIONS
94	An action video game for the treatment of amblyopia in children: A feasibility study. <i>Vision Research</i> , 2018, 148, 1-14.	0.7	65
95	A Random Dot Computer Video Game Improves Stereopsis. <i>Optometry and Vision Science</i> , 2018, 95, 523-535.	0.6	30
96	Application of virtual reality for the treatment of Strabismus and Amblyopia. , 2018, , .		6
97	The development of human visual cortex and clinical implications. <i>Eye and Brain</i> , 2018, Volume 10, 25-36.	3.8	88
98	Increased choriocapillaris vessel density in amblyopic children: a case-control study. <i>Journal of AAPOS</i> , 2018, 22, 366-370.	0.2	23
99	Delay in presentation to hospital for childhood cataract surgery in India. <i>Eye</i> , 2018, 32, 1811-1818.	1.1	19
100	Improved Binocular Outcomes Following Binocular Treatment for Childhood Amblyopia. , 2018, 59, 1221.		58
101	Beyond Rehabilitation of Acuity, Ocular Alignment, and Binocularity in Infantile Strabismus. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 29.	1.2	9
102	Macular Thickness in Moderate to Severe Amblyopia. <i>Korean Journal of Ophthalmology: KJO</i> , 2018, 32, 312.	0.5	14
103	Multiple-Choice Answer Form Completion Time in Children With Amblyopia and Strabismus. <i>JAMA Ophthalmology</i> , 2018, 136, 938.	1.4	21
104	Audiovisual perception in amblyopia: A review and synthesis. <i>Experimental Eye Research</i> , 2019, 183, 68-75.	1.2	5
105	The role of somatosensory input in target localization during binocular and monocular viewing while performing a high precision reaching and placement task. <i>Experimental Eye Research</i> , 2019, 183, 76-83.	1.2	3
106	Fixation instability during binocular viewing in anisometric and strabismic children. <i>Experimental Eye Research</i> , 2019, 183, 29-37.	1.2	44
107	Impaired Fellow Eye Motion Perception and Abnormal Binocular Function. , 2019, 60, 3374.		18
108	A Convenient and Robust Test to Quantify Interocular Suppression for Children With Amblyopia. <i>I-Perception</i> , 2019, 10, 204166951986497.	0.8	8
109	Morphologic changes in the visual cortex of patients with anisometric amblyopia: a surface-based morphometry study. <i>BMC Neuroscience</i> , 2019, 20, 39.	0.8	9
110	Visuomotor Behaviour in Amblyopia: Deficits and Compensatory Adaptations. <i>Neural Plasticity</i> , 2019, 2019, 1-18.	1.0	31
111	Dichoptic De-Masking Learning in Adults With Amblyopia and Its Mechanisms. , 2019, 60, 2968.		11

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112	It's too late. Is it really? Considerations for amblyopia treatment in older children. Therapeutic Advances in Ophthalmology, 2019, 11, 251584141985737.	0.8	8
113	Congenital Nasolacrimal Duct Obstruction and the Visual System. , 2019, , .		0
114	The awareness of amblyopia among parents in Saudi Arabia. Therapeutic Advances in Ophthalmology, 2019, 11, 251584141986810.	0.8	16
115	The Role of Binocularity in Anisometric Amblyopia. Journal of Binocular Vision and Ocular Motility, 2019, 69, 141-152.	0.5	2
116	The Importance of the Interaction Between Ocular Motor Function and Vision During Human Infancy. Annual Review of Vision Science, 2019, 5, 201-221.	2.3	6
118	Objective and quantitative assessment of interocular suppression in strabismic amblyopia based on steady-state motion visual evoked potentials. Vision Research, 2019, 164, 44-52.	0.7	16
119	Binocular amblyopia treatment with contrast-rebalanced movies. Journal of AAPOS, 2019, 23, 160.e1-160.e5.	0.2	36
120	Analysis of peripapillary choroidal thickness in unilateral amblyopia. Journal of Ophthalmic and Vision Research, 2019, 14, 42.	0.7	5
