Computer Vision Syndrome: A widely spreading but largely unknown epidemic among computer users

Citation Report

#	Article	IF	Citations
1	Principles for the wise use of computers by children. Ergonomics, 2009, 52, 1386-1401.	1.1	78
2	Identification of Anthocyanin Components of Wild Chinese Blueberries and Amelioration of Light-Induced Retinal Damage in Pigmented Rabbit Using Whole Berries. Journal of Agricultural and Food Chemistry, 2011, 59, 356-363.	2.4	48
3	Accommodative and convergence response to computer screen and printed text. Proceedings of SPIE, 2011, , .	0.8	0
4	EyeGuardian. , 2012, , .		30
5	Ophthalmological factors influencing visual asthenopia as a result of viewing 3D displays. British Journal of Ophthalmology, 2012, 96, 1391-1394.	2.1	35
6	Blueberry anthocyanins: protection against ageing and light-induced damage in retinal pigment epithelial cells. British Journal of Nutrition, 2012, 108, 16-27.	1.2	62
7	The Project ThermalMapper â€" Thermal 3D Mapping of Indoor Environments for Saving Energy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 31-38.	0.4	26
8	Increasing the precision of reconstructed 3D model of indoor robot environment by elimination of problematic points1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 594-598.	0.4	2
9	Technology acceleration and corporate ergonomic policy. International Journal of Business Continuity and Risk Management, 2012, 3, 136.	0.2	1
10	Sustainable information practice: An ethnographic investigation. Journal of the Association for Information Science and Technology, 2012, 63, 2254-2268.	2.6	25
11	Applying artificial intelligence to the educational data. , 2012, , .		11
12	Do teachers believe they are competent to promote healthy ICT use among their students?. Work, 2012, 41, 869-875.	0.6	3
13	Reading linear texts on paper versus computer screen: Effects on reading comprehension. International Journal of Educational Research, 2013, 58, 61-68.	1.2	453
14	Effects of visually demanding near work on trapezius muscle activity. Journal of Electromyography and Kinesiology, 2013, 23, 1190-1198.	0.7	33
15	Prevalence of Psychosomatic Symptoms among Adolescent's Computer Users. Procedia, Social and Behavioral Sciences, 2013, 84, 1326-1332.	0.5	2
16	Differences in children and adolescents' ability of reporting two CVS-related visual problems. Ergonomics, 2013, 56, 1546-1557.	1.1	5
17	Description and Validation of a Test to Evaluate Sustained Silent Reading. , 2013, 54, 673.		50
18	Green buildings need good ergonomics. Ergonomics, 2013, 56, 492-506.	1.1	38

#	ARTICLE	IF	CITATIONS
19	An ergonomics training program for student notebook computer users: Preliminary outcomes of a six-year cohort study. Work, 2013, 44, 221-230.	0.6	11
20	Work-Related Health Disorders among Saudi Computer Users. Scientific World Journal, The, 2014, 2014, 1-27.	0.8	17
21	Stimulating a blink. , 2014, , .		20
22	An intelligent fatigue health monitoring system based on computer with mouse. , 2014, , .		1
23	Characteristics of visual disturbances reported by subjects with neck pain. Manual Therapy, 2014, 19, 203-207.	1.6	46
24	Docosahexaenoic acid aggravates photooxidative damage in retinal pigment epithelial cells via lipid peroxidation. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 85-93.	1.7	30
25	Information Technologies in Biomedicine, Volume 4. Advances in Intelligent Systems and Computing, 2014, , .	0.5	0
26	Take a Screen-Free Day!. Journal of the American College of Radiology, 2014, 11, 1017-1018.	0.9	0
27	MEME. , 2015, , .		12
28	Computer vision syndrome: A review. Work, 2015, 52, 303-314.	0.6	143
29	Field observations of display placement requirements and character size for presbyopic and prepresbyopic computer users. Work, 2015, 52, 329-342.	0.6	7
30	MEME. , 2015, , .		3
31	Towards wearable active humidifier for dry eyes. , 2015, , .		1
32	How Blink Anomalies Can Contribute to Post-LASIK Neurotrophic Epitheliopathy. Optometry and Vision Science, 2015, 92, e241-e247.	0.6	7
34	The evaluation of visuospatial performance between screen and paper. Displays, 2015, 39, 26-32.	2.0	5
35	Subjective responses to display bezel characteristics. Applied Ergonomics, 2015, 47, 253-258.	1.7	1
36	Visual discomfort among university students who use CAD workstations. Work, 2016, 55, 171-180.	0.6	20
37	The role of health educators in mitigating health risk from increasing screen time in schools and at home. Asia-Pacific Journal of Health, Sport and Physical Education, 2016, 7, 157-172.	1.0	4

