

# Hideki Fujiwara

## List of Publications by Year in descending order

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75  
papers

1,254  
citations

304743

22  
h-index

395702

33  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled optical manipulation and sorting of nanomaterials enabled by photonic and plasmonic nanodevices. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 52, 100534.	11.6	4
2	Optical selection and sorting of nanoparticles according to quantum mechanical properties. <i>Science Advances</i> , 2021, 7, .	10.3	36
3	Development of magnetic responsive random lasers fabricated by a laser-induced surface roughness. <i>Applied Physics Letters</i> , 2021, 119, 041105.	3.3	2
4	Spinâ€œOrbit Angular-Momentum Transfer from a Nanogap Surface Plasmon to a Trapped Nanodiamond. <i>Nano Letters</i> , 2021, 21, 6268-6273.	9.1	19
5	Localized ZnO Growth on a Gold Nanoantenna by Plasmon-Assisted Hydrothermal Synthesis. <i>Nano Letters</i> , 2020, 20, 389-394.	9.1	16
6	Multicolour photochromic fluorescence of a fluorophore encapsulated in a metalâ€œorganic framework. <i>Chemical Communications</i> , 2020, 56, 9651-9654.	4.1	8
7	Proposed method for highly selective resonant optical manipulation using counter-propagating light waves. <i>Nanophotonics</i> , 2020, 9, 3335-3345.	6.0	8
8	Photothermal energy conversion in plasmonic nano gap antennas: application to localized ZnO growth for nanophotonics. , 2020, , .		0
9	Magnetic response of random lasing modes in a ZnO nanoparticle film deposited on a NiFe thin film. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	3
10	Stabilizer-Concentration Effects on the Size of Gold Submicrometer-Sized Spherical Particles Prepared Using Laser-Induced Agglomeration and Melting of Colloidal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21659-21666.	3.1	19
11	Amplified spontaneous emission from a surface-modified GaN film fabricated under pulsed intense UV laser irradiation. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	15
12	White light induced photo-thermal switching in a graphene-flake-mixed ZnO nanoparticle random laser. <i>Journal of Physics Communications</i> , 2018, 2, 035022.	1.2	9
13	Nanoparticle manipulation using a tapered fiber. , 2018, , .		0
14	Double threshold behavior in a resonance-controlled ZnO random laser. <i>APL Photonics</i> , 2017, 2, .	5.7	20
15	Localized field control at the nano-scale. , 2017, , .		0
16	Toward single-mode random lasing within a submicrometre-sized spherical ZnO particle film. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 035202.	2.2	18
17	ZnO nanorod array random lasers fabricated by a laser-induced hydrothermal synthesis. <i>New Journal of Physics</i> , 2016, 18, 103046.	2.9	40
18	Detailed Observation of Multiphoton Emission Enhancement from a Single Colloidal Quantum Dot Using a Silver-Coated AFM Tip. <i>Nano Letters</i> , 2016, 16, 5770-5778.	9.1	36