121	Inverse Occlusion: A Binocularly Motivated Treatment for Amblyopia. Neural Plasticity, 2019, 2019, 1-12.	1.0	34
122	Altered cortical morphology of visual cortex in adults with monocular amblyopia. Journal of Magnetic Resonance Imaging, 2019, 50, 1405-1412.	1.9	10
123	Understanding the development of amblyopia using macaque monkey models. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26217-26223.	3.3	29
124	Impaired fine motor skills in children following extraction of a dense congenital or infantile unilateral cataract. Journal of AAPOS, 2019, 23, 330.e1-330.e6.	0.2	9
125	Abnormal Monocular and Dichoptic Temporal Synchrony in Adults with Amblyopia. , 2019, 60, 4858.		13
126	From suppression to stereoacuity: a composite binocular function score for clinical research. Ophthalmic and Physiological Optics, 2019, 39, 53-62.	1.0	35
127	Silent synapse: A new player in visual cortex critical period plasticity. Pharmacological Research, 2019, 141, 586-590.	3.1	7
128	Validation of dynamic random dot stereotests in pediatric vision screening. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 413-423.	1.0	13
129	Binocular treatment in adult amblyopia is based on parvocellular or magnocellular pathway. European Journal of Ophthalmology, 2020, 30, 658-667.	0.7	7
130	Delays in uptake of surgery for childhood cataract at a child eye health tertiary facility in sub-Saharan Africa. European Journal of Ophthalmology, 2020, 30, 280-283.	0.7	4

#	ARTICLE	IF	CITATIONS
131	Effect of Primary Occlusion Therapy in Asymmetric, Bilateral Amblyopia. <i>American Journal of Ophthalmology</i> , 2020, 211, 87-93.	1.7	11
132	Combined passive and active treatment in strabismic amblyopia with accommodative component. <i>Australasian journal of optometry, The</i> , 2020, 103, 885-894.	0.6	4
133	Rethinking amblyopia 2020. <i>Vision Research</i> , 2020, 176, 118-129.	0.7	75
134	A randomized clinical trial of contrast increment protocols for binocular amblyopia treatment. <i>Journal of AAPOS</i> , 2020, 24, 282.e1-282.e7.	0.2	8
135	Dichoptic Spatial Contrast Sensitivity Reflects Binocular Balance in Normal and Stereoanomalous Subjects. , 2020, 61, 23.		7
136	Using OCT Fixation Shift to Assess Eccentric Fixation in Children With Residual Amblyopia. <i>Translational Vision Science and Technology</i> , 2020, 9, 30.	1.1	2
137	Binocular reading in children following extraction of a dense congenital or infantile unilateral cataract. <i>Journal of AAPOS</i> , 2020, 24, 228.e1-228.e7.	0.2	2
138	Amblyopia Outcomes Through Clinical Trials and Practice Measurement: Room for Improvement: The LXXVII Edward Jackson Memorial Lecture. <i>American Journal of Ophthalmology</i> , 2020, 219, A1-A26.	1.7	9
139	Silent Synapse-Based Mechanisms of Critical Period Plasticity. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 213.	1.8	17
140	Factors Associated with Impaired Motor Skills in Strabismic and Anisometropic Children. , 2020, 61, 43.		26
141	Part time patching treatment outcomes in children with amblyopia with and without fusion maldevelopment nystagmus: An eye movement study. <i>PLoS ONE</i> , 2020, 15, e0237346.	1.1	9
142	Critical periods of brain development. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 173, 75-88.	1.0	22
143	Evaluation of a Virtual Reality implementation of a binocular imbalance test. <i>PLoS ONE</i> , 2020, 15, e0238047.	1.1	13
144	Anisometropic Amblyopia: Interocular Contrast and Viewing Luminance Effects on Aniseikonia. <i>Translational Vision Science and Technology</i> , 2020, 9, 11.	1.1	1
