

Satoshi Kawata

List of Publications by Year in descending order

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230
papers

20,190
citations

14614

66
h-index

10424

139
g-index

233
all docs

233
docs citations

233
times ranked

14520
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphoton-Excited Deep-Ultraviolet Photolithography for 3D Nanofabrication. ACS Applied Nano Materials, 2020, 3, 11434-11441.	2.4	16
2	Dynamic pH measurements of intracellular pathways using nano-plasmonic assemblies. Analyst, The, 2020, 145, 5768-5775.	1.7	14
3	Surface-Plasmon Holography. IScience, 2020, 23, 101879.	1.9	5
4	Direct visualization of an antidepressant analog using surface-enhanced Raman scattering in the brain. JCI Insight, 2020, 5, .	2.3	11
5	Crack engineering for the construction of arbitrary hierarchical architectures. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23909-23914.	3.3	34
6	Quantitative Evaluation of Surface-Enhanced Raman Scattering Nanoparticles for Intracellular pH Sensing at a Single Particle Level. Analytical Chemistry, 2019, 91, 3254-3262.	3.2	57
7	Correlative force and tip-enhanced Raman microscopy. APL Photonics, 2019, 4, 021301.	3.0	0
8	Deep-ultraviolet Biomolecular Imaging and Analysis. Advanced Optical Materials, 2019, 7, 1801099.	3.6	39
9	Deep-ultraviolet Raman scattering spectroscopy of monolayer WS ₂ . Scientific Reports, 2018, 8, 11398.	1.6	15
10	Optical 3D Nano-fabrication: Drawing or Growing? (Conference Presentation). , 2017, , .		0
11	Tip-enhanced Raman spectroscopy “from early developments to recent advances. Chemical Society Reviews, 2017, 46, 4077-4110.	18.7	185
12	Nano-Raman Scattering Microscopy: Resolution and Enhancement. Chemical Reviews, 2017, 117, 4983-5001.	23.0	80
13	Au-Protected Ag Core/Satellite Nanoassemblies for Excellent Extra-/Intracellular Surface-Enhanced Raman Scattering Activity. ACS Applied Materials & Interfaces, 2017, 9, 44027-44037.	4.0	23
14	Invited Article: Plasmonic growth of patterned metamaterials with fractal geometry. APL Photonics, 2016, 1, .	3.0	11
15	Alkyne-Tag SERS Screening and Identification of Small-Molecule-Binding Sites in Protein. Journal of the American Chemical Society, 2016, 138, 13901-13910.	6.6	76
16	3D nano-fabrication of metallic nano-structures. , 2016, , .		0
17	Ultrasmall all-optical plasmonic switch and its application to superresolution imaging. Scientific Reports, 2016, 6, 24293.	1.6	45
18	Deep-UV biological imaging by lanthanide ion molecular protection. Biomedical Optics Express, 2016, 7, 158.	1.5	29

