

Myung K Kim

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3745213/myung-k-kim-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

3,352

citations

31

h-index

57

g-index

126

ext. papers

4,370

ext. citations

2.3

avg, IF

5.83

L-index

#	Paper	IF	Citations
88	Phase microscopy and surface profilometry by digital holography. <i>Light Advanced Manufacturing</i> , 2022 , 3, 1	1	0
87	Wide area quantitative phase microscopy by spatial phase scanning digital holography. <i>Optics Letters</i> , 2020 , 45, 784-786	3	6
86	Parallel phase-shifting self-interference digital holography with faithful reconstruction using compressive sensing. <i>Optics and Lasers in Engineering</i> , 2016 , 86, 38-43	4.6	16
85	Compressive sensing sectional imaging for single-shot in-line self-interference incoherent holography. <i>Optics Communications</i> , 2016 , 366, 88-93	2	15
84	Chapter 12 Digital Interference Holography for Tomographic Imaging 2016 , 429-466		
83	Chapter 15 Multiwavelength Full-Field Optical Coherence Tomography 2016 , 533-564		
82	Signal enhanced holographic fluorescence microscopy with guide-star reconstruction. <i>Biomedical Optics Express</i> , 2016 , 7, 1271-83	3.5	9
81	Nonscanning three-dimensional differential holographic fluorescence microscopy. <i>Journal of Electronic Imaging</i> , 2015 , 24, 043014	0.7	1
80	Holographic fluorescence microscopy with incoherent digital holographic adaptive optics 2015 ,		1
79	Digital adaptive optics line-scanning confocal imaging system. <i>Journal of Biomedical Optics</i> , 2015 , 20, 111203	3.5	6
78	Techniques of self-interference incoherent digital holography 2015 ,		1
77	Holographic fluorescence microscopy with incoherent digital holographic adaptive optics. <i>Journal of Biomedical Optics</i> , 2015 , 20, 111204	3.5	11
76	Quantitative phase-contrast confocal microscope. <i>Optics Express</i> , 2014 , 22, 17830-9	3.3	15
75	Review of digital holographic microscopy for three-dimensional profiling and tracking. <i>Optical Engineering</i> , 2014 , 53, 112306	1.1	89
74	Four-dimensional motility tracking of biological cells by digital holographic microscopy. <i>Journal of Biomedical Optics</i> , 2014 , 19, 045001	3.5	26
73	Phase aberration correction by correlation in digital holographic adaptive optics. <i>Applied Optics</i> , 2013 , 52, 2940-9	1.7	8
72	Ophthalmic adaptive optics by digital holography 2013 ,		1

71	Unknown Arbitrary Phase Shift Retrieval and Holographic Reconstruction from Images Obtained from Self-Interference Incoherent Digital Holography 2013 ,			1
70	Full color natural light holographic camera. <i>Optics Express</i> , 2013 , 21, 9636-42	3.3		99
69	Single-shot self-interference incoherent digital holography using off-axis configuration. <i>Optics Letters</i> , 2013 , 38, 5196-9	3		65
68	Incoherent digital holographic adaptive optics. <i>Applied Optics</i> , 2013 , 52, A117-30	1.7		46
67	Four dimensional motility tracking of biological cells by digital holographic microscopy 2013 ,			1
66	Quantitative imaging and measurement of cell substrate surface deformation by digital holography. <i>Journal of Modern Optics</i> , 2012 , 59, 1591-1598	1.1		9
65	Fourier transform digital holographic adaptive optics imaging system. <i>Applied Optics</i> , 2012 , 51, 8449-54	1.7		10
64	Adaptive optics by incoherent digital holography. <i>Optics Letters</i> , 2012 , 37, 2694-6	3		78
63	Noncontact single-pulse optical method to measure interfacial properties in intact systems. <i>Optics Letters</i> , 2012 , 37, 5145-7	3		3
62	Measurement of the traction force of biological cells by digital holography. <i>Biomedical Optics Express</i> , 2012 , 3, 153-9	3.5		38
61	Terahertz digital off-axis holography for non-destructive testing 2011 ,			8
60	Basic Methods of Numerical Diffraction. <i>Springer Series in Optical Sciences</i> , 2011 , 43-54	0.5		2
59	Digital Holography Configurations. <i>Springer Series in Optical Sciences</i> , 2011 , 55-69	0.5		3
58	Low-Coherence and Tomographic Techniques. <i>Springer Series in Optical Sciences</i> , 2011 , 191-230	0.5		
57	Digital Holographic Microscopy. <i>Springer Series in Optical Sciences</i> , 2011 , 149-190	0.5		17
56	Numerical Techniques of Digital Holography. <i>Springer Series in Optical Sciences</i> , 2011 , 109-127	0.5		
55	Digital Holographic Microscopy. <i>Springer Series in Optical Sciences</i> , 2011 ,	0.5		131
54	Digital computation of the complex linear canonical transform. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011 , 28, 1379-86	1.8		7