145	Two Patterns of Interocular Delay Revealed by Spontaneous Motion-in-Depth Pulfrich Phenomenon in Amblyopes with Stereopsis. , 2020, 61, 22.		10
146	Video games as rich environments to foster brain plasticity. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020, 168, 117-136.	1.0	16
147	Active Vision Therapy for Anisometropic Amblyopia in Children: A Systematic Review. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-9.	0.6	17
148	Suppression Rather Than Visual Acuity Loss Limits Stereoacuity in Amblyopia. , 2020, 61, 50.		26

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149	Enhanced Gray Matter Volume Compensates for Decreased Brain Activity in the Ocular Motor Area in Children with Anisometropic Amblyopia. <i>Neural Plasticity</i> , 2020, 2020, 1-7.	1.0	3
150	Evaluating the Acute Effect of Stereoscopic Recovery by Dichoptic Stimulation Using Electroencephalogram. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-7.	0.7	4
151	Intense versus standard regimens of intermittent occlusion therapy for unilateral moderate amblyopia in children: study protocol for a randomized controlled trial. <i>Trials</i> , 2020, 21, 361.	0.7	1
152	Quantitative analysis of macular and peripapillary microvasculature in adults with anisometropic amblyopia. <i>International Ophthalmology</i> , 2020, 40, 1765-1772.	0.6	12
153	Attention in visually typical and amblyopic children. <i>Journal of Vision</i> , 2020, 20, 11.	0.1	12
154	Psychomotor, Psychosocial and Reading Skills in Children with Amblyopia and the Effect of Different Treatments. <i>Journal of Motor Behavior</i> , 2021, 53, 176-184.	0.5	4
155	Test-retest repeatability reveals a temporal kinematic signature for an upper limb precision grasping task in adults. <i>Human Movement Science</i> , 2021, 75, 102721.	0.6	5
156	Neuroplasticity of the visual cortex: in sickness and in health. <i>Experimental Neurology</i> , 2021, 335, 113515.	2.0	31
157	Amblyopia. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 178, 13-30.	1.0	1
158	Egocentric Distance Perception Disorder in Amblyopia. <i>Psychologica Belgica</i> , 2021, 61, 173-185.	1.0	2
159	Fixational eye movements abnormalities and rate of visual acuity and stereoacuity improvement with part time patching. <i>Scientific Reports</i> , 2021, 11, 1217.	1.6	7
160	Structured Visual Learning and Stimulation in School: An Intervention Study. <i>Creative Education</i> , 2021, 12, 757-779.	0.2	4
162	Comparison between binocular therapy and patching for treatment of amblyopia: a meta-analysis of randomised controlled trials. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000625.	0.8	3
163	Repetitive visual cortex transcranial random noise stimulation in adults with amblyopia. <i>Scientific Reports</i> , 2021, 11, 3029.	1.6	13
164	Context-sensitive smart glasses monitoring wear position and activity for therapy compliance—A proof of concept. <i>PLoS ONE</i> , 2021, 16, e0247389.	1.1	4
166	Alternative Flicker Glass: a New Anti-suppression Approach to the Treatment of Anisometropic Amblyopia. <i>Ophthalmic Research</i> , 2021, 64, 967-973.	1.0	5
167	Adherence to home-based videogame treatment for amblyopia in children and adults. <i>Australasian journal of optometry</i> , The, 2021, 104, 773-779.	0.6	12
168	Binocular Enhancement of Multisensory Temporal Perception. , 2021, 62, 7.		1

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169	Evaluation of stereoacuity with a digital mobile application. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 2843-2848.	1.0	9