#	ARTICLE	IF	CITATIONS
19	Temperature-dependent Photodegradation in UV-resonance Raman Spectroscopy. <i>Analytical Sciences</i> , 2015, 31, 451-454.	0.8	3
20	Super-Spatial- and -Spectral-Resolution in Vibrational Imaging via Saturated Coherent Anti-Stokes Raman Scattering. <i>Physical Review Applied</i> , 2015, 4, .	1.5	33
21	Structured line illumination Raman microscopy. <i>Nature Communications</i> , 2015, 6, 10095.	5.8	90
22	Visualizing the appearance and disappearance of the attractor of differentiation using Raman spectral imaging. <i>Scientific Reports</i> , 2015, 5, 11358.	1.6	19
23	Size dependent nanomechanics of coil spring shaped polymer nanowires. <i>Scientific Reports</i> , 2015, 5, 17152.	1.6	22
24	Analysis of dynamic SERS spectra measured with a nanoparticle during intracellular transportation in 3D. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 114023.	1.0	22
25	Dual-€polarization Raman spectral imaging to extract overlapping molecular fingerprints of living cells. <i>Journal of Biophotonics</i> , 2015, 8, 546-554.	1.1	16
26	Raman spectroscopic detection of bio-active small molecules using alkyne tag. , 2015, , .		0
27	Superhydrophobic SERS Substrates Based on Silver-Coated Reduced Graphene Oxide Gratings Prepared by Two-Beam Laser Interference. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27059-27065.	4.0	38
28	Superresolution imaging based on nonlinearities of plasmonic scattering. , 2015, , .		0
29	A sensitive and specific Raman probe based on bisarylbutadiyne for live cell imaging of mitochondria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 664-667.	1.0	48
30	Time-lapse Raman imaging of osteoblast differentiation. <i>Scientific Reports</i> , 2015, 5, 12529.	1.6	44
31	Anomalous lattice vibrations of monolayer MoS ₂ probed by ultraviolet Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14561-14568.	1.3	36
32	Optical antennas for tunable enhancement in tip-enhanced Raman spectroscopy imaging. <i>Applied Physics Express</i> , 2015, 8, 032401.	1.1	56
33	Chirality-Selective Optical Scattering Force on Single-Walled Carbon Nanotubes. <i>Physical Review Applied</i> , 2015, 3, .	1.5	30
34	Optical antennas with multiple plasmonic nanoparticles for tip-enhanced Raman microscopy. <i>Nanoscale</i> , 2015, 7, 17424-17433.	2.8	79
35	Visible-wavelength two-photon excitation microscopy for fluorescent protein imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	21
36	Deep-ultraviolet Raman scattering studies of monolayer graphene thin films. <i>Carbon</i> , 2015, 81, 807-813.	5.4	28

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37	Introduction to FUV and DUV Spectroscopy. , 2015, , 1-16.		2
38	Visualizing Cell State Transition Using Raman Spectroscopy. PLoS ONE, 2014, 9, e84478.	1.1	85
39	Macroscopic Ensembles of Aligned Carbon Nanotubes in Bubble Imprints Studied by Polarized Raman Microscopy. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	0
40	Plasmon-enhanced UV photocatalysis. Applied Physics Letters, 2014, 104, .	1.5	78
41	A 1.7-Å resolution chemical analysis of carbon nanotubes by tip-enhanced Raman imaging in the ambient. Nature Communications, 2014, 5, 3312.	5.8	238
42	Measurement of a Saturated Emission of Optical Radiation from Gold Nanoparticles: Application to an Ultrahigh Resolution Microscope. Physical Review Letters, 2014, 112, 017402.	2.9	87
43	Simultaneous imaging of protonated and deprotonated carbonylcyanide p-trifluoromethoxyphenylhydrazone in live cells by Raman microscopy. Chemical Communications, 2014, 50, 1341-1343.	2.2	45
44	Direct Laser Writing of 3D Architectures of Aligned Carbon Nanotubes. Advanced Materials, 2014, 26, 5653-5657.	11.1	58
45	Nanomovement of Azo Polymers Induced by Longitudinal Fields. ACS Photonics, 2014, 1, 190-197.	3.2	39
46	Saturation and Reverse Saturation of Scattering in a Single Plasmonic Nanoparticle. ACS Photonics, 2014, 1, 32-37.	3.2	52
47	3D SERS (surface enhanced Raman scattering) imaging of intracellular pathways. Methods, 2014, 68, 348-353.	1.9	39
48	Indium for Deep-Ultraviolet Surface-Enhanced Resonance Raman Scattering. ACS Photonics, 2014, 1, 598-603.	3.2	67
49	Laser nanofabrication in photoresists and azopolymers. Laser and Photonics Reviews, 2014, 8, 1-26.	4.4	87
50	3D microfabrication of single-wall carbon nanotube/polymer composites by two-photon polymerization lithography. Carbon, 2013, 59, 283-288.	5.4	79
51	Tip-enhanced nano-Raman analytical imaging of locally induced strain distribution in carbon nanotubes. Nature Communications, 2013, 4, 2592.	5.8	117
52	Surface enhanced Raman scattering (SERS) imaging of intracellular transportation in 3D. , 2013, , .		0
53	Raman and SERS microscopy for molecular imaging of live cells. Nature Protocols, 2013, 8, 677-692.	5.5	304
54	Two photon polymerization lithography for 3D microfabrication of single wall carbon nanotube/polymer composites. , 2013, , .		2

