

# Jun Uozumi

## List of Publications by Year in descending order

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59  
papers

465  
citations

759233

12  
h-index

752698

20  
g-index

60  
all docs

60  
docs citations

60  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fraunhofer Diffraction by Koch Fractals. Journal of Modern Optics, 1990, 37, 1011-1031.	1.3	46
2	First-order probability density function of the laser speckle phase. Optical and Quantum Electronics, 1980, 12, 477-494.	3.3	37
3	Fraunhofer Diffraction by Koch Fractals: The Dimensionality. Journal of Modern Optics, 1991, 38, 1335-1347.	1.3	37
4	Speckle clustering in diffraction patterns of random objects under ring-slit illumination. Optics Communications, 1995, 114, 203-210.	2.1	35
5	Fractal speckles. Optics Communications, 1998, 156, 350-358.	2.1	34
6	First-order intensity and phase statistics of Gaussian speckle produced in the diffraction region. Applied Optics, 1981, 20, 1454.	2.1	27
7	Generation of fractal speckles by means of a spatial light modulator. Optics Express, 2007, 15, 7415.	3.4	26
8	Laser diffraction by randomized Koch fractals. Waves in Random and Complex Media, 1991, 1, 73-80.	1.5	18
9	Fraunhofer Diffraction from Apertures Bounded by Regular Fractals. Journal of Modern Optics, 1995, 42, 2309-2322.	1.3	18
10	Diffraction Fields of Fractally Bounded Apertures. Optical Review, 1994, 1, 3-7.	2.0	13
11	Statistical properties of the Fraunhofer diffraction field produced by random fractals. Applied Optics, 1993, 32, 2722.	2.1	12
12	Effects of threshold on single-target detection by using modified amplitude-modulated joint transform correlator. Optics Communications, 2007, 271, 48-58.	2.1	12
13	Enhancement Factor in the Light Backscattered by Fractal Aggregated Media. Optical Review, 1996, 3, 71-82.	2.0	11
14	Longitudinal Correlation Properties of Speckles Produced by Ring-Slit Illumination. Optical Review, 1998, 5, 129-137.	2.0	11
15	Bispectrum Analysis of Fractal Structures. Journal of Modern Optics, 1994, 41, 1659-1673.	1.3	7
16	Particle size Effects on Optical Transport through strongly scattering media. Particle and Particle Systems Characterization, 1994, 11, 250-257.	2.3	7
17	Bispectrum Analysis of One-Dimensional Regular Fractals with Additive Random Noise. Optical Review, 1994, 1, 51-54.	2.0	7
18	Robust sensor for turbidity measurement from light scattering and absorbing liquids. Optics Letters, 2009, 34, 3743.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Enhancement of spatial resolution in digital holographic microscopy using the spatial correlation properties of speckle patterns. <i>OSA Continuum</i> , 2019, 2, 1822.	1.8	7
20	Demonstration of diffraction by fractals. <i>American Journal of Physics</i> , 1994, 62, 283-285.	0.7	6
21	Digital holographic fractal speckle. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 035704.	2.2	6
22	Analysis of blood coagulation process based on fractality and dynamic characteristic of laser speckle pattern. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	6
23	Error Reduction in Spectrum Estimation by Means of Concentration-Spectrum Correlation. <i>Applied Spectroscopy</i> , 1990, 44, 695-700.	2.2	5
24	Optical reproduction of sounds from old phonographic wax cylinders. , 1997, , .		5
25	Multifractal analysis of speckle intensities produced by power-law illumination of diffusers. <i>Journal of Modern Optics</i> , 2007, 54, 1511-1528.	1.3	5
26	Computer-generated holograms for producing fractal speckles. <i>Optical Review</i> , 2010, 17, 191-194.	2.0	5
27	Surface-enhanced Raman scattering active substrates by liquid flame spray deposited and inkjet printed silver nanoparticles. <i>Optical Review</i> , 2014, 21, 339-344.	2.0	5
28	Reproduction of sound from old disks by the laser diffraction method. <i>Applied Optics</i> , 1988, 27, 2671.	2.1	4
29	Estimation Errors of Component Spectra Estimated by Means of the Concentration-Spectrum Correlation: Part I. <i>Applied Spectroscopy</i> , 1989, 43, 74-80.	2.2	4
30	Fraunhofer diffraction by gratings with scaling fluctuations. <i>Optics Communications</i> , 1996, 130, 122-130.	2.1	4
31	<title>Fractality of optical fields scattered by power-law-illuminated diffusers</title>. , 2002, , .		4
32	Super focusing of optical beams. <i>Journal of Optics</i> , 2007, 9, 777-786.	1.5	4
33	Phase retrieval of reflectance for nanoparticle optical identification. <i>Optics Letters</i> , 2012, 37, 2202.	3.3	4
34	Statistics of Gaussian Speckles with Enhanced Fluctuations. <i>Optical Review</i> , 1995, 2, 174-180.	2.0	3
35	<title>Generation and properties of laser speckle with long correlation tails</title>. , 2002, 4705, 95.		3
36	Scaling reduction of the contrast of fractal speckles detected with a finite aperture. <i>Optics Communications</i> , 2008, 281, 543-549.	2.1	3

