Weitao Song

List of Publications by Year
in descending order

		1163117	752698
27 papers	516 citations	8 h-index	20 g-index
27 all docs	27 docs citations	27 times ranked	376 citing authors

#	Article	IF	Citations
1	Design of an ultra-thin near-eye display with geometrical waveguide and freeform optics. Optics Express, 2014, 22, 20705.	3.4	132
2	Ultra‐Robust and Extensible Fibrous Mechanical Sensors for Wearable Smart Healthcare. Advanced Materials, 2022, 34, e2107511.	21.0	83
3	A bioinspired analogous nerve towards artificial intelligence. Nature Communications, 2020, 11, 268.	12.8	80
4	Directly printed wearable electronic sensing textiles towards human–machine interfaces. Journal of Materials Chemistry C, 2018, 6, 12841-12848.	5.5	54
5	An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. Advanced Functional Materials, 2021, 31, 2101107.	14.9	46
6	Full-color retinal-projection near-eye display using a multiplexing-encoding holographic method. Optics Express, 2021, 29, 8098.	3.4	28
7	Large‐Scale Huygens' Metasurfaces for Holographic 3D Near‐Eye Displays. Laser and Photonics Reviews, 2021, 15, 2000538.	8.7	23
8	Design and assessment of a wide FOV and high-resolution optical tiled head-mounted display. Applied Optics, 2015, 54, E15.	2.1	14
9	A spatio-temporal multiplexing multi-view display using a lenticular lens and a beam steering screen. Optics Communications, 2018, 420, 168-173.	2.1	8
10	Cryptanalysis of phase information based on a double random-phase encryption method. Optics Communications, 2021, 497, 127172.	2.1	7
11	26.3: Volumetric Display System Using Multiple Mini‐Projectors. Digest of Technical Papers SID International Symposium, 2013, 44, 318-321.	0.3	6
12	Design of a near-eye display measurement system using an anthropomorphic vision imaging method. Optics Express, 2021, 29, 13204.	3.4	6
13	Design of 3D Microgestures for Commands in Virtual Reality or Augmented Reality. Applied Sciences (Switzerland), 2021, 11, 6375.	2.5	6
14	Design of a dual focal-plane near-eye display using diffractive waveguides and multiple lenses. Applied Optics, 2022, 61, 5844.	1.8	5
15	Design of a miniature anamorphic lens with a freeform front group and an aspheric rear group. Optical Engineering, 2021, 60, .	1.0	4
16	Resolution enhancement of near-eye displays by overlapping images. Optics Communications, 2020, 458, 124723.	2.1	3
17	Three-dimensional reconstruction for photon counting imaging using a planar catadioptric method. , 2017, , .		2
18	Latent fingerprint residue detection method using Sagnac Fourier transform imaging spectroscopy. Applied Optics, 2021, 60, 5534.	1.8	2

#	Article	IF	Citations
19	Three-dimensional image authentication with double random phase encryption in one capture. Applied Optics, 2022, 61, D92.	1.8	2
20	Design and implementation of an optical see-through near-eye display combining Maxwellian-view and light-field methods. Optics Communications, 2022, 510, 127833.	2.1	2
21	Pâ€36: Design of Simulation Tools for Lightâ€field Nearâ€eye Displays with a Pinhole Array. Digest of Technical Papers SID International Symposium, 2019, 50, 1370-1373.	0.3	1
22	Study of 3D Target Replacement in AR Based On Target Tracking. , 2019, , .		1
23	Design of a linear-field-of-view oblique imaging system with a low distortion. Applied Optics, 0, , .	1.8	1
24	5.2: Design of Simulation Tools for Lightâ€field Nearâ€eye Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 50-51.	0.3	0
25	56.2: Invited Paper: Breaking Resolution/Fieldâ€ofâ€view Invariant in Nearâ€eye Displays using Multiple Display Panels. Digest of Technical Papers SID International Symposium, 2021, 52, 410-411.	0.3	0
26	42.1: Invited Paper: Design Considerations for Nearâ€eye Displays using a Holographic Display Method. Digest of Technical Papers SID International Symposium, 2021, 52, 520-521.	0.3	0
27	Design of near-eye display measurement systems to enhance the performance. , 2021, , .		0