Takashi Okamoto

List of Publications by Year
in descending order

61	346	933447 10	940533 16
papers	citations	h-index	g-index

61	61	61	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differences in star formation activity between tidally triggered and isolated bars: a case study of NGCâ€‰4303 and NGCâ€‰3627. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3899-3916.	4.4	6
2	Inverse design of two-dimensional disordered structures for spectral optimization of random lasers. Optics Communications, 2022, 508, 127775.	2.1	5
3	A puzzling non-detection of [Oâ€¯III] and [Câ€¯II] from a zâ€„â‰ˆâ€„7.7 galaxy observed with ALMA. Astronomy and Astrophysics, 2021, 646, A26.	5.1	4
4	Testing the effect of resolution on gravitational fragmentation with Lagrangian hydrodynamic schemes. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3986-3995.	4.4	4
5	A Phase-space View of Cold-gas Properties of Virgo Cluster Galaxies: Multiple Quenching Processes at Work?. Astrophysical Journal, 2021, 914, 145.	4.5	10
6	Semi-analytic modelling of AGNs: autocorrelation function and halo occupation. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1-18.	4.4	10
7	Development of laser speckle blood flowmeter for evaluating the physiological function of skin. Biomedical Physics and Engineering Express, 2019, 5, 055012.	1.2	2
8	Random Laser Action in Dye-Doped Polymer Media with Inhomogeneously Distributed Particles and Gain. Applied Sciences (Switzerland), 2019, 9, 3499.	2.5	7
9	Structure of dark matter haloes of Milky Way satellite galaxies in SIDM universes. Proceedings of the International Astronomical Union, 2018, 14, 498-501.	0.0	0
10	Effects of inhomogeneity in distribution of scatterers on random laser emission. , 2017, , .		0
11	Random lasing in dye-doped polymer random media with a bubble structure. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1497.	2.1	17
12	Numerical simulations on the focus-shift multiplexing technique for self-referential holographic data storage. Optical Review, 2016, 23, 987-996.	2.0	3
13	Treatment of Light Phenomena in the Context of Wave and Electromagnetic Optics. Journal of the Japan Society of Colour Material, 2016, 89, 93-97.	0.1	0
14	Numerical simulations on inter-page crosstalk characteristics in three-dimensional shift multiplexed self-referential holographic data storage. Japanese Journal of Applied Physics, 2016, 55, 08RD01.	1.5	1
15	Recording procedures for high-quality signal readout in self-referential holographic data storage. Applied Optics, 2015, 54, 5167.	2.1	8
16	Numerical simulations on 3D shift multiplexed self-referential holographic data storage: Shift multiplexing properties along z-axis. , 2015, , .		1
17	Assessment of laser speckle flowgraphy: Development of novel cutaneous blood flow measurement technique. , 2015, , .		5
18	Shift-multiplexed self-referential holographic data storage. Applied Optics, 2014, 53, 4375.	1.8	15

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19	Monte Carlo simulation of light reflection from cosmetic powder particles near the human skin surface. Journal of Biomedical Optics, 2013, 18, 061232.	2.6	10
20	Emission properties of random laser media with a bubble structure. , 2013, , .		0
21	Monte Carlo simulation of light reflection from cosmetic powders on the skin. , 2011, , .		0
22	Optimal sampling and quantization of dynamic speckles for object identification. Proceedings of SPIE, 2010, , .	0.8	0
23	Effect of particle size and shape on nonresonant random laser action of dye-doped polymer random media. Optical Review, 2010, 17, 300-304.	2.0	14
24	Statistical properties of three-dimensional speckle distributions produced by crossed scattered waves. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 3030.	1.5	6
25	Light scattering properties of random media with a structure of laser speckle. Proceedings of SPIE, 2008, , .	0.8	0
26	<title>Statistical properties of superposed fractal speckle fields</title>. , 2007, , .		2
27	Correlation properties of three-dimensional superposed fractal speckle distributions. , 2006, , .		0
28	<title>Intensity correlation of orthogonally crossed speckle waves</title>. , 2006, 6254, 23.		0
29	Light amplification from Cantor and asymmetric multilayer resonators. Optics Express, 2005, 13, 8122.	3.4	15
30	Intensity correlations of coherent light reflected from dense powders. Optics Communications, 2003, 227, 15-23.	2.1	2
31	Spatial properties of light scattering fields produced by crossed random waves. , 2003, , .		0
32	Correlation properties of light multiply scattered from powders. , 2001, , .		1
33	Enhanced Intensity Fluctuations of Multiply Scattered Light in Nonlinear Absorbing Media. Optical Review, 1999, 6, 104-109.	2.0	0
34	Effect of absorption on surface speckles in random media. Waves in Random and Complex Media, 1999, 9, 27-36.	1.5	1
35	Ultraviolet-cured polymer microlens arrays. Applied Optics, 1999, 38, 2991.	2.1	49
36	<title>Angular correlation properties of multiply scattered light in random media with buried objects</title>. , 1999, , .		0

