

David M Hoffman

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,250
citations

840776

11
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Vergence-accommodation conflicts hinder visual performance and cause visual fatigue. <i>Journal of Vision</i> , 2008, 8, 33.	0.3	1,201
2	The zone of comfort: Predicting visual discomfort with stereo displays. <i>Journal of Vision</i> , 2011, 11, 11-11.	0.3	472
3	High-speed switchable lens enables the development of a volumetric stereoscopic display. <i>Optics Express</i> , 2009, 17, 15716.	3.4	233
4	Visual discomfort with stereo displays: effects of viewing distance and direction of vergence-accommodation conflict. <i>Proceedings of SPIE</i> , 2011, 7863, 78630P1-78630P9.	0.8	58
5	Temporal presentation protocols in stereoscopic displays: Flicker visibility, perceived motion, and perceived depth. <i>Journal of the Society for Information Display</i> , 2011, 19, 271-297.	2.1	53
6	3D Displays. <i>Annual Review of Vision Science</i> , 2016, 2, 397-435.	4.4	47
7	Focus information is used to interpret binocular images. <i>Journal of Vision</i> , 2010, 10, 13-13.	0.3	36
8	The importance of native panel contrast and local dimming density on perceived image quality of high dynamic range displays. <i>Journal of the Society for Information Display</i> , 2016, 24, 216-228.	2.1	28
9	A new standard method of subjective assessment of barely visible image artifacts and a new public database. <i>Journal of the Society for Information Display</i> , 2014, 22, 631-643.	2.1	26
10	A perceptual eyebox for near-eye displays. <i>Optics Express</i> , 2020, 28, 38008.	3.4	17
11	240-Hz OLED technology properties that can enable improved image quality. <i>Journal of the Society for Information Display</i> , 2014, 22, 346-356.	2.1	13
12	75 th Invited Paper: Large Scale Subjective Evaluation of Display Stream Compression. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 1101-1104.	0.3	11
13	Limits of peripheral acuity and implications for VR system design. <i>Journal of the Society for Information Display</i> , 2018, 26, 483-495.	2.1	11
14	Motion artifacts on 240-Hz OLED stereoscopic 3D displays. <i>Journal of the Society for Information Display</i> , 2014, 22, 393-403.	2.1	8
15	Aligning content rendering resolution and feature size with display capability in near-eye display systems. <i>Journal of the Society for Information Display</i> , 2019, 27, 207-222.	2.1	6
16	Temporal Requirements for VR Displays to Create a More Comfortable and Immersive Visual Experience. <i>Information Display</i> , 2019, 35, 9-39.	0.2	6
17	Temporal presentation protocols in stereoscopic displays: Flicker visibility, perceived motion, and perceived depth. <i>Journal of the Society for Information Display</i> , 2011, 19, 255.	2.1	5
18	Consequences of Incorrect Focus Cues in Stereo Displays. <i>Journal of the Society for Information Display</i> , 2008, 24, 7.	2.1	4

#	ARTICLE	IF	CITATIONS
19	44.4: <i>Invited Paper</i>: A Novel Stereo Display that Presents Nearly Correct Focus Cues. Digest of Technical Papers SID International Symposium, 2010, 41, 665-668.	0.3	3
20	Effect of latency on simulator sickness in smartphone virtual reality. Journal of the Society for Information Display, 2021, 29, 561-572.	2.1	3
21	Stereo display with time-multiplexed focal adjustment. , 2009, 7237, 7237OR.		2
22	59-2:<i>Distinguished Paper</i>: The Role of Local Dimming Density, Native Panel Contrast, and Glare Sources in the Visual Quality of HDR Displays. Digest of Technical Papers SID International Symposium, 2016, 47, 802-805.	0.3	2
23	Efficacy of global dimming backlight and highâ€contrast liquid crystal panel for highâ€dynamicâ€range displays. Journal of the Society for Information Display, 2017, 25, 283-294.	2.1	2
24	81â€2: Visual Quality of Global Dimming Backlight with High Contrast Liquid Crystal Panel for High Dynamic Range Displays. Digest of Technical Papers SID International Symposium, 2017, 48, 1184-1187.	0.3	2
25	55.1: <i>Distinguished Paper</i>: Motion Artifacts on 240Hz OLED Stereoscopic 3D Displays. Digest of Technical Papers SID International Symposium, 2014, 45, 797-800.	0.3	1
26	31â€1: Distinguished Paper: Measurement and Categorization of Alternate Subpixel Layout Nearâ€Eye Display Systems. Digest of Technical Papers SID International Symposium, 2019, 50, 426-429.	0.3	0