170	Monocular and Binocular Visual Function Deficits in Amblyopic Patients with and without Fusion Maldevelopment Nystagmus. Eye and Brain, 2021, Volume 13, 99-109.	3.8	8
171	Impact of Amblyopia on Visual Attention and Visual Search in Children. , 2021, 62, 15.		11
173	Digital therapeutic improves visual acuity and encourages high adherence in amblyopic children in open-label pilot study. Journal of AAPOS, 2021, 25, 87.e1-87.e6.	0.2	11
174	Scaffolding depth cues and perceptual learning in VR to train stereovision: a proof of concept pilot study. Scientific Reports, 2021, 11, 10129.	1.6	12
175	Dichoptic Perceptual Training in Children With Amblyopia With or Without Patching History. , 2021, 62, 4.		13
176	Outcomes of using Bangerter foils for the treatment of residual amblyopia following patching therapy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 3167-3174.	1.0	3
177	In vivo MRI evaluation of early postnatal development in normal and impaired rat eyes. Scientific Reports, 2021, 11, 15513.	1.6	2
178	Advances in Research in Binocular Vision. Journal of Optometry, 2021, 14, 227-228.	0.7	1
179	Binocular visual deficits at mid to high spatial frequency in treated amblyopes. IScience, 2021, 24, 102727.	1.9	15
181	Virtual reality prototype for binocular therapy in older children and adults with amblyopia. Journal of AAPOS, 2021, 25, 217.e1-217.e6.	0.2	10
182	Automatic ocular version evaluation in images using random forest. Expert Systems With Applications, 2021, 176, 114847.	4.4	3
183	Binocular Integration of Perceptually Suppressed Visual Information in Amblyopia. , 2021, 62, 11.		3
184	Recent Advances in Screening and Treatment for Amblyopia. Ophthalmology and Therapy, 2021, 10, 815-830.	1.0	17
185	Randomized Controlled Trial of a Dichoptic Digital Therapeutic for Amblyopia. Ophthalmology, 2022, 129, 77-85.	2.5	50
187	The Assessment of YouTube Videos as a Source of Information for Amblyopia Treatment. Journal of Pediatric Ophthalmology and Strabismus, 2021, 58, 311-318.	0.3	3
189	The impact of strabismus on psychosocial health and quality of life: a systematic review. Survey of Ophthalmology, 2021, 66, 1051-1064.	1.7	24
190	Motor Competence in Children With and Without Ambliopia. Perceptual and Motor Skills, 2021, 128, 746-765.	0.6	4

#	ARTICLE	IF	CITATIONS
193	Interocular Suppression as Revealed by Dichoptic Masking Is Orientation-Dependent and Imbalanced in Amblyopia. , 2020, 61, 28.		17
194	Assessing Binocular Interaction in Amblyopia and Its Clinical Feasibility. PLoS ONE, 2014, 9, e100156.	1.1	47
195	Alterations in audiovisual simultaneity perception in amblyopia. PLoS ONE, 2017, 12, e0179516.	1.1	13
196	Effects of Fluoxetine and Visual Experience on Glutamatergic and GABAergic Synaptic Proteins in Adult Rat Visual Cortex. ENeuro, 2015, 2, ENEURO.0126-15.2015.	0.9	20
197	Patching and Suppression in Amblyopia: One Mechanism or Two?. Frontiers in Neuroscience, 2019, 13, 1364.	1.4	16
198	Abnormal Spontaneous Brain Activity in Patients With Anisometropic Amblyopia Using Resting-State Functional Magnetic Resonance Imaging. Journal of Pediatric Ophthalmology and Strabismus, 2017, 54, 303-310.	0.3	18
199	Innovations in pediatric cataract surgery. Indian Journal of Ophthalmology, 2017, 65, 210.	0.5	30
200	Choroidal and macular thickness comparison in eyes with amblyopia. Beyoglu Eye Journal, 2021, 6, 320-327.	0.1	3
201	Recent understanding of binocular vision in the natural environment with clinical implications. Progress in Retinal and Eye Research, 2022, 88, 101014.	7.3	6
