

Satoshi Kawata

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211
papers

16,790
citations

62
h-index

127
g-index

233
ext. papers

18,782
ext. citations

6.2
avg, IF

6.67
L-index

#	Paper	IF	Citations
211	Direct visualization of an antidepressant analog using surface-enhanced Raman scattering in the brain. <i>JCI Insight</i> , 2020 , 5,	9.9	8
210	Surface-Plasmon Holography. <i>IScience</i> , 2020 , 23, 101879	6.1	3
209	Multiphoton-Excited Deep-Ultraviolet Photolithography for 3D Nanofabrication. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11434-11441	5.6	6
208	Dynamic pH measurements of intracellular pathways using nano-plasmonic assemblies. <i>Analyst, The</i> , 2020 , 145, 5768-5775	5	9
207	Quantitative Evaluation of Surface-Enhanced Raman Scattering Nanoparticles for Intracellular pH Sensing at a Single Particle Level. <i>Analytical Chemistry</i> , 2019 , 91, 3254-3262	7.8	41
206	Correlative force and tip-enhanced Raman microscopy. <i>APL Photonics</i> , 2019 , 4, 021301	5.2	
205	Crack engineering for the construction of arbitrary hierarchical architectures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23909-23914	11.5	18
204	Deep-Ultraviolet Biomolecular Imaging and Analysis. <i>Advanced Optical Materials</i> , 2019 , 7, 1801099	8.1	17
203	Deep-ultraviolet Raman scattering spectroscopy of monolayer WS. <i>Scientific Reports</i> , 2018 , 8, 11398	4.9	9
202	Tip-enhanced Raman spectroscopy - from early developments to recent advances. <i>Chemical Society Reviews</i> , 2017 , 46, 4077-4110	58.5	139
201	Nano-Raman Scattering Microscopy: Resolution and Enhancement. <i>Chemical Reviews</i> , 2017 , 117, 4983-5081	58.1	61
200	Au-Protected Ag Core/Satellite Nanoassemblies for Excellent Extra-/Intracellular Surface-Enhanced Raman Scattering Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44027-44037	9.5	13
199	Ultrasmall all-optical plasmonic switch and its application to superresolution imaging. <i>Scientific Reports</i> , 2016 , 6, 24293	4.9	34
198	Deep-UV biological imaging by lanthanide ion molecular protection. <i>Biomedical Optics Express</i> , 2016 , 7, 158-70	3.5	23
197	Invited Article: Plasmonic growth of patterned metamaterials with fractal geometry. <i>APL Photonics</i> , 2016 , 1, 050801	5.2	5
196	Alkyne-Tag SERS Screening and Identification of Small-Molecule-Binding Sites in Protein. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13901-13910	16.4	52
195	A sensitive and specific Raman probe based on bisarylbutadiyne for live cell imaging of mitochondria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 664-7	2.9	29

194	Time-lapse Raman imaging of osteoblast differentiation. <i>Scientific Reports</i> , 2015 , 5, 12529	4.9	31
193	Anomalous lattice vibrations of monolayer MoS2 probed by ultraviolet Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14561-8	3.6	31
192	Optical antennas for tunable enhancement in tip-enhanced Raman spectroscopy imaging. <i>Applied Physics Express</i> , 2015 , 8, 032401	2.4	50
191	Chirality-Selective Optical Scattering Force on Single-Walled Carbon Nanotubes. <i>Physical Review Applied</i> , 2015 , 3,	4.3	21
190	Optical antennas with multiple plasmonic nanoparticles for tip-enhanced Raman microscopy. <i>Nanoscale</i> , 2015 , 7, 17424-33	7.7	63
189	Visible-wavelength two-photon excitation microscopy for fluorescent protein imaging. <i>Journal of Biomedical Optics</i> , 2015 , 20, 101202	3.5	16
188	Deep-ultraviolet Raman scattering studies of monolayer graphene thin films. <i>Carbon</i> , 2015 , 81, 807-813	10.4	23
187	Temperature-dependent Photodegradation in UV-resonance Raman Spectroscopy. <i>Analytical Sciences</i> , 2015 , 31, 451-4	1.7	3
186	Super-Spatial- and -Spectral-Resolution in Vibrational Imaging via Saturated Coherent Anti-Stokes Raman Scattering. <i>Physical Review Applied</i> , 2015 , 4,	4.3	20
185	Structured line illumination Raman microscopy. <i>Nature Communications</i> , 2015 , 6, 10095	17.4	62
184	Visualizing the appearance and disappearance of the attractor of differentiation using Raman spectral imaging. <i>Scientific Reports</i> , 2015 , 5, 11358	4.9	13
183	Size dependent nanomechanics of coil spring shaped polymer nanowires. <i>Scientific Reports</i> , 2015 , 5, 17152	4.2	19
182	Analysis of dynamic SERS spectra measured with a nanoparticle during intracellular transportation in 3D. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 114023	1.7	18
181	Dual-polarization Raman spectral imaging to extract overlapping molecular fingerprints of living cells. <i>Journal of Biophotonics</i> , 2015 , 8, 546-54	3.1	14
180	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, 27059-65	9.5	33
179	Introduction to FUV and DUV Spectroscopy 2015 , 1-16		2
178	A 1.7 nm resolution chemical analysis of carbon nanotubes by tip-enhanced Raman imaging in the ambient. <i>Nature Communications</i> , 2014 , 5, 3312	17.4	206
177	Tip-Enhanced Raman Spectroscopy (TERS) for Nanoscale Imaging and Analysis 2014 , 139-161		2