#	ARTICLE	IF	CITATIONS
38	â€˜Bring Your Own Deviceâ€™: Considering potential risks to student health. Health Education Journal, 2016, 75, 464-473.	0.6	7
39	Visual ergonomics of video-display-terminal workstations: Field measurements of luminance for various display settings. Displays, 2016, 42, 9-18.	2.0	26
40	Computer vision syndrome among computer office workers in a developing country: an evaluation of prevalence and risk factors. BMC Research Notes, 2016, 9, 150.	0.6	177
41	Protective Effect of Fucoxanthin Isolated from <i>Laminaria japonica</i> against Visible Light-Induced Retinal Damage Both in Vitro and in Vivo. Journal of Agricultural and Food Chemistry, 2016, 64, 416-424.	2.4	41
42	DualBlink. , 2017, 1, 1-19.		49
43	Effects of display curvature, display zone, and task duration on legibility and visual fatigue during visual search task. Applied Ergonomics, 2017, 60, 183-193.	1.7	27
44	Eye-tracking on smartphones using regression-based prediction. , 2017, , .		1
45	Video Game Vision Syndrome: A New Clinical Picture in Children?. Journal of Pediatric Ophthalmology and Strabismus, 2017, 54, 346-355.	0.3	31
46	Lighting assessment of ergonomic workstation for radio diagnostic reporting. International Journal of Industrial Ergonomics, 2017, 57, 42-54.	1.5	21
47	Hoya EyegeniusÂ®: New Method for Measuring and Correcting Fixation Disparity. Proceedings of the Latvian Academy of Sciences, 2017, 71, 392-396.	0.0	0
48	Health and well-being in indoor work environments: a review of literature. , 2017, , .		10
49	Ergophthalmology in accounting offices: the computer vision syndrome (CVS). Revista Brasileira De Oftalmologia, 2017, 76, .	0.1	4
50	Industrial Engineering in the Industry 4.0 Era. Lecture Notes in Management and Industrial Engineering, 2018, , .	0.3	3
51	An Eye Blink Detection System for Dry Eye Syndrome and Its Performance Model. Advances in Intelligent Systems and Computing, 2018, , 475-484.	0.5	0
52	Towards a Wearable Assistant to Prevent Computer Vision Syndrome. , 2018, , .		1
53	Presbyopic Personal Computer Work: A Comparison of Progressive Addition Lenses for General Purpose and Personal Computer Work. Optometry and Vision Science, 2018, 95, 1046-1053.	0.6	11
54	Improvement of the System for Measuring VDT Working Hours Using a Webcam. , 2018, , .		0
55	Computer Vision Syndrome and Associated Factors among Computer Users in Debre Tabor Town, Northwest Ethiopia. Journal of Environmental and Public Health, 2018, 2018, 1-8.	0.4	56