202	Amblyopia and Routine Eye Exam in Children: Parent's Perspective. Children, 2021, 8, 935.	0.6	7
203	Orienting of covert attention by neutral and emotional gaze cues appears to be unaffected by mild to moderate amblyopia. Journal of Vision, 2021, 21, 5.	0.1	2
204	Binocular Summation and Other Forms of Non-Dominant Eye Contribution in Individuals with Strabismic Amblyopia during Habitual Viewing. PLoS ONE, 2013, 8, e77871.	1.1	6
207	The Reliability of Eye Screening Physical Examination in School and Living Environment Characteristics of Young Children with Amblyopia. The Journal of the Korea Contents Association, 2014, 14, 262-270.	0.0	1
208	Binocular Single Vision and Stereopsis. , 2016, , 355-366.		2
209	Cognitive processing of orientation discrimination in anisometropic amblyopia. PLoS ONE, 2017, 12, e0186221.	1.1	6
211	Conceptualización integral de la ambliopía. Ciencia Y Tecnología Para La Salud Visual Y Ocular, 2018, 16, 91-98.	0.1	1
213	Pilot Study Evaluating the Feasibility of Comparing Computer Game Play with Close Work During Occlusion in Children Aged 2-7 Years with Amblyopia. British and Irish Orthoptic Journal, 2019, 15, 115-124.	0.1	2
215	Evaluation of retinal nerve fiber layer thickness using optical coherence tomography in unilateral anisometropic amblyopic patients. Ortadoğu Tıp Dergisi, 2019, 11, 326-332.	0.1	1

#	ARTICLE	IF	CITATIONS
217	The Long-term Visual Outcomes of Primary Congenital Glaucoma. <i>Journal of Ophthalmic and Vision Research</i> , 2020, 15, 326-330.	0.7	3
218	Using Gamification Based on Virtual Reality Mobile Platform for Treatment of Adults with Amblyopia. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 836-843.	0.5	1
219	Comparison of binocular game and patching in treating mild to moderate anisometropic amblyopia: a study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 760.	0.7	0
220	A Review of Binocular Treatment for Amblyopia. <i>European Ophthalmic Review</i> , 2020, 14, 34.	0.3	5
221	Monitoring and Statistical Evaluation of the Effect of Outpatient Pleoptic-Orthoptic Exercises. <i>Lecture Notes in Computer Science</i> , 2020, , 102-113.	1.0	0
222	To assess the accuracy of Plusoptix S12-C photoscreener in detecting amblyogenic risk factors in children aged 6 months to 6 years in remote areas of South India. <i>Indian Journal of Ophthalmology</i> , 2020, 68, 2186.	0.5	7
223	A review of the treatment of anisometropic amblyopia in adults using dichoptic therapy. <i>African Vision and Eye Health</i> , 2020, 79, .	0.1	1
224	Comparison of a New, Filter-Free Stereopsis Test (BEST) With the Randot Stereotest in a Pediatric Cohort. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2020, 57, 129-135.	0.3	2
225	Exploring the effects of degraded vision on sensorimotor performance. <i>PLoS ONE</i> , 2021, 16, e0258678.	1.1	1
227	Method of Functional Treatment of Refractive Amblyopia in Children Using Alternating Presentation of Stereo Stimules. <i>Oftalmologiya</i> , 2020, 17, 429-434.	0.2	0
228	Video Game Use in the Treatment of Amblyopia: Weighing the Risks of Addiction. <i>Yale Journal of Biology and Medicine</i> , 2015, 88, 309-17.	0.2	2
229	Sensitivity and Specificity of Preschool Vision Screening in Iran. <i>Iranian Journal of Public Health</i> , 2017, 46, 207-215.	0.3	8
230	Strabismus in Bronzino's paintings: a hallmark of a realistic painter?. <i>Acta Biomedica</i> , 2019, 89, 564-568.	0.2	0
231	Associations of Eye-Related Quality of Life With Vision, Visuomotor Function, and Self-Perception in Children With Strabismus and Anisometropia. , 2020, 61, 22.		2