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55	Plasmonics: Future Outlook. Japanese Journal of Applied Physics, 2013, 52, 010001.	0.8	44
56	Saturated excitation of fluorescent proteins for subdiffraction-limited imaging of living cells in three dimensions. Interface Focus, 2013, 3, 20130007.	1.5	10
57	Far-field free tapping-mode tip-enhanced Raman microscopy. Applied Physics Letters, 2013, 102, .	1.5	35
58	Saturable scattering and its application to superresolution microscopy. , 2013, , .		0
59	Plasmon saturation induced super-resolution imaging. , 2013, , .		1
60	Deep ultraviolet resonant Raman imaging of a cell. Journal of Biomedical Optics, 2012, 17, 0760011.	1.4	49
61	Femtosecond laser fabrication of gold nanorod/polymer composite microstructures. , 2012, , .		1
62	Tailoring plasmon resonances in the deep-ultraviolet by size-tunable fabrication of aluminum nanostructures. Applied Physics Letters, 2012, 101, 081110.	1.5	133
63	Label-free Raman observation of cytochrome c dynamics during apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 28-32.	3.3	399
64	Alkyne-Tag Raman Imaging for Visualization of Mobile Small Molecules in Live Cells. Journal of the American Chemical Society, 2012, 134, 20681-20689.	6.6	370
65	C _{2v} symmetrical two-photon polymerization initiators with anthracene core: synthesis, optical and initiating properties. Physical Chemistry Chemical Physics, 2012, 14, 15785.	1.3	22
66	Tunable plasmon resonances in a metallic nanotipâ€‘film system. Nanoscale, 2012, 4, 5931.	2.8	23
67	Highly reproducible tipâ€‘enhanced Raman scattering using an oxidized and metallized silicon cantilever tip as a tool for everyone. Journal of Raman Spectroscopy, 2012, 43, 1177-1182.	1.2	64
68	Molecular orientation analysis of organic thin films by <i>z</i> -polarization Raman microscope. Journal of Raman Spectroscopy, 2012, 43, 2029-2034.	1.2	30
69	Tipâ€‘enhanced broadband CARS spectroscopy and imaging using a photonic crystal fiber based broadband light source. Journal of Raman Spectroscopy, 2012, 43, 656-661.	1.2	36
70	Plasmonic resonance enhancement of single gold nanorod in two-photon photopolymerization for fabrication of polymer/metal nanocomposites. Applied Physics A: Materials Science and Processing, 2012, 106, 773-778.	1.1	8
71	Optical control of cell functions: Using laser light to remote control signalling, contraction and action potentials in living cells. , 2011, , .		0
72	Slit-scanning confocal Raman microscopy: Practical applications in live cell imaging. , 2011, , .		0

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73	Single-, two-, and multi-photon driven molecular motion and nanopatterning in azo-polymer films. , 2011, , .		0
74	Dynamic SERS Imaging of Cellular Transport Pathways with Endocytosed Gold Nanoparticles. Nano Letters, 2011, 11, 5344-5348.	4.5	216
75	Two-Photon Excited Fluorescence and Second-Harmonic Generation of the DAST Organic Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 8988-8993.	1.5	40
76	Deep UV resonant Raman spectroscopy for photodamage characterization in cells. Biomedical Optics Express, 2011, 2, 927.	1.5	44
77	Laser fabrication of Au nanorod aggregates microstructures assisted by two-photon polymerization. Optics Express, 2011, 19, 22786.	1.7	44
78	1N1312 Time-resolved Raman imaging of malarial hemozoin(Bioimaging 1,The 49th Annual Meeting of the) Tj ETQq0.0 0 rgBJ /Overlock	0.0	0
79	Tip-enhanced Raman spectroscopy at elevated temperatures. Journal of Raman Spectroscopy, 2011, 42, 992-997.	1.2	11
80	Photo-polymerizable gold nanorods / methyl methacrylate composite for plasmonic optical application. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	0
81	Two-beam multiplexed CARS based on a broadband oscillator. Journal of Raman Spectroscopy, 2010, 41, 840-847.	1.2	6
82	Tip-enhanced Near-field Raman Spectroscopy of Graphite Thin Layers. , 2010, , .		0
83	TERS in the Sub-Nanometric Vicinity of a Metallic Tip. , 2010, , .		0
84	Tip-Pressurized Near-Field Raman Microscopy: a Breakthrough Towards Molecular Resolution. , 2010, , .		0
85	Dynamic Raman-SERS Imaging of Living Cells by Slit-Scanning Microscopy. AIP Conference Proceedings, 2010, , .	0.3	1
86	Experimental Identification of Chemical Effects in Surface Enhanced Raman Scattering of 4-Aminothiophenol. , 2010, , .		0
87	Near-Field Raman Microscopy for Nanometric Observation. Seibutsu Butsuri, 2010, 50, 300-301.	0.0	0
88	Photonic quasicrystals exhibit zero-transmission regions due to translational arrangement of constituent parts. Physical Review B, 2009, 79, .	1.1	24
89	Nanoimaging: Plamonics and beyond the plasmonics. , 2009, , .		0
90	Subnanometric Near-Field Raman Investigation in the Vicinity of a Metallic Nanostructure. Physical Review Letters, 2009, 102, 186101.	2.9	103

