

# Joonku Hahn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4807894/publications.pdf>

Version: 2024-02-01

36  
papers

1,136  
citations

687363

13  
h-index

454955

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

596  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Three-dimensional display technologies of recent interest: principles, status, and issues [Invited]. Applied Optics, 2011, 50, H87.  | 2.1 | 325       |
| 2  | Wide viewing angle dynamic holographic stereogram with a curved array of spatial light modulators. Optics Express, 2008, 16, 12372.  | 3.4 | 311       |
| 3  | Holographic head-mounted display with RGB light emitting diode light source. Optics Express, 2014, 22, 6526.   | 3.4 | 146       |
| 4  | 360-degree tabletop electronic holographic display. Optics Express, 2016, 24, 24999.   | 3.4 | 104       |
| 5  | Anamorphic optical transformation of an amplitude spatial light modulator to a complex spatial light modulator with square pixels [Invited]. Applied Optics, 2014, 53, G139. | 1.8 | 38        |
| 6  | Undistorted pickup method of both virtual and real objects for integral imaging. Optics Express, 2008, 16, 13969.  | 3.4 | 22        |
| 7  | Plasmonic Light Beaming Manipulation and its Detection Using Holographic Microscopy. IEEE Journal of Quantum Electronics, 2010, 46, 300-305.                                 | 1.9 | 22        |
| 8  | Real-time digital holographic beam-shaping system with a genetic feedback tuning loop. Applied Optics, 2006, 45, 915.  | 2.1 | 20        |
| 9  | Uniform angular resolution integral imaging display with boundary folding mirrors. Applied Optics, 2009, 48, 504.  | 2.1 | 20        |
| 10 | Phase-shifting interferometry with genetic algorithm-based twin image noise elimination. Applied Optics, 2008, 47, 4068.   | 2.1 | 19        |
| 11 | Expanded Exit-Pupil Holographic Head-Mounted Display With High-Speed Digital Micromirror Device. ETRI Journal, 2018, 40, 366-375.  | 2.0 | 16        |
| 12 | Adhesive-Layer-Free and Double-Faced Nanotransfer Lithography for a Flexible Large-Area MetaSurface Hologram. ACS Applied Materials & Interfaces, 2020, 12, 1737-1745.       | 8.0 | 15        |
| 13 | Optimization of the spatial light modulation with twisted nematic liquid crystals by a genetic algorithm. Applied Optics, 2008, 47, D87.                                     | 2.1 | 13        |
| 14 | Gold-Nanocluster-Assisted Nanotransfer Printing Method for Metasurface Hologram Fabrication. Scientific Reports, 2019, 9, 3051.  | 3.3 | 10        |
| 15 | Electronic Tabletop Holographic Display: Design, Implementation, and Evaluation. Applied Sciences (Switzerland), 2019, 9, 705.   | 2.5 | 8         |
| 16 | A Directional-View and Sound System Using a Tracking Method. IEEE Transactions on Broadcasting, 2011, 57, 454-461.   | 3.2 | 7         |
| 17 | Holographic printing for generating large-angle freeform holographic optical elements. Optics Letters, 2022, 47, 257.  | 3.3 | 6         |
| 18 | A 3D Optical Surface Profilometer Using a Dual-Frequency Liquid Crystal-Based Dynamic Fringe Pattern Generator. Sensors, 2016, 16, 1794.                                     | 3.8 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Reducing speckle artifacts in digital holography through programmable filtration. ETRI Journal, 2019, 41, 32-41.   | 2.0 | 5         |
| 20 | Iterative Fourier Transform Algorithm Based on the Segmentation of Target Image for a High-Speed Binary Spatial Light Modulator. Journal of the Optical Society of Korea, 2015, 19, 149-153.                                 | 0.6 | 5         |
| 21 | Development of a scalable tabletop display using projection-based light field technology. Journal of Information Display, 2021, 22, 285-292.   | 4.0 | 3         |
| 22 | Digital Incoherent Compressive Holography Using a Geometric Phase Metalens. Sensors, 2021, 21, 5624.   | 3.8 | 3         |
| 23 | Fatigue-free visual perception of high-density super-multiview augmented reality images. Scientific Reports, 2022, 12, 2959.   | 3.3 | 3         |
| 24 | Uncertainty-managed phase-shifting digital holography. Optics Letters, 2012, 37, 4492.   | 3.3 | 2         |
| 25 | Enhanced HDR Image Reproduction Using Gamma-Adaptation-Based Tone Compression and Detail-Preserved Blending. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 728-732. | 0.3 | 2         |
| 26 | Diffraction-optic three-dimensional image generation with spatial light modulators. , 2007, , .  |     | 1         |
| 27 | Effects of Au source/drain thickness on electrical characteristics of pentacene thin-film transistors. Journal of the Korean Physical Society, 2015, 67, 1609-1614.  | 0.7 | 1         |
| 28 | Solvent-assisted reduction in the lateral leakage current in solution-processed organic transistors. Journal of the Korean Physical Society, 2016, 69, 226-230.  | 0.7 | 1         |
| 29 | Numerical study on off-current features in an organic transistor by controlling electrode-overlap area. Molecular Crystals and Liquid Crystals, 2016, 635, 67-73.  | 0.9 | 1         |
| 30 | Reduction of hysteresis in solution-processed InGaZnO thin-film transistors through uni-directional pre-annealing. Journal of the Korean Physical Society, 2018, 72, 270-275.  | 0.7 | 1         |
| 31 | Effect of UV and Water on Electrical Properties at Pre- and Post-Annealing Processes in Solution-Processed InGaZnO Transistors. Journal of Nanoscience and Nanotechnology, 2019, 19, 2240-2246.                              | 0.9 | 1         |
| 32 | Three-dimensional new view synthesis algorithm using object rendering based on the line of sight. , 2007, , .  |     | 0         |
| 33 | Off-axis complex hologram encoding method for holographic display with amplitude-only modulation. , 2013, , .  |     | 0         |
| 34 | Full-color 13-inch electronic holographic display with 16.5 Megapixels. , 2015, , .  |     | 0         |
| 35 | Full-color table-top display with rotating transmissive screen. , 2015, , .  |     | 0         |
| 36 | Crosstalk reduction in tabletop multiview display with fog screen. ETRI Journal, 0, , .  | 2.0 | 0         |