176	Measurement of a saturated emission of optical radiation from gold nanoparticles: application to an ultrahigh resolution microscope. <i>Physical Review Letters</i> , 2014 , 112, 017402	7.4	71
175	Simultaneous imaging of protonated and deprotonated carbonylcyanide p-trifluoromethoxyphenylhydrazone in live cells by Raman microscopy. <i>Chemical Communications</i> , 2014 , 50, 1341-3	5.8	33
174	Direct laser writing of 3D architectures of aligned carbon nanotubes. <i>Advanced Materials</i> , 2014 , 26, 5653-7	7.4	51
173	Nanomovement of Azo Polymers Induced by Longitudinal Fields. <i>ACS Photonics</i> , 2014 , 1, 190-197	6.3	32
172	Saturation and Reverse Saturation of Scattering in a Single Plasmonic Nanoparticle. <i>ACS Photonics</i> , 2014 , 1, 32-37	6.3	39
171	3D SERS (surface enhanced Raman scattering) imaging of intracellular pathways. <i>Methods</i> , 2014 , 68, 348-53	7.5	34
170	Indium for Deep-Ultraviolet Surface-Enhanced Resonance Raman Scattering. <i>ACS Photonics</i> , 2014 , 1, 598-603	6.3	50
169	Laser nanofabrication in photoresists and azopolymers. <i>Laser and Photonics Reviews</i> , 2014 , 8, 1-26	8.3	74
168	Visualizing cell state transition using Raman spectroscopy. <i>PLoS ONE</i> , 2014 , 9, e84478	3.7	63
167	Macroscopic Ensembles of Aligned Carbon Nanotubes in Bubble Imprints Studied by Polarized Raman Microscopy. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	
166	Plasmon-enhanced UV photocatalysis. <i>Applied Physics Letters</i> , 2014 , 104, 061108	3.4	70
165	3D microfabrication of single-wall carbon nanotube/polymer composites by two-photon polymerization lithography. <i>Carbon</i> , 2013 , 59, 283-288	10.4	64
164	Tip-enhanced nano-Raman analytical imaging of locally induced strain distribution in carbon nanotubes. <i>Nature Communications</i> , 2013 , 4, 2592	17.4	108
163	Raman and SERS microscopy for molecular imaging of live cells. <i>Nature Protocols</i> , 2013 , 8, 677-92	18.8	238
162	Two photon polymerization lithography for 3D microfabrication of single wall carbon nanotube/polymer composites 2013 ,		2
161	Plasmonics: Future Outlook. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 010001	1.4	38
160	Saturated excitation of fluorescent proteins for subdiffraction-limited imaging of living cells in three dimensions. <i>Interface Focus</i> , 2013 , 3, 20130007	3.9	8
159	Far-field free tapping-mode tip-enhanced Raman microscopy. <i>Applied Physics Letters</i> , 2013 , 102, 123110	3.4	30

