

Weitao Song

List of Publications by Year in descending order

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27
papers

516
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1163117

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docs citations

27
times ranked

376
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Three-dimensional image authentication with double random phase encryption in one capture. Applied Optics, 2022, 61, D92. | 1.8 | 2 |
| 2 | 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 |
| 3 | Ultra-Robust and Extensible Fibrous Mechanical Sensors for Wearable Smart Healthcare. Advanced Materials, 2022, 34, e2107511. | 21.0 | 83 |
| 4 | Design of a dual focal-plane near-eye display using diffractive waveguides and multiple lenses. Applied Optics, 2022, 61, 5844. | 1.8 | 5 |
| 5 | 56.2: Invited Paper: Breaking Resolution/Field-of-view Invariant in Near-Eye Displays using Multiple Display Panels. Digest of Technical Papers SID International Symposium, 2021, 52, 410-411. | 0.3 | 0 |
| 6 | Full-color retinal-projection near-eye display using a multiplexing-encoding holographic method. Optics Express, 2021, 29, 8098. | 3.4 | 28 |
| 7 | Design of a near-eye display measurement system using an anthropomorphic vision imaging method. Optics Express, 2021, 29, 13204. | 3.4 | 6 |
| 8 | An Artificial Peripheral Neural System Based on Highly Stretchable and Integrated Multifunctional Sensors. Advanced Functional Materials, 2021, 31, 2101107. | 14.9 | 46 |
| 9 | Design of a miniature anamorphic lens with a freeform front group and an aspheric rear group. Optical Engineering, 2021, 60, . | 1.0 | 4 |
| 10 | Latent fingerprint residue detection method using Sagnac Fourier transform imaging spectroscopy. Applied Optics, 2021, 60, 5534. | 1.8 | 2 |
| 11 | Design of 3D Microgestures for Commands in Virtual Reality or Augmented Reality. Applied Sciences (Switzerland), 2021, 11, 6375. | 2.5 | 6 |
| 12 | Large-Scale Huygens™ Metasurfaces for Holographic 3D Near-Eye Displays. Laser and Photonics Reviews, 2021, 15, 2000538. | 8.7 | 23 |
| 13 | 42.1: Invited Paper: Design Considerations for Near-Eye Displays using a Holographic Display Method. Digest of Technical Papers SID International Symposium, 2021, 52, 520-521. | 0.3 | 0 |
| 14 | Cryptanalysis of phase information based on a double random-phase encryption method. Optics Communications, 2021, 497, 127172. | 2.1 | 7 |
| 15 | Design of near-eye display measurement systems to enhance the performance. , 2021, , . | | 0 |
| 16 | Resolution enhancement of near-eye displays by overlapping images. Optics Communications, 2020, 458, 124723. | 2.1 | 3 |
| 17 | A bioinspired analogous nerve towards artificial intelligence. Nature Communications, 2020, 11, 268. | 12.8 | 80 |
| 18 | Pà36: Design of Simulation Tools for Light-Field Near-Eye Displays with a Pinhole Array. Digest of Technical Papers SID International Symposium, 2019, 50, 1370-1373. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Study of 3D Target Replacement in AR Based On Target Tracking. , 2019, , . | | 1 |
| 20 | 5.2: Design of Simulation Tools for Light-field Near-eye Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 50-51. | 0.3 | 0 |
| 21 | 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 |
| 22 | Directly printed wearable electronic sensing textiles towards human-machine interfaces. Journal of Materials Chemistry C, 2018, 6, 12841-12848. | 5.5 | 54 |
| 23 | Three-dimensional reconstruction for photon counting imaging using a planar catadioptric method. , 2017, , . | | 2 |
| 24 | Design and assessment of a wide FOV and high-resolution optical tiled head-mounted display. Applied Optics, 2015, 54, E15. | 2.1 | 14 |
| 25 | Design of an ultra-thin near-eye display with geometrical waveguide and freeform optics. Optics Express, 2014, 22, 20705. | 3.4 | 132 |
| 26 | 26.3: Volumetric Display System Using Multiple Mini-projectors. Digest of Technical Papers SID International Symposium, 2013, 44, 318-321. | 0.3 | 6 |
| 27 | Design of a linear-field-of-view oblique imaging system with a low distortion. Applied Optics, 0, , . | 1.8 | 1 |