#	ARTICLE	IF	CITATIONS
56	Impact of near work on perceived stress according to working hours: The Korea National Health and Nutrition Examination Survey VI (2013â€"2015). PLoS ONE, 2018, 13, e0204360.	1.1	3
57	Successful Aging among Older Adults Using Computers: a Systematic Review. International Journal of Engineering and Technology(UAE), 2018, 7, 50.	0.2	3
58	A Study of Primary School Teachersâ€™ and Turkish Language Teachersâ€™ Anxiety about Tablet PC Assisted Teaching. International Education Studies, 2018, 11, 66.	0.3	4
59	Efficient Eye-Blinking Detection on Smartphones: A Hybrid Approach Based on Deep Learning. Mobile Information Systems, 2018, 2018, 1-8.	0.4	11
60	Neck posture monitoring system based on image detection and smartphone sensors using the prolonged usage classification concept. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1501-1510.	0.8	22
61	Reckoning number of eye blinks using eye facet correlation for exigency detection. Journal of Intelligent and Fuzzy Systems, 2018, 35, 5279-5286.	0.8	6
62	Automatically Adjusting Computer Screen. , 2019, , .		2
63	Optimizing Ergonomics in Breast Imaging. Journal of Breast Imaging, 2019, 1, 234-238.	0.5	3
64	Tiger. , 2019, , .		4
65	Prediction of Computer Vision Syndrome in Health Personnel by Means of Genetic Algorithms and Binary Regression Trees. Sensors, 2019, 19, 2800.	2.1	21
66	Computer vision symptoms in people with and without neck pain. Applied Ergonomics, 2019, 80, 50-56.	1.7	18
67	Comparing Comprehension of a Long Text Read in Print Book and on Kindle: Where in the Text and When in the Story?. Frontiers in Psychology, 2019, 10, 38.	1.1	58
68	An Eye-tracking based Evaluation on the Effect of Far-infrared Therapy for Relieving Visual Fatigue. , 2019, 2019, 313-316.		4
69	Effect of Two Common Head-Mounted Augmented Reality Systems on Muscle Force and Blink Rate of Electric Utility Power Plant Operators. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1132-1136.	0.2	1
70	Do Head-Mounted Augmented Reality Devices Affect Muscle Activity and Eye Strain of Utility Workers Who Do Procedural Work? Studies of Operators and Manhole Workers. Human Factors, 2022, 64, 305-323.	2.1	10
71	Unexpectedly high prevalence of asthenopia in Australian school children identified by the CISS survey tool. BMC Ophthalmology, 2020, 20, 408.	0.6	8
72	<p>Computer Vision Syndrome and Associated Factors Among Secretaries Working in Ministry Offices in Addis Ababa, Ethiopia</p>. Clinical Optometry, 2020, Volume 12, 213-222.	0.4	19
73	Multimodal human eye blink recognition method using feature level fusion for exigency detection. Soft Computing, 2020, 24, 16829-16845.	2.1	11

#	Article	IF	Citations
74	Association between Poor Ergophthalmologic Practices and Computer Vision Syndrome among University Administrative Staff in Ghana. Journal of Environmental and Public Health, 2020, 2020, 1-8.	0.4	20
75	Introducing a novel in vivo method to access visual performance during dewetting process of contact lens surface. Contact Lens and Anterior Eye, 2020, 43, 359-365.	0.8	7
77	Health and wellness in commercial buildings: Systematic review of sustainable building rating systems and alignment with contemporary research. Building and Environment, 2020, 171, 106635.	3.0	69
78	An Extensive Collection of Evaluation Indicators to Assess Occupants' Health and Comfort in Indoor Environment. Atmosphere, 2020, 11, 90.	1.0	40
79	Computer vision syndrome prevalence according to individual and video display terminal exposure characteristics in Spanish university students. International Journal of Clinical Practice, 2021, 75, e13681.	0.8	26
80	Impact of the use of digital devices on eyes during the lockdown period of COVID-19 pandemic. Indian Journal of Ophthalmology, 2021, 69, 1901.	0.5	29
82	Design Guidelines of a Computer-Based Intervention for Computer Vision Syndrome: Focus Group Study and Real-World Deployment. Journal of Medical Internet Research, 2021, 23, e22099.	2.1	8
83	Computer vision syndrome and its associated ergonomic factors among bank workers. International Journal of Occupational Safety and Ergonomics, 2022, 28, 1219-1226.	1.1	16
84	Fatigue Detection on Face Image Using FaceNet Algorithm and K-Nearest Neighbor Classifier. Journal of Information Systems Engineering and Business Intelligence, 2021, 7, 22.	0.6	10
85	Face Fatigue Detection Method Based on MTCNN and Machine Vision. Advances in Intelligent Systems and Computing, 2020, , 233-240.	0.5	8
87	Toxicological Effects of Generated Radiations on the Eye among Computer Users. The Egyptian Journal of Hospital Medicine, 2015, 61, 631-642.	0.0	1
88	Looking at reality versus watching screens: Media professionalization effects on the spontaneous eyeblink rate. PLoS ONE, 2017, 12, e0176030.	1.1	14
89	Computer Vision Syndrome among Call Center Employees at Telecommunication Company in Bandung. Althea Medical Journal, 2016, 3, 181-185.	0.1	1
90	Refractive Errors in School-age Children in Qazvin, Iran. Biotechnology and Health Sciences, 2014, 1, .	0.3	7
91	Computer vision syndrome and associated factors among medical and engineering students in Chennai. Annals of Medical and Health Sciences Research, 2014, 4, 179.	0.8	120
93	Computer Vision Syndrome among Internet Users. , 2012, , 782-798.		1
94	Measurement of Working Hours in VDT Work using a Webcam. , 2014, , .		1
95	Assessing Computer Vision Syndrome Risk for Pilots. Journal of Aviation/Aerospace Education & Research, 0, , .	0.0	0