232	A Practical Guide to Sparse k-Means Clustering for Studying Molecular Development of the Human Brain. <i>Frontiers in Neuroscience</i> , 2021, 15, 668293.	1.4	1
233	Stereoacuity after Successful Occlusion Therapy in Children with Anisometropic Amblyopia. <i>Journal of Korean Ophthalmological Society</i> , 2021, 62, 1539-1546.	0.0	0
234	Awareness in the general population about binocular single vision and its importance. <i>MGM Journal of Medical Sciences</i> , 2021, 8, 370.	0.1	0
236	Efficacy of vision therapy for unilateral refractive amblyopia in children aged 7â€“10â‰¥years. <i>BMC Ophthalmology</i> , 2022, 22, 44.	0.6	7

#	ARTICLE	IF	CITATIONS
237	Contrast Sensitivity and Stereoacuity in Successfully Treated Refractive Amblyopia. , 2022, 63, 6.		15
238	Binocular versus standard occlusion or blurring treatment for unilateral amblyopia in children aged three to eight years. The Cochrane Library, 2022, 2022, CD011347.	1.5	5
239	Restoration of Cone Sensitivity to Individuals with Congenital Photoreceptor Blindness within the Phase 1/2 Sepofarsen Trial. Ophthalmology Science, 2022, 2, 100133.	1.0	5
240	The role of retinotopic cues in deciphering the direction and magnitude of monocular dynamic ocular accommodation: A review. Vision Research, 2022, 196, 108026.	0.7	1
241	A Detection of Amblyopia Medical Condition in Biomedical Datasets Using Image Segmentation and Detection Processing. Journal of Medical Imaging and Health Informatics, 2021, 11, 2814-2821.	0.2	0
242	Balanced, Orientation-Dependent Dichoptic Masking in Cortex of Visually Normal Humans Measured Using Electroencephalography (EEG). , 2021, 2021, 5901-5904.		1
243	Reach Kinematics During Binocular Viewing in 7- to 12-Year-Old Children With Strabismus. , 2021, 62, 21.		4
245	Evaluating visuomotor coordination in children with amblyopia. Developmental Psychobiology, 2022, 64, e22270.	0.9	5
248	Scope of neuroimaging in amblyopia. , 2022, 16, 1.		0
249	Measuring aniseikonia and investigating neuroplasticity and image factors in amblyopia (MAGNIFY): study protocol for a randomised clinical trial. Trials, 2022, 23, 358.	0.7	0
250	Psychophysical Reverse Correlation Revealed Broader Orientation Tuning and Prolonged Reaction Time in Amblyopia. , 2022, 63, 3.		2
251	A randomized study of network-based perception learning in the treatment of amblyopia children. International Journal of Ophthalmology, 2022, 15, 800-806.	0.5	3
252	Increased saccadic latency in Amblyopia: Oculomotor and attentional factors. Vision Research, 2022, 197, 108059.	0.7	3
253	Visual acuity increase in meridional amblyopia by exercises with moving gratings as compared to stationary gratings. Strabismus, 2022, 30, 99-110.	0.4	2
254	Reasons why we might want to question the use of patching to treat amblyopia as well as the reliance on visual acuity as the primary outcome measure. BMJ Open Ophthalmology, 2022, 7, e000914.	0.8	12
255	Toward using effective elements in adults's™ amblyopia treatment in a virtual reality-based gamified binocular application. Entertainment Computing, 2022, 43, 100504.	1.8	4
256	Study protocol for a randomized controlled trial of the NEIVATECH virtual reality system to improve visual function in children with anisometropic amblyopia. BMC Ophthalmology, 2022, 22, .	0.6	6
257	Computationally augmenting traditional embroidery practices: an autobiographical design process with first-person patient experience for amblyopia follow up treatment activity. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