#	ARTICLE	IF	CITATIONS
19	Realization of Low Threshold ZnO Nanorod Array Random Lasers Using a Laser-Induced Hydrothermal Synthesis. , 2016, , .		1
20	White Light Induced Mode Switching in a Graphene Flake Mixed ZnO Random Laser. , 2016, , .		0
21	Annealing temperature dependence of random lasing properties in a diamond nanoparticle film. Proceedings of SPIE, 2015, , .	0.8	0
22	Two-photon excited fluorescence from a pseudoisocyanine-attached gold tip via a plasmonic-photonic hybrid system. Optics Express, 2015, 23, 21730.	3.4	2
23	Nanoscale Color Sorting of Surface Plasmons in a Double-Nanogap Structure with Multipolar Plasmon Excitation. Nano Letters, 2015, 15, 7086-7090.	9.1	21
24	Double threshold behavior in a resonance-controlled ZnO random laser. , 2015, , .		0
25	Origins of lasing emission in a resonance-controlled ZnO random laser. New Journal of Physics, 2014, 16, 093054.	2.9	18
26	Analysis of Trap-State Dynamics of Single CdSe/ZnS Quantum Dots on a TiO <sub>2</sub> Substrate with Different Nb Concentrations. Journal of Physical Chemistry C, 2014, 118, 20571-20575.	3.1	10
27	Tunable Raman Selectivity via Randomization of a Rectangular Pattern of Nanodisks. ACS Photonics, 2014, 1, 1006-1012.	6.6	16
28	Ultraviolet random lasing from a diamond nanoparticle film. Applied Physics Letters, 2014, 105, 011112.	3.3	4
29	Efficient optical coupling into a single plasmonic nanostructure using a fiber-coupled microspherical cavity. Physical Review A, 2014, 89, .	2.5	10
30	Realization of single-mode random lasing within a zinc oxide nanoparticle film. , 2013, , .		0
31	Direct imaging of localized fields in a gold nanostructure using a scattering-type near-field microscope. , 2013, , .		0
32	Analysis of Trap State Dynamics of Single CdSe/ZnS Quantum Dots on an Indium Tin Oxide Thin Film with Applying External Electric Field. Journal of Physical Chemistry C, 2013, 117, 2507-2510.	3.1	6
33	Randomization of gold nano-brick arrays: a tool for SERS enhancement. Optics Express, 2013, 21, 13502.	3.4	53
34	Quasi-single-mode random lasing within a ZnO nanoparticle film. , 2013, , .		1
35	Two-photon excited fluorescence from a pseudoisocyanine-attached gold-coated tip via a thin tapered fiber under a weak continuous wave excitation. Optics Express, 2013, 21, 27759.	3.4	7
36	Low-threshold and quasi-single-mode random laser within a submicrometer-sized ZnO spherical particle film. Applied Physics Letters, 2013, 102, .	3.3	62

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37	Fabrication of spherical-shaped submicron particles of ZnO using laser-induced melting of submicron-sized source materials. , 2013, , .		0
38	Nonlinear phenomena from a PIC-attached gold tip using a plasmonic-whispering gallery mode hybrid system. Proceedings of SPIE, 2013, , .	0.8	1
39	Fabrication of Spherical-Shaped Submicron Particles of ZnO Using Laser-induced Melting of Submicron-sized Source Materials. Journal of Laser Micro Nanoengineering, 2013, 8, 292-295.	0.1	20
40	Second harmonic generation from the top of an Au-coated tip via a tapered fiber coupled microsphere resonator. , 2012, , .		4
41	Experimental evaluation of diffusion constant in a thin polymer film by triplet lifetime analysis of single molecules. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 238, 24-28.	3.9	0
42	Quantum lithography under imperfect conditions: effects of loss and dephasing on two-photon interference fringes. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 422.	2.1	1
43	Fano-like resonance in an optically driven atomic force microscope cantilever. Optics Express, 2011, 19, 2317.	3.4	7
44	Observation of Autler-Townes splitting in six-wave mixing. Optics Express, 2011, 19, 7726.	3.4	39
45	Temporal response analysis of trap states of single CdSe/ZnS quantum dots on a thin metal substrate. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 160-163.	3.9	8
46	Analysis of photothermally induced vibration in metal coated AFM cantilever. , 2010, , .		1
47	Numerical Analysis of Random Lasing Properties of a Waveguide Defect within a Random Structure. Japanese Journal of Applied Physics, 2010, 49, 112002.	1.5	6
48	Nonlinear optical phase shift obtained from two-level atoms confined in a planar microcavity. Journal of Applied Physics, 2010, 107, 054310.	2.5	0
49	Direct Observation of Localized Fields in Nanogaps between Metal Particles Using a Scattering-Type Near-Field Microscope. Applied Physics Express, 2009, 2, 102002.	2.4	4
50	Lasing with well-defined cavity modes in dye-infiltrated silica inverse opals. Optics Express, 2009, 17, 2976.	3.4	18
51	Numerical analysis of resonant and lasing properties at a defect region within a random structure. Optics Express, 2009, 17, 3970.	3.4	27
52	Numerical analysis of resonant properties of a waveguide structure within a random medium. Optics Express, 2009, 17, 10522.	3.4	8
53	Dynamical Analysis of Triplet Lifetime of Single Molecules by a Photon Interdetection Time Analysis Method. Journal of Physical Chemistry C, 2009, 113, 11652-11656.	3.1	2
54	Control of spontaneous emission coupling factor $\hat{\Gamma}^2$ in fiber-coupled microsphere resonators. Applied Physics Letters, 2008, 92, 071115.	3.3	27