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91	Size-Dependent Mechanical Properties of Polymer-nanowires Fabricated by Two-photon Lithography. Materials Research Society Symposia Proceedings, 2009, 1224, 1.	0.1	0
92	Halide-ion-assisted increase of surface-enhanced hyper-Raman scattering: a clear observation of the chemical effect. Journal of Raman Spectroscopy, 2009, 40, 119-120.	1.2	8
93	Deep-UV tip-enhanced Raman scattering. Journal of Raman Spectroscopy, 2009, 40, 1324-1330.	1.2	165
94	Nano-scale analysis of graphene layers by tip-enhanced near-field Raman spectroscopy. Journal of Raman Spectroscopy, 2009, 40, 1434-1440.	1.2	95
95	Morphology and size dependence of silver microstructures in fatty salts-assisted multiphoton photoreduction microfabrication. Applied Physics A: Materials Science and Processing, 2009, 96, 453-458.	1.1	34
96	3D Metallic Nanostructure Fabrication by Surfactant-Assisted Multiphoton-Induced Reduction. Small, 2009, 5, 1144-1148.	5.2	212
97	Plasmonics for near-field nano-imaging and superlensing. Nature Photonics, 2009, 3, 388-394.	15.6	705
98	Pressure-assisted tip-enhanced Raman imaging at a resolution of a few nanometres. Nature Photonics, 2009, 3, 473-477.	15.6	192
99	Size-dependent behaviors of femtosecond laser-prototyped polymer micronanowires. Optics Letters, 2009, 34, 566.	1.7	27
100	Controlling the plasmon resonance wavelength in metal-coated probe using refractive index modification. Optics Express, 2009, 17, 6509.	1.7	57
101	Multi-focus excitation coherent anti-Stokes Raman scattering (CARS) microscopy and its applications for real-time imaging. Optics Express, 2009, 17, 9526.	1.7	52
102	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. Journal of Physical Chemistry C, 2009, 113, 11816-11821.	1.5	72
103	Dual photonic band gap and reversible tuning of 3D photonic crystal fabricated by multiphoton polymerization with a photoresponsive polymer. Applied Physics A: Materials Science and Processing, 2008, 93, 393-398.	1.1	9
104	Optical polarizer made of uniaxially aligned short single-wall carbon nanotubes embedded in a polymer film. Physical Review B, 2008, 77, .	1.1	62
105	Subwavelength colour imaging with a metallic nanolens. Nature Photonics, 2008, 2, 438-442.	15.6	206
106	Two- and three-dimensional micro/nanostructure patterning of CdS-polymer nanocomposites with a laser interference technique and <i>in situ</i> synthesis. Nanotechnology, 2008, 19, 035611.	1.3	33
107	Metal-nanoshelled three-dimensional photonic lattices. Optics Letters, 2008, 33, 1999.	1.7	20
108	Two-photon induced polymer nanomovement. Optics Express, 2008, 16, 14106.	1.7	36