53	Determination of absorption coefficient by digital holographic measurement of optical excitation. <i>Applied Optics</i> , 2011 , 50, 1668-72	0.2	5
52	Digital holography and 3-D imaging. <i>Applied Optics</i> , 2011 , 50, DH1-2	0.2	1
51	Terahertz digital holography using angular spectrum and dual wavelength reconstruction methods. <i>Optics Express</i> , 2011 , 19, 9192-200	3.3	94
50	Digital holographic adaptive optics for ocular imaging: proof of principle. <i>Optics Letters</i> , 2011 , 36, 2710-2		20
49	Nanometric measurement of optical pressure deformation of fluid interface by digital holography 2011 ,		1
48	Special Techniques of Digital Holography. <i>Springer Series in Optical Sciences</i> , 2011 , 129-147	0.5	1
47	Variable-angle total internal reflection fluorescence microscopy of intact cells of <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2011 , 7, 27	5.8	46
46	Principles and techniques of digital holographic microscopy. <i>Journal of Photonics for Energy</i> , 2010 , 0180052		214
45	In vitro imaging of ophthalmic tissue by digital interference holography. <i>Journal of Modern Optics</i> , 2010 , 57, 115-123	1.1	3
44	Applications of Digital Holography in Biomedical Microscopy. <i>Journal of the Optical Society of Korea</i> , 2010 , 14, 77-89		30
43	Total internal reflection holographic microscopy for quantitative phase characterization of cellular adhesion 2010 ,		1
42	Quantitative phase evaluation of dynamic changes on the cell membrane during laser microsurgery 2009 ,		1
41	Quantitative phase imaging using three-wavelength optical phase unwrapping. <i>Journal of Modern Optics</i> , 2009 , 56, 67-74	1.1	17
40	Digital holographic microscopy for quantitative cell dynamic evaluation during laser microsurgery. <i>Optics Express</i> , 2009 , 17, 12031-8	3.3	66
39	Quantitative imaging of cellular adhesion by total internal reflection holographic microscopy. <i>Applied Optics</i> , 2009 , 48, H144-52	0.2	29
38	Fingerprint biometry applications of digital holography and low-coherence interferography. <i>Applied Optics</i> , 2009 , 48, H9-15	0.2	22
37	Fingerprint scanner using digital interference holography 2009 ,		1
36	Simultaneous dual-wavelength reflection digital holography applied to the study of the porous coal samples. <i>Applied Optics</i> , 2008 , 47, 3203-10	1.7	32