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55	Investigation of the Spatial Propagation Properties of Type-I Parametric Fluorescence by Use of Tuning Curve Filtering Method. Japanese Journal of Applied Physics, 2007, 46, 5802-5808.	1.5	1
56	Numerical analysis of spatial propagation of parametric fluorescence photon pairs using the tuning-curve filtering method. Physical Review A, 2007, 75, .	2.5	1
57	Fiber-microsphere laser with a submicrometer sol-gel silica glass layer codoped with erbium, aluminum, and phosphorus. Applied Physics Letters, 2007, 90, 101103.	3.3	23
58	Quantum interference fringes beating the diffraction limit. Optics Express, 2007, 15, 14244.	3.4	43
59	Observation of optical bistability in a ZnO powder random medium. Applied Physics Letters, 2006, 89, 071115.	3.3	9
60	Analysis of Quantum Dot Fluorescence Coupled with a Microsphere Resonator. Japanese Journal of Applied Physics, 2006, 45, 6917-6921.	1.5	1
61	Polarization-discriminated spectra of a fiber-microsphere system. Applied Physics Letters, 2006, 89, 121107.	3.3	36
62	Enhancement of Förster Energy Transfer within a Microspherical Cavity. ChemPhysChem, 2005, 6, 2410-2416.	2.1	24
63	Rapid Swelling/Collapsing Behavior of Thermoresponsive Poly(N-isopropylacrylamide) Gel Containing Poly(2-(methacryloyloxy)decyl phosphate) Surfactant. Angewandte Chemie - International Edition, 2005, 44, 1951-1954.	13.8	41
64	Fano resonance in a multimode tapered fiber coupled with a microspherical cavity. Applied Physics Letters, 2005, 86, 261106.	3.3	78
65	Observation of the discrete transition of optically trapped particle position in the vicinity of an interface. Applied Physics Letters, 2004, 84, 13-15.	3.3	32
66	Resonant Frequency Control of a Microspherical Cavity by Temperature Adjustment. Japanese Journal of Applied Physics, 2004, 43, 6138-6141.	1.5	32
67	Observation of Upconversion Lasing within a Thulium-Ion-Doped Glass Powder Film Containing Titanium Dioxide Particles. Japanese Journal of Applied Physics, 2004, 43, L1337-L1339.	1.5	13
68	Microspherical Lasing of an Erbium-Ion-Doped Glass Particle. Japanese Journal of Applied Physics, 2002, 41, L46-L48.	1.5	7
69	Influence of Structural and Rotational Isomerism on the Triplet Blinking of Individual Dendrimer Molecules. Angewandte Chemie - International Edition, 2001, 40, 4643-4648.	13.8	68
70	Lasing of a Microsphere in Dye Solution. Japanese Journal of Applied Physics, 1999, 38, 5101-5104.	1.5	25
71	Upconversion lasing of a thulium-ion-doped fluorozirconate glass microsphere. Journal of Applied Physics, 1999, 86, 2385-2388.	2.5	50
72	Pyrene fluorescence dynamics within a polymer microspherical cavity. Journal of Applied Physics, 1999, 85, 2052-2056.	2.5	22

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73	Photothermal fixation of laser-trapped polymer microparticles on polymer substrates. Applied Physics Letters, 1999, 75, 1506-1508.	3.3	50
74	Optical manipulation of a lasing microparticle and its application to near-field microspectroscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 2786.	1.6	28
75	Photon tunneling from an optically manipulated microsphere to a surface by lasing spectral analysis. Applied Physics Letters, 1997, 70, 2647-2649.	3.3	33