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109	Size Dependence of Transition Temperature in Polymer Nanowires. Journal of Physical Chemistry B, 2008, 112, 3586-3589.	1.2	19
110	Raman microscopy for dynamic molecular imaging of living cells. Journal of Biomedical Optics, 2008, 13, 1.	1.4	258
111	Construction of Two Color Semiconductor Quantum Dots Wire by utilizing the complementarity of DNA. AIP Conference Proceedings, 2008, , .	0.3	0
112	Highly efficient tip-enhanced Raman spectroscopy and microscopy of strained silicon. Review of Scientific Instruments, 2008, 79, 013706.	0.6	34
113	Temperature effects on pinpoint photopolymerization and polymerized micronanostructures. Applied Physics Letters, 2008, 92, 041902.	1.5	34
114	Nanophotonics; walking beyond the classical limits of light. , 2008, , .		0
115	1P-335 An optical pacemaker for heart muscle cells(The 46th Annual Meeting of the Biophysical Society) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
116	New Trends in Plasmonics for New Optical Devices. The Review of Laser Engineering, 2008, 36, 111-116.	0.0	0
117	2P-325 Formation of gold nanoparticles in living cells by reduction of gold ion solution(The 46th) Tj ETQq1 1 0.784314 rgBT /Overlock	0.0	0
118	Plasmonic Metamaterials for Photon Control Device. , 2007, , .		0
119	Giant elasticity of photopolymer nanowires. Applied Physics Letters, 2007, 91, .	1.5	38
120	Three-dimensional metal microfabrication technique by using two-photon reduction. , 2007, , .		0
121	Raman, CARS and near-field Raman-CARS microscopy for cellular and molecular imaging. Handai Nanophotonics, 2007, 3, 57-71.	0.0	0
122	3P304 Surface enhanced Raman spectroscopy of living cells with gold nanoparticles(Bioimaging. The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0
123	3P303 Tip enhanced Raman spectroscopy for nano-analysis of biomolecules(Bioimaging. The genesis of) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
124	Design of high efficiency for two-photon polymerization initiator: combination of radical stabilization and large two-photon cross-section achieved by N-benzyl 3,6-bis(phenylethynyl)carbazole derivatives. Journal of Materials Chemistry, 2007, 17, 1433.	6.7	53
125	Improving spatial resolution of two-photon microfabrication by using photoinitiator with high initiating efficiency. Applied Physics Letters, 2007, 90, 131106.	1.5	194
126	Nanoanalysis of crystalline properties of GaN thin film using tip-enhanced Raman spectroscopy. Applied Physics Letters, 2007, 90, 061906.	1.5	46

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127	Tip-enhanced Raman spectroscopy with atomic site-selective sensitivity. , 2007, , .		0
128	Carbazole-based 1D and 2D hemicyanines: synthesis, two-photon absorption properties and application for two-photon photopolymerization 3D lithography. New Journal of Chemistry, 2007, 31, 63-68.	1.4	44
129	Visualization of localized strain of a crystalline thin layer at the nanoscale by tip-enhanced Raman spectroscopy and microscopy. Journal of Raman Spectroscopy, 2007, 38, 684-696.	1.2	78
130	Synthesis, optical and initiating properties of new two-photon polymerization initiators: 2,7-Bis(styryl)anthraquinone derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 398-404.	2.0	36
131	Near-field effects in tip-enhanced Raman scattering. , 2007, , 87-113.		1
132	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. Advances in Polymer Science, 2006, , 169-273.	0.4	261
133	Selective electroless plating to fabricate complex three-dimensional metallic micro/nanostructures. Applied Physics Letters, 2006, 88, 083110.	1.5	98
134	Nanoscale Uniaxial Pressure Effect of a Carbon Nanotube Bundle on Tip-Enhanced Near-Field Raman Spectra. Nano Letters, 2006, 6, 1269-1273.	4.5	99
135	Photo-orientation by multiphoton photoselection. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 868.	0.9	27
136	Towards atomic site-selective sensitivity in tip-enhanced Raman spectroscopy. Journal of Chemical Physics, 2006, 125, 244706.	1.2	75
137	Vibrational Analysis of Organic Molecules Encapsulated in Carbon Nanotubes by Tip-Enhanced Raman Spectroscopy. Japanese Journal of Applied Physics, 2006, 45, 9286-9289.	0.8	26
138	Photopolymerization and Metalization for Fabricating Functional Devices and Metamaterials. Materials Research Society Symposia Proceedings, 2006, 921, 1.	0.1	0
139	Three-dimensional fabrication of metallic micro/nanostructures by two-photon polymerization for metamaterials. , 2006, , .		3
140	Two-photon-induced reduction of metal ions for fabricating three-dimensional electrically conductive metallic microstructure. Applied Physics Letters, 2006, 88, 081107.	1.5	216
141	Diameter-selective near-field Raman analysis and imaging of isolated carbon nanotube bundles. Applied Physics Letters, 2006, 88, 093125.	1.5	58
142	Near-field Raman scattering investigation of tip effects on C ₆₀ molecules. Physical Review B, 2006, 73, .	1.1	75
143	Ordering of azobenzenes by two-photon isomerization. Journal of Chemical Physics, 2006, 125, 164718.	1.2	28
144	Improvement in the reduction of silver ions in aqueous solution using two-photon sensitive dye. Applied Physics Letters, 2006, 89, 113102.	1.5	103