35	Digital holography of total internal reflection. <i>Optics Express</i> , 2008 , 16, 9811-20	3.3	40
34	Phase imaging of cells by simultaneous dual-wavelength reflection digital holography. <i>Optics Express</i> , 2008 , 16, 10900-11	3.3	111
33	Design and imaging properties of a laser scanning microscope with a position-sensitive detector. <i>Journal of Modern Optics</i> , 2008 , 55, 2785-2796	1.1	2
32	Structured Illumination Imaging 2008 , 469-497		1
31	Optical sectioning by selective illumination feedback microscopy. <i>Journal of Modern Optics</i> , 2007 , 54, 1819-1826	1.1	
30	LED-based multi-wavelength phase imaging interference microscopy. <i>Optics Express</i> , 2007 , 15, 9239-47	3.3	58
29	Three-dimensional angle measurement based on propagation vector analysis of digital holography. <i>Applied Optics</i> , 2007 , 46, 3539-45	1.7	6
28	Movies of cellular and sub-cellular motion by digital holographic microscopy. <i>BioMedical Engineering OnLine</i> , 2006 , 5, 21	4.1	56
27	Single-exposure optical sectioning by color structured illumination microscopy. <i>Optics Letters</i> , 2006 , 31, 477-9	3	35
26	Pixel resolution control in numerical reconstruction of digital holography. <i>Optics Letters</i> , 2006 , 31, 897-93		39
25	Digital holographic microscopy with dual-wavelength phase unwrapping. <i>Applied Optics</i> , 2006 , 45, 451-9	1.7	106
24	Variable tomographic scanning with wavelength scanning digital interference holography. <i>Optics Communications</i> , 2006 , 260, 462-468	2	12
23	Interference techniques in digital holography. <i>Journal of Optics</i> , 2006 , 8, S518-S523		89
22	Digital Holography and Multi-Wavelength Interference Techniques 2006 , 51-72		6
21	Wavelength scanning digital interference holography for variable tomographic scanning. <i>Optics Express</i> , 2005 , 13, 5621-7	3.3	36
20	High-resolution quantitative phase-contrast microscopy by digital holography. <i>Optics Express</i> , 2005 , 13, 8693-8	3.3	474
19	Wavelength-scanning digital interference holography for tomographic three-dimensional imaging by use of the angular spectrum method. <i>Optics Letters</i> , 2005 , 30, 2092-4	3	174
18	Scanning photon microscopy 2005 ,		1

17	Full-color three-dimensional microscopy by wide-field optical coherence tomography. <i>Optics Express</i> , 2004 , 12, 6632-41	3.3	44
16	Phase imaging without 2pi ambiguity by multiwavelength digital holography. <i>Optics Letters</i> , 2003 , 28, 1141-3	3	228
15	Microscopic three-dimensional imaging by digital interference holography. <i>Journal of Electronic Imaging</i> , 2003 , 12, 643	0.7	19
14	Tomographic three-dimensional imaging of a biological specimen using wavelength-scanning digital interference holography. <i>Optics Express</i> , 2000 , 7, 305-10	3.3	96
13	Wavelength-scanning digital interference holography for optical section imaging. <i>Optics Letters</i> , 1999 , 24, 1693-5	3	72
12	Perturbation analysis of Raman echo. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 1780	1.7	2
11	Spin coherence excitation and rephasing with optically shelved atoms. <i>Physical Review B</i> , 1998 , 58, R11835-R11838	3.5	34
10	Efficient generation of Raman echo and time-domain optical data storage by electromagnetically induced transparency 1998 ,		1
9	Frequency-selective time-domain optical data storage by electromagnetically induced transparency in a rare-earth-doped solid. <i>Optics Letters</i> , 1997 , 22, 1849-51	3	107
8	Time-domain optical data storage by use of Raman coherent population trapping. <i>Optics Letters</i> , 1994 , 19, 296-8	3	36
7	Hyperfine structures of praseodymium ions in solids using stimulated-photon-echo modulation. <i>Physical Review B</i> , 1991 , 44, 9826-9832	3.3	11
6	Nanosecond image processing using stimulated photon echoes. <i>Optics Letters</i> , 1990 , 15, 562-4	3	29
5	cw photon echo. <i>Physical Review Letters</i> , 1989 , 63, 754-757	7.4	8
4	Multiple-bit long-term data storage by backward-stimulated echo in Eu(3+):YAlO(3). <i>Optics Letters</i> , 1989 , 14, 423-5	3	52
3	Hyperfine measurements of the 1D2-3H4 transition in Pr3+: Yttrium aluminum garnet using photon echo. <i>Physical Review B</i> , 1989 , 40, 2082-2089	3.3	9
2	Degenerate photon echoes: simultaneous storage of multiple optical data. <i>Optics Letters</i> , 1988 , 13, 536-8		17
1	Storage and phase conjugation of multiple images using backward-stimulated echoes in Pr3+:LaF3. <i>Optics Letters</i> , 1987 , 12, 593-5	3	30