#	ARTICLE	IF	CITATIONS
37	Optical diffraction by regular and random Koch fractals. , 1990, 1319, 11.		2
38	<title>Light scattering from fractal random media</title>. , 2001, , .		2
39	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
40	Phase statistics of the speckle produced by power-law illuminated diffusers. , 2003, 4829, 609.		2
41	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
42	Optical evaluation of fractal surfaces using array illumination. Optics Communications, 1997, 134, 264-272.	2.1	1
43	Optical evaluation of fractality of rough surfaces using fractal illumination. Optics Communications, 1999, 166, 163-171.	2.1	1
44	Fractal Roughness Retrieval by Integrated Wavelet Transform. Optical Review, 1999, 6, 293-301.	2.0	1
45	Generating random fractal fields by double-scattering process. , 1999, , .		1
46	Effects of clipping threshold on the scaling property of clipped fractal speckle intensities. Journal of Optics, 2008, 10, 025004.	1.5	1
47	Effects of threshold on multiple-target detection by using a modified amplitude-modulated joint transform correlator. Optical Engineering, 2008, 47, 017206.	1.0	1
48	Fractality of biospeckle pattern observed in blood coagulation process. , 2018, , .		1
49	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
50	<title>Method for evaluating displacement of objects using the Wigner distribution function</title>. , 1991, , .		0
51	<title>Numerical analysis of enhanced backscattering from random fractal media</title>. , 1999, , .		0
52	<title>Fractal speckles in diffraction regions and image plane</title>. , 1999, 3749, 322.		0
53	<title>Angular correlation properties of multiply scattered light in random media with buried objects</title>. , 1999, , .		0
54	STUDY ON DISCRIMINATION OF WINTER PAVEMENT CONDITIONS BY WAVELET ANALYSIS. Journal of Pavement Engineering Jsce, 2002, 7, 14p1-14p8.	0.0	0

#	ARTICLE	IF	CITATIONS
55	Optical Identification of Dielectric and Metallic Nanoparticle Colloids. , 2013, , .		0
56	A Life with Light, Statistics and Differintegrals. NIR News, 2016, 27, 12-14.	0.3	0
57	Study on Reproduction of Sound from Old Wax Phonograph Cylinders Using the Laser. , 2000, , 14-19.		0
58	Determination of Fat Content in Meats by Near-infrared Reflectance Spectroscopy. Journal of Japan Oil Chemists Society, 1985, 34, 257-261.	0.1	0
59	Applications of Nondestructive Analysis. Journal of Japan Oil Chemists Society, 1983, 32, 634-641.	0.1	0