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145	Chapter 3 Near-field effects in tip-enhanced Raman scattering. <i>Advances in Nano-optics and Nano-photonics</i> , 2006, , 87-113.	0.0	1
146	Negative permeability of split ring resonator in the optical frequency region. , 2005, , .		0
147	Tip-enhanced Near-field Raman Spectroscopy for Nano-imaging. <i>Hyomen Kagaku</i> , 2005, 26, 667-674.	0.0	0
148	Time-gated imaging for multifocus second-harmonic generation microscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 073704.	0.6	5
149	Rupture force measurement of biotin-streptavidin bonds using optical trapping. <i>Applied Physics Letters</i> , 2005, 87, 043901.	1.5	26
150	Multiple-spot parallel processing for laser micronanofabrication. <i>Applied Physics Letters</i> , 2005, 86, 044102.	1.5	245
151	Direct laser writing defects in holographic lithography-created photonic lattices. <i>Optics Letters</i> , 2005, 30, 881.	1.7	27
152	Improved spatial resolution and surface roughness in photopolymerization-based laser nanowriting. <i>Applied Physics Letters</i> , 2005, 86, 071122.	1.5	192
153	Creation of a Micro-Nanoworld with Photons. <i>Seikei-Kakou</i> , 2005, 17, 524-527.	0.0	0
154	Near-field infrared imaging of molecular changes in cholesteryl oleate by free electron laser infrared ablation. <i>Journal of Applied Physics</i> , 2004, 95, 334-338.	1.1	13
155	TWO-PHOTON ABSORBING PHENYLENEVINYLENE DERIVATIVE HAVING SILYLOXY MOIETIES IN DONOR UNITS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 467-474.	1.1	5
156	Two-photon polymerization of metal ions doped acrylate monomers and oligomers for three-dimensional structure fabrication. <i>Thin Solid Films</i> , 2004, 453-454, 518-521.	0.8	82
157	Towards plasmonic band gap laser. <i>Applied Physics Letters</i> , 2004, 85, 3968-3970.	1.5	102
158	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 424, 35-41.	0.4	14
159	Application of tip-enhanced microscopy for nonlinear Raman spectroscopy. <i>Applied Physics Letters</i> , 2004, 84, 1768-1770.	1.5	61
160	Tip-Enhanced Coherent Anti-Stokes Raman Scattering for Vibrational Nanoimaging. <i>Physical Review Letters</i> , 2004, 92, 220801.	2.9	380
161	Detection and characterization of longitudinal field for tip-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2004, 85, 6239-6241.	1.5	244
162	Submicron resolution infrared microscopy by use of a near-field scanning optical microscope with an apertured cantilever. <i>Review of Scientific Instruments</i> , 2004, 75, 3284-3287.	0.6	10