258	Monitoring of wearing and occlusion times with smart shutter glassesâ€”A proof of concept. PLoS ONE, 2022, 17, e0270361.	1.1	1
259	Fixation instability, astigmatism, and lack of stereopsis as factors impeding recovery of binocular balance in amblyopia following binocular therapy. Scientific Reports, 2022, 12, .	1.6	4
260	Dichoptic and Monocular Visual Acuity in Amblyopia. American Journal of Ophthalmology, 2022, 242, 209-214.	1.7	2
261	Modulation of mean luminance improves binocular balance across spatial frequencies in amblyopia. IScience, 2022, 25, 104598.	1.9	4
262	The Orientation Selectivity of Dichoptic Masking Suppression is Contrast Dependent in Amblyopia. , 2022, 63, 9.		2
263	Translating and evaluating the Chinese version of Pediatric Eye Questionnaire (PedEyeQ-CN) for children. Eye, 0, , .	1.1	1
264	Issues Revisited: Shifts in Binocular Balance Depend on the Deprivation Duration in Normal and Amblyopic Adults. Ophthalmology and Therapy, 2022, 11, 2027-2044.	1.0	6
265	Analysis of retinal microvasculature features in amblyopic eyes: A meta-analysis. Ophthalmic Research, 0, , .	1.0	1
266	Regaining posture after active vision therapy in a case of adult anisometropic amblyopia with postural instability. Australasian journal of optometry, The, 2023, 106, 686-689.	0.6	2
267	Profile of Amblyopia Among Children Aged from 5 to 15 Years at Hawassa University Comprehensive Specialized Hospital Pediatric Eye Clinic, South Ethiopia, 2020/21. Clinical Optometry, 0, Volume 14, 149-157.	0.4	0
268	Treatment compliance in amblyopia: A mini-review and description of a novel online platform for compliance tracking. Survey of Ophthalmology, 2022, 67, 1685-1697.	1.7	5
269	Amblyopia and fixation eye movements. Journal of the Neurological Sciences, 2022, 441, 120373.	0.3	9
270	Prevalence of ocular morbidity in preschool children in Pune, Maharashtra. Journal of Clinical Ophthalmology and Research, 2022, 10, 63.	0.1	0
271	The Study of Short-Term Plastic Visual Perceptual Training Based on Virtual and Augmented Reality Technology in Amblyopia. Journal of Ophthalmology, 2022, 2022, 1-7.	0.6	4
272	Bifocal use in hyperopic anisometropic amblyopia treated with atropine: a proof-of-concept randomized trial. Eye, 0, , .	1.1	0
273	A Social Media Listening Study to Understand the Unmet Needs and Quality of Life in Adult and Pediatric Amblyopia Patients. Ophthalmology and Therapy, 2022, 11, 2183-2196.	1.0	4
274	Visual cortical Î³-aminobutyric acid and perceptual suppression in amblyopia. Frontiers in Human Neuroscience, 0, 16, .	1.0	5
275	Metaplasticity: a key to visual recovery from amblyopia in adulthood?. Current Opinion in Ophthalmology, 2022, 33, 512-518.	1.3	5

#	ARTICLE	IF	CITATIONS
276	Adverse Influences of Nonstrabismic Amblyopia on Quality of Life of Teenagers in China. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-6.	0.7	3
277	The shift in sensory eye dominance from short-term monocular deprivation exhibits no dependence on test spatial frequency. Eye and Vision (London, England), 2022, 9, .	1.4	0
279	Quantitative assessment of eye movements using a binocular paradigm: comparison among amblyopic, recovered amblyopic and normal children. BMC Ophthalmology, 2022, 22, .	0.6	2
280	The epidemiology of strabismus and cataracts within a pediatric population in Saint Vincent and the Grenadines: an analysis of 201 consecutive cases. Journal of AAPOS, 2022, 26, e48.	0.2	0
282	Differences in the Visual Performances of Patients with Strabismus, Amblyopia, and Healthy Controls. Bioengineering, 2022, 9, 626.	1.6	1