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37	<title>Influence of objects buried in highly dense media on angular correlations of the scattered intensity</title>. , 1999, 3749, 679.		0
38	<title>Light amplification by multilayers with fractal gain structures</title>. , 1999, , .		0
39	Anomalous correlation of intensity fluctuations in strong-scattering media. Journal of Modern Optics, 1998, 45, 117-132.	1.3	3
40	Ultraviolet-Cured Polymer Micro-Optical Elements. Optical Review, 1997, 4, 516-520.	2.0	9
41	Enhanced backscattering of partially coherent light. Optics Letters, 1996, 21, 369.	3.3	23
42	Effect of a surface profile on spectral correlation properties of dynamic doubly scattered dichromatic speckles. Journal of Optics, 1996, 5, 975-983.	0.5	2
43	Enhanced backscattering of light by disordered media: effects of spatial coherence. , 1996, , .		0
44	III: The Statistics of Dynamic Speckles. Progress in Optics, 1995, 34, 183-248.	0.6	25
45	Depolarization measurements of light propagating through an image fiber. Journal of Optics, 1994, 25, 139-142.	0.3	2
46	Cross-correlation properties of multiply-scattered dichromatic light from flowing colloidal particles. Optical Review, 1994, 1, 139-142.	2.0	0
47	Spectral decorrelation of dynamic speckles from concentrated colloidal suspensions in a uniform flow. Optics Communications, 1993, 103, 355-360.	2.1	1
48	Multiple light scattering from a moving layer of Brownian particles: comparison with a rigid phase screen. Waves in Random and Complex Media, 1993, 3, 211-219.	1.5	0
49	A digital speckle correlation interferometer using an image fibre. Measurement Science and Technology, 1993, 4, 746-753.	2.6	9
50	Speckle correlation method for the real time measurement of motion paths using liquid crystal television. Optical Engineering, 1993, 32, 10.	1.0	3
51	Liquid crystal television applied to a speckle correlation method: real time measurement of the object displacement. Optics Communications, 1992, 88, 17-21.	2.1	8
52	Effects of imaging properties on dynamic speckles produced by a set of moving phase screens. Waves in Random and Complex Media, 1992, 2, 49-65.	1.5	7
53	Detection of the Object Velocity Using Doubly-scattered Dynamic Speckles Under Gaussian Beam Illumination. Journal of Modern Optics, 1991, 38, 1821-1839.	1.3	8
54	<title>Detection of the object velocity using the time-varying scattered speckles</title>. , 1991, , .		0

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55	Spacetime correlation functions of dynamic speckles produced by a series of moving phase screens. Waves in Random and Complex Media, 1991, 1, 391-408.	1.5	3
56	Velocity dependence of doubly scattered speckles produced by a cascade of two moving diffusers. , 1990, 1319, 536.		0
57	Velocity dependence of image speckles produced by a moving diffuser under dynamic speckle illumination. Optics Communications, 1990, 77, 113-120.	2.1	12
58	Velocity Measurements of Two Moving Diffusers Using a Temporal Correlation Length of Doubly-scattered Speckle. Journal of Modern Optics, 1990, 37, 389-408.	1.3	18
59	Power spectra of speckle signals detected by optical-fiber probe. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1987, 4, 1366.	1.5	7
60	Optical Fiber Probe For Blood Flow Monitoring. , 1986, 0576, 76.		1
61	Detection properties of an optical fiber probe for laser speckle velocimetry. Optics Communications, 1985, 55, 393-398.	2.1	7