Jun Uozumi

List of Publications by Year
in descending order

59	465	759233 12	752698 20
papers	citations	h-index	g-index

60	60	60	181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of spatial resolution in digital holographic microscopy using the spatial correlation properties of speckle patterns. OSA Continuum, 2019, 2, 1822.	1.8	7
2	Analysis of blood coagulation process based on fractality and dynamic characteristic of laser speckle pattern. Journal of Biomedical Optics, 2018, 24, 1.	2.6	6
3	Fractality of biospeckle pattern observed in blood coagulation process. , 2018, , .		1
4	Roll-to-roll manufacturing of disposable surfaceenhanced Raman scattering (SERS) sensors on paper based substrates. Nordic Pulp and Paper Research Journal, 2017, 32, 222-228.	0.7	2
5	A Life with Light, Statistics and Differintegrals. NIR News, 2016, 27, 12-14.	0.3	0
6	Surface-enhanced Raman scattering active substrates by liquid flame spray deposited and inkjet printed silver nanoparticles. Optical Review, 2014, 21, 339-344.	2.0	5
7	Digital holographic fractal speckle. Journal of Optics (United Kingdom), 2013, 15, 035704.	2.2	6
8	Optical Identification of Dielectric and Metallic Nanoparticle Colloids. , 2013, , .		0
9	Phase retrieval of reflectance for nanoparticle optical identification. Optics Letters, 2012, 37, 2202.	3.3	4
10	Computer-generated holograms for producing fractal speckles. Optical Review, 2010, 17, 191-194.	2.0	5
11	Robust sensor for turbidity measurement from light scattering and absorbing liquids. Optics Letters, 2009, 34, 3743.	3.3	7
12	Scaling reduction of the contrast of fractal speckles detected with a finite aperture. Optics Communications, 2008, 281, 543-549.	2.1	3
13	Effects of clipping threshold on the scaling property of clipped fractal speckle intensities. Journal of Optics, 2008, 10, 025004.	1.5	1
14	Effects of threshold on multiple-target detection by using a modified amplitude-modulated joint transform correlator. Optical Engineering, 2008, 47, 017206.	1.0	1
15	Multifractal analysis of speckle intensities produced by power-law illumination of diffusers. Journal of Modern Optics, 2007, 54, 1511-1528.	1.3	5
16	Super focusing of optical beams. Journal of Optics, 2007, 9, 777-786.	1.5	4
17	Generation of fractal speckles by means of a spatial light modulator. Optics Express, 2007, 15, 7415.	3.4	26
18	Effects of threshold on single-target detection by using modified amplitude-modulated joint transform correlator. Optics Communications, 2007, 271, 48-58.	2.1	12

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19	Phase statistics of the speckle produced by power-law illuminated diffusers. , 2003, 4829, 609.		2
20	<title>Generation and properties of laser speckle with long correlation tails</title>. , 2002, 4705, 95.		3
21	<title>Fractality of optical fields scattered by power-law-illuminated diffusers</title>. , 2002, , .		4
22	STUDY ON DISCRIMINATION OF WINTER PAVEMENT CONDITIONS BY WAVELET ANALYSIS. Journal of Pavement Engineering Jsce, 2002, 7, 14p1-14p8.	0.0	0
23	The study of fractal structure of ground glass surface by means of angle resolved scattering of light. Optics Communications, 2002, 203, 191-196.	2.1	2
24	<title>Light scattering from fractal random media</title>. , 2001, , .		2
25	Study on Reproduction of Sound from Old Wax Phonograph Cylinders Using the Laser. , 2000, , 14-19.		0
26	Optical evaluation of fractality of rough surfaces using fractal illumination. Optics Communications, 1999, 166, 163-171.	2.1	1
27	Fractal Roughness Retrieval by Integrated Wavelet Transform. Optical Review, 1999, 6, 293-301.	2.0	1
28	<title>Numerical analysis of enhanced backscattering from random fractal media</title>. , 1999, , .		0
29	<title>Fractal speckles in diffraction regions and image plane</title>. , 1999, 3749, 322.		0
30	Generating random fractal fields by double-scattering process. , 1999, , .		1
31	<title>Angular correlation properties of multiply scattered light in random media with buried objects</title>. , 1999, , .		0
32	Fractal speckles. Optics Communications, 1998, 156, 350-358.	2.1	34
33	Longitudinal Correlation Properties of Speckles Produced by Ring-Slit Illumination. Optical Review, 1998, 5, 129-137.	2.0	11
34	Optical reproduction of sounds from old phonographic wax cylinders. , 1997, , .		5
35	Optical evaluation of fractal surfaces using array illumination. Optics Communications, 1997, 134, 264-272.	2.1	1
36	Enhancement Factor in the Light Backscattered by Fractal Aggregated Media. Optical Review, 1996, 3, 71-82.	2.0	11