#	ARTICLE	IF	CITATIONS
96	Tension Headaches: An Investigation into Their Causes from a Naturopathic Perspective. Biofeedback, 2016, 44, 4-14.	0.3	0
97	Computer Vision Syndrome: Prevalence And Predictors Among College Staff And Students. IOSR Journal of Dental and Medical Sciences, 2016, 15, 28-31.	0.0	1
98	Impact of Traditional Education and Tablet-Assisted Education on Students: A Comparative Analysis. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	0.7	3
99	Physical Discomfort Experienced in Traditional Education and Tablet-Assisted Education: A Comparative Literature Analysis. Lecture Notes in Management and Industrial Engineering, 2018, , 83-90.	0.3	0
100	The aspects of destructive influence of technical means and technologies of telecommunications on the person and society as a whole. , 2019, , .		1
101	Pathophysiologic Mechanisms of Computer Vision Syndrome and its Prevention: Review. World Journal of Ophthalmology & Vision Research, 2019, 2, .	0.1	3
102	Effect of Head-Mounted Augmented Reality Devices on Electric Utility Manhole Workers: Neck Muscle Activity and Eye Blink Rate. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 2097-2101.	0.2	0
103	Computer Vision Syndrome among Computer Operators Working at a Tertiary Care Hospital - A Study of Prevalence, Knowledge, Ergonomics and Other Associated Factors. Journal of Evolution of Medical and Dental Sciences, 2020, 9, 3856-3861.	0.1	2
104	Impact of an educational intervention using the 20/20/20 rule on Computer Vision Syndrome. African Vision and Eye Health, 2020, 79, .	0.1	6
105	Binocular vision findings in normally-sighted school aged children who used digital devices. PLoS ONE, 2022, 17, e0266068.	1.1	2
106	Posture Feedback System with Wearable Speaker. , 2021, 2021, 7007-7010.		1
107	Cost Effective Real-time System for cognitive computing using Personalized Eye Blink Detection from Camera. , 2021, 2021, 4990-4993.		2
108	Eye Blinking Detection Test. , 2021, , .		0
110	COMPUTER VISION SYNDROME SURVEY: A STUDY OF OCCULAR PROBLEMS AMONGST DIGITAL DEVICE USERS:. , 2022, , 61-67.		0
111	Improving Office Workersâ€™ Workspace Using a Self-adjusting Computer Screen. ACM Transactions on Interactive Intelligent Systems, 2022, 12, 1-32.	2.6	1
112	A Pre-Experimental Study to assess the knowledge regarding Computer Vision Syndrome among Bhaskar Degree College Students, Udhampur. International Journal of Advances in Nursing Management, 2022, , 177-181.	0.0	0
113	The impact of the COVID-19 pandemic on the prevalence of computer vision syndrome among medical students in Riyadh, Saudi Arabia. International Ophthalmology, 2023, 43, 1275-1283.	0.6	3
114	Binocular vision: Correcting disparity. The Optician, 2017, 2017, 151747-1.	0.0	0

#	Article	IF	Citations
115	Analisis Faktor Individu dan Lingkungan terhadap Keluhan Computer Vision Syndrome pada Karyawan Bagian Central Control Room PT. X Jepara. , 2014, 2, 28-34.		0
116	Eye problems and musculoskeletal pain in PokÃ©mon Go players. Scientific Reports, 2022, 12, .	1.6	1
117	Prevalence of Computer Vision Syndrome among School-Age Children during the COVID-19 Pandemic, Saudi Arabia: A Cross-Sectional Survey. Children, 2022, 9, 1718.	0.6	7
118	Screen exposure time and computer vision syndrome in school-age children during COVID-19 era: A cross-sectional study. Journal of Clinical Ophthalmology and Research, 2022, 10, 105.	0.1	1
119	Prevalence and risk factors of computer vision syndromeâ€"assessed in office workers by a validated questionnaire. PeerJ, 0, 11, e14937.	0.9	2
120	Online Learning during Pandemic: A Study on Computer Vision Syndrome in Malaysian University Students. GATR Journal of Management and Marketing Review, 2023, 8, 28-36.	0.1	0
129	SmartGuard Drive: A Comprehensive IoT System for Automated Driver Drowsiness Detection. , 2023, , .		0
130	Optimizing Interface andÂInteraction Design forÂNon-immersive VR Firefighting Games: A User Experience Approach. Lecture Notes in Computer Science, 2024, , 344-352.	1.0	0