

Liang Gao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4452878/publications.pdf>

Version: 2024-02-01

38
papers

2,187
citations

331670

21
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-shot compressed ultrafast photography at one hundred billion frames per second. <i>Nature</i> , 2014, 516, 74-77.	27.8	450
2	Snapshot Image Mapping Spectrometer (IMS) with high sampling density for hyperspectral microscopy. <i>Optics Express</i> , 2010, 18, 14330.	3.4	224
3	Toward the next-generation VR/AR optics: a review of holographic near-eye displays from a human-centric perspective. <i>Optica</i> , 2020, 7, 1563.	9.3	216
4	Optical hyperspectral imaging in microscopy and spectroscopy - a review of data acquisition. <i>Journal of Biophotonics</i> , 2015, 8, 441-456.	2.3	138
5	Compact Image Slicing Spectrometer (ISS) for hyperspectral fluorescence microscopy. <i>Optics Express</i> , 2009, 17, 12293.	3.4	123
6	A review of snapshot multidimensional optical imaging: Measuring photon tags in parallel. <i>Physics Reports</i> , 2016, 616, 1-37.	25.6	113
7	Snapshot advantage: a review of the light collection improvement for parallel high-dimensional measurement systems. <i>Optical Engineering</i> , 2012, 51, 111702.	1.0	109
8	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. <i>Science Advances</i> , 2017, 3, e1601814.	10.3	101
9	Snapshot hyperspectral retinal camera with the Image Mapping Spectrometer (IMS). <i>Biomedical Optics Express</i> , 2012, 3, 48.	2.9	70
10	Single-cell photoacoustic thermometry. <i>Journal of Biomedical Optics</i> , 2013, 18, 026003.	2.6	60
11	Space- and intensity-constrained reconstruction for compressed ultrafast photography. <i>Optica</i> , 2016, 3, 694.	9.3	57
12	Encrypted Three-dimensional Dynamic Imaging using Snapshot Time-of-flight Compressed Ultrafast Photography. <i>Scientific Reports</i> , 2015, 5, 15504.	3.3	52
13	Ultrafast optical imaging technology: principles and applications of emerging methods. <i>Nanophotonics</i> , 2016, 5, 497-509.	6.0	49
14	Review of bio-optical imaging systems with a high space-bandwidth product. <i>Advanced Photonics</i> , 2021, 3, .	11.8	48
15	Computational holographic Maxwellian near-eye display with an expanded eyebox. <i>Scientific Reports</i> , 2019, 9, 18749.	3.3	43
16	Image mapping spectrometry: calibration and characterization. <i>Optical Engineering</i> , 2012, 51, 1.	1.0	41
17	Multiview optical resolution photoacoustic microscopy. <i>Optica</i> , 2014, 1, 217.	9.3	40
18	Intracellular temperature mapping with fluorescence-assisted photoacoustic-thermometry. <i>Applied Physics Letters</i> , 2013, 102, 193705.	3.3	37

#	ARTICLE	IF	CITATIONS
19	Depth-resolved image mapping spectrometer (IMS) with structured illumination. Optics Express, 2011, 19, 17439.	3.4	36
20	Ultrafast light field tomography for snapshot transient and non-line-of-sight imaging. Nature Communications, 2021, 12, 2179.	12.8	29
21	High-speed compressed-sensing fluorescence lifetime imaging microscopy of live cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
22	Snapshot hyperspectral light field tomography. Optica, 2021, 8, 1552.	9.3	14
23	Correction of vignetting and distortion errors induced by two-axis light beam steering. Optical Engineering, 2012, 51, 043203.	1.0	13
24	Nanoshells for <i>in vivo</i> imaging using two-photon excitation microscopy. Nanotechnology, 2011, 22, 365102.	2.6	12
25	Photobleaching imprinting microscopy: seeing clearer and deeper. Journal of Cell Science, 2013, 127, 288-94.	2.0	12
26	Photothermal bleaching in time-lapse photoacoustic microscopy. Journal of Biophotonics, 2013, 6, 543-548.	2.3	12
27	Snapshot multidimensional photography through active optical mapping. Nature Communications, 2020, 11, 5602.	12.8	11
28	Compact light field photography towards versatile three-dimensional vision. Nature Communications, 2022, 13, .	12.8	11
29	Improving non-line-of-sight image reconstruction with weighting factors. Optics Letters, 2020, 45, 3921.	3.3	9
30	Continuously streaming compressed high-speed photography using time delay integration. Optica, 2021, 8, 1620.	9.3	8
31	All-passive transformable optical mapping near-eye display. Scientific Reports, 2019, 9, 6064.	3.3	7
32	Optical design and development of a snapshot light-field laryngoscope. Optical Engineering, 2018, 57, 1.	1.0	5
33	Robust structured-light depth mapping via recursive decomposition of binary codes. Optical Engineering, 2019, 58, 1.	1.0	5
34	Plenoptic Face Presentation Attack Detection. IEEE Access, 2020, 8, 59007-59014.	4.2	4
35	Compressed ultrafast photography: Redefining the limit of passive ultrafast imaging. , 2016, , .		0
36	Advances in Computational Imaging: Theory, Algorithms, and Systems. Mathematical Problems in Engineering, 2017, 2017, 1-2.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Development of a parameterization image stitching algorithm for ultrashort throw laser MEMS projectors. Journal of the Society for Information Display, 2019, 27, 708-714.	2.1	0
38	Active optical mapping for high-speed and hyperspectral imaging. , 2021, , .		0