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37	Fraunhofer diffraction by gratings with scaling fluctuations. Optics Communications, 1996, 130, 122-130.	2.1	4
38	Speckle clustering in diffraction patterns of random objects under ring-slit illumination. Optics Communications, 1995, 114, 203-210.	2.1	35
39	Statistics of Gaussian Speckles with Enhanced Fluctuations. Optical Review, 1995, 2, 174-180.	2.0	3
40	Fraunhofer Diffraction from Apertures Bounded by Regular Fractals. Journal of Modern Optics, 1995, 42, 2309-2322.	1.3	18
41	Bispectrum Analysis of Fractal Structures. Journal of Modern Optics, 1994, 41, 1659-1673.	1.3	7
42	Demonstration of diffraction by fractals. American Journal of Physics, 1994, 62, 283-285.	0.7	6
43	Particle size Effects on Optical Transport through strongly scattering media. Particle and Particle Systems Characterization, 1994, 11, 250-257.	2.3	7
44	Diffraction Fields of Fractally Bounded Apertures. Optical Review, 1994, 1, 3-7.	2.0	13
45	Bispectrum Analysis of One-Dimensional Regular Fractals with Additive Random Noise. Optical Review, 1994, 1, 51-54.	2.0	7
46	Statistical properties of the Fraunhofer diffraction field produced by random fractals. Applied Optics, 1993, 32, 2722.	2.1	12
47	Laser diffraction by randomized Koch fractals. Waves in Random and Complex Media, 1991, 1, 73-80.	1.5	18
48	Fraunhofer Diffraction by Koch Fractals: The Dimensionality. Journal of Modern Optics, 1991, 38, 1335-1347.	1.3	37
49	<title>Method for evaluating displacement of objects using the Wigner distribution function</title>. , 1991, , .		0
50	Optical diffraction by regular and random Koch fractals. , 1990, 1319, 11.		2
51	Fraunhofer Diffraction by Koch Fractals. Journal of Modern Optics, 1990, 37, 1011-1031.	1.3	46
52	Error Reduction in Spectrum Estimation by Means of Concentration-Spectrum Correlation. Applied Spectroscopy, 1990, 44, 695-700.	2.2	5
53	Estimation Errors of Component Spectra Estimated by Means of the Concentration-Spectrum Correlation: Part I. Applied Spectroscopy, 1989, 43, 74-80.	2.2	4
54	Reproduction of sound from old disks by the laser diffraction method. Applied Optics, 1988, 27, 2671.	2.1	4

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55	Application of laser in food science and industry.. Journal of the Japanese Society for Food Science and Technology, 1987, 34, 696-702.	0.1	0
56	Determination of Fat Content in Meats by Near-infrared Reflectance Spectroscopy. Journal of Japan Oil Chemists Society, 1985, 34, 257-261.	0.1	0
57	Applications of Nondestructive Analysis. Journal of Japan Oil Chemists Society, 1983, 32, 634-641.	0.1	0
58	First-order intensity and phase statistics of Gaussian speckle produced in the diffraction region. Applied Optics, 1981, 20, 1454.	2.1	27
59	First-order probability density function of the laser speckle phase. Optical and Quantum Electronics, 1980, 12, 477-494.	3.3	37