284	Temporal Eye-Hand Coordination During Visually Guided Reaching in 7- to 12-Year-Old Children With Strabismus. , 2022, 63, 10.		1
285	Defects and asymmetries in the visual pathway of non-human primates with natural strabismus and amblyopia. Zoological Research, 2023, 44, 153-168.	0.9	1
286	Vision Therapy: A Primer and Caution for Pediatricians. Children, 2022, 9, 1873.	0.6	1
287	Binocular amblyopia treatment improves manual dexterity. Journal of AAPOS, 2023, 27, 18.e1-18.e6.	0.2	2
288	The role of binocular vision in the control and development of visually guided upper limb movements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	1.8	2
289	Applications and implications for extended reality to improve binocular vision and stereopsis. Journal of Vision, 2023, 23, 14.	0.1	7
290	Slow Binocular Reading in Amblyopic Children is a Fellow Eye Deficit. Optometry and Vision Science, 0, Publish Ahead of Print, .	0.6	1
291	Low frequency repetitive transcranial magnetic stimulation promotes plasticity of the visual cortex in adult amblyopic rats. Frontiers in Neuroscience, 0, 17, .	1.4	1
292	Awareness, Advocacy, and the Volunteer Sector. , 2022, , 351-359.		0
293	Amblyopia: A review of unmet needs, current treatment options, and emerging therapies. Survey of Ophthalmology, 2023, 68, 507-525.	1.7	5
294	Amblyopia and the whole child. Progress in Retinal and Eye Research, 2023, 93, 101168.	7.3	4
295	Rapid Alternate Flicker Modulates Binocular Interaction in Adults With Abnormal Binocular Vision. , 2023, 64, 15.		1
296	Retrobulbar Blood Flow Parameters in Patients With Anisometropic Amblyopia. Cureus, 2023, , .	0.2	0

#	ARTICLE	IF	CITATIONS
297	Microvasculature evaluation of anisometropic amblyopia children by Angio-OCT. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
298	Effectiveness of binocular therapy as a complementary treatment of part-time patching in older amblyopic children: a randomized clinical trial. <i>International Ophthalmology</i> , 2023, 43, 2433-2445.	0.6	1
299	Clinical Characteristics and Risk Factors of Patients with Pediatric Amblyopia. <i>NamÄ±k Kemal TÄ±p Dergisi</i> , 2023, 11, 42-47.	0.0	0
300	A systematic review: Virtual-reality-based techniques for human exercises and health improvement. <i>Frontiers in Public Health</i> , 0, 11, .	1.3	7
301	Analysis of risk factors associated with the high incidence of amblyopia in preterm infants at the corrected gestational age of 12 months. <i>BMC Pediatrics</i> , 2023, 23, .	0.7	0
302	Orbital Foraminal Morphometrics in Nonsyndromic Unilateral Coronal Craniosynostosis. <i>Annals of Plastic Surgery</i> , 2023, 90, S677-S680.	0.5	1
303	Analysis of stereopsis and fusion in school-aged children with reduced visual acuity due to refractive error. <i>PLoS ONE</i> , 2023, 18, e0284112.	1.1	1
304	Enriched binocular experience followed by sleep optimally restores binocular visual cortical responses in a mouse model of amblyopia. <i>Communications Biology</i> , 2023, 6, .	2.0	1
305	Quantitative evaluation of anisometropic amblyopia treatment efficacy by coupling multiple visual functions via CRITIC algorithm. <i>BMC Ophthalmology</i> , 2023, 23, .	0.6	1
306	Characteristics and differences of strabismus surgeries performed in private versus public settings: a national multicenter study. <i>International Ophthalmology</i> , 2023, 43, 3247-3255.	0.6	1
324	Ocular dominance in cataract surgery: research status and progress. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 0, , .	1.0	1