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163	Shape precompensation in two-photon laser nanowriting of photonic lattices. Applied Physics Letters, 2004, 85, 3708-3710.	1.5	85
164	Polarization storage by nonlinear orientational hole burning in azo dye-containing polymer films. Applied Physics Letters, 2004, 85, 351-353.	1.5	64
165	Tip-enhanced near-field Raman analysis of tip-pressurized adenine molecule. Physical Review B, 2004, 69, .	1.1	128
166	Two-photon lasing of dye-doped photonic crystal lasers. Applied Physics Letters, 2004, 84, 1632-1634.	1.5	28
167	Near-Field Optics and Spectroscopy for Molecular Nano-Imaging. Science Progress, 2004, 87, 25-50.	1.0	20
168	Microfabrication of Two and Three Dimensional Structures by Two-Photon Polymerization. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 393-396.	0.1	15
169	Local enhancement of coherent anti-Stokes Raman scattering by isolated gold nanoparticles. Journal of Raman Spectroscopy, 2003, 34, 651-654.	1.2	63
170	Detection of an individual single-wall carbon nanotube by tip-enhanced near-field Raman spectroscopy. Chemical Physics Letters, 2003, 376, 174-180.	1.2	213
171	Two-photon isomerization and orientation of photoisomers in thin films of polymer. Optics Communications, 2003, 222, 269-276.	1.0	37
172	Two-photon photopolymerization as a tool for making micro-devices. Applied Surface Science, 2003, 208-209, 153-158.	3.1	54
173	Experimental investigation of single voxels for laser nanofabrication via two-photon photopolymerization. Applied Physics Letters, 2003, 83, 819-821.	1.5	87
174	Scaling laws of voxels in two-photon photopolymerization nanofabrication. Applied Physics Letters, 2003, 83, 1104-1106.	1.5	178
175	Photofabrication of wood-pile three-dimensional photonic crystals using four-beam laser interference. Applied Physics Letters, 2003, 83, 608-610.	1.5	66
176	Two-photon photoreduction of metallic nanoparticle gratings in a polymer matrix. Applied Physics Letters, 2003, 83, 1426-1428.	1.5	124
177	Submicron diamond-lattice photonic crystals produced by two-photon laser nanofabrication. Applied Physics Letters, 2003, 83, 2091-2093.	1.5	87
178	Stimulation of living cells by femtosecond near-infrared laser pulses. , 2003, , .		2
179	Multi-focus coherent anti-Stokes Raman scattering microscopy. Microscopy and Microanalysis, 2003, 9, 1090-1091.	0.2	7
180	Coherent anti-Stokes Raman scattering microscopy using near IR excitation and UV excitation. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2003, 2003.15, 137-138.	0.0	0

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181	Near-Field Infrared Microspectroscopy for Chemical Imaging. The Review of Laser Engineering, 2003, 31, 829-834.	0.0	0
182	Generation and Formation of Gold Nanoparticles with Spatial Control by Two-Photon Femtosecond Laser Interference. Materials Research Society Symposia Proceedings, 2003, 780, 261.	0.1	0
183	Near-field Raman imaging of organic molecules by an apertureless metallic probe scanning optical microscope. Journal of Chemical Physics, 2002, 117, 1296-1301.	1.2	177
184	Apertureless optical near-field fabrication using an atomic force microscope on photoresists. Applied Physics Letters, 2002, 80, 3400-3402.	1.5	43
185	Near-field enhanced Raman spectroscopy using side illumination optics. Journal of Applied Physics, 2002, 92, 6983-6986.	1.1	89
186	SELF-WRITTEN WAVEGUIDES IN PHOTSENSITIVE MATERIALS. Journal of Nonlinear Optical Physics and Materials, 2002, 11, 391-407.	1.1	44
187	Two-Photon Laser Micro-Nano Fabrication; Understanding from Single-Voxel Level. Materials Research Society Symposia Proceedings, 2002, 758, 461.	0.1	1
188	Three-dimensional focal spots related to two-photon excitation. Applied Physics Letters, 2002, 80, 3673-3675.	1.5	163
189	Surface-force measurement with a laser-trapped microprobe in solution. Applied Physics Letters, 2002, 80, 3448-3450.	1.5	18
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