158	Plasmon saturation induced super-resolution imaging 2013 ,		1
157	Plasmonic resonance enhancement of single gold nanorod in two-photon photopolymerization for fabrication of polymer/metal nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 106, 773-778	2.6	5
156	Alkyne-tag Raman imaging for visualization of mobile small molecules in live cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20681-9	16.4	267
155	C _{2v} symmetrical two-photon polymerization initiators with anthracene core: synthesis, optical and initiating properties. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15785-92	3.6	16
154	Tunable plasmon resonances in a metallic nanotip-film system. <i>Nanoscale</i> , 2012 , 4, 5931-5	7.7	19
153	Highly reproducible tip-enhanced Raman scattering using an oxidized and metallized silicon cantilever tip as a tool for everyone. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1177-1182	2.3	51
152	Molecular orientation analysis of organic thin films by z-polarization Raman microscope. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 2029-2034	2.3	27
151	Tip-enhanced broadband CARS spectroscopy and imaging using a photonic crystal fiber based broadband light source. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 656-661	2.3	30
150	Deep ultraviolet resonant Raman imaging of a cell. <i>Journal of Biomedical Optics</i> , 2012 , 17, 076001	3.5	42
149	Femtosecond laser fabrication of gold nanorod/polymer composite microstructures 2012 ,		1
148	Tailoring plasmon resonances in the deep-ultraviolet by size-tunable fabrication of aluminum nanostructures. <i>Applied Physics Letters</i> , 2012 , 101, 081110	3.4	115
147	Label-free Raman observation of cytochrome c dynamics during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 28-32	11.5	306
146	Dynamic SERS imaging of cellular transport pathways with endocytosed gold nanoparticles. <i>Nano Letters</i> , 2011 , 11, 5344-8	11.5	185
145	Two-Photon Excited Fluorescence and Second-Harmonic Generation of the DAST Organic Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8988-8993	3.8	36
144	Nanopatterning of Photosensitive Polymer Films 2011 , 571-589		
143	Deep UV resonant Raman spectroscopy for photodamage characterization in cells. <i>Biomedical Optics Express</i> , 2011 , 2, 927-36	3.5	38
142	Laser fabrication of Au nanorod aggregates microstructures assisted by two-photon polymerization. <i>Optics Express</i> , 2011 , 19, 22786-96	3.3	31
141	1N1312 Time-resolved Raman imaging of malarial hemozoin(Bioimaging 1,The 49th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2011 , 51, S66	0	2

140	Tip-heating-assisted Raman spectroscopy at elevated temperatures. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 992-997	2.3	9
139	Photo-polymerizable gold nanorods / methyl methacrylate composite for plasmonic optical application. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1312, 1		
138	Surface- and Tip-Enhanced CARS 2010 , 305-321		1
137	Two-beam multiplexed CARS based on a broadband oscillator. <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 840-847	2.3	6
136	Near-Field Raman Microscopy for Nanometric Observation. <i>Seibutsu Butsuri</i> , 2010 , 50, 300-301	0	
135	Photonic quasicrystals exhibit zero-transmission regions due to translational arrangement of constituent parts. <i>Physical Review B</i> , 2009 , 79,	3.3	21
134	Subnanometric near-field Raman investigation in the vicinity of a metallic nanostructure. <i>Physical Review Letters</i> , 2009 , 102, 186101	7.4	89
133	Size-dependent mechanical properties of polymer-nanowires fabricated by two-photon lithography. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1224, 1		
132	Halide-ion-assisted increase of surface-enhanced hyper-Raman scattering: a clear observation of the chemical effect. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 119-120	2.3	7
131	Deep-UV tip-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1324-1330	2.3	147
130	Nano-scale analysis of graphene layers by tip-enhanced near-field Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1434-1440	2.3	88
129	Morphology and size dependence of silver microstructures in fatty salts-assisted multiphoton photoreduction microfabrication. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 453-458	2.6	27
128	3D metallic nanostructure fabrication by surfactant-assisted multiphoton-induced reduction. <i>Small</i> , 2009 , 5, 1144-8	11	162
127	Plasmonics for near-field nano-imaging and superlensing. <i>Nature Photonics</i> , 2009 , 3, 388-394	33.9	573
126	Pressure-assisted tip-enhanced Raman imaging at a resolution of a few nanometres. <i>Nature Photonics</i> , 2009 , 3, 473-477	33.9	179
125	Size-dependent behaviors of femtosecond laser-prototyped polymer micronanowires. <i>Optics Letters</i> , 2009 , 34, 566-8	3	21
124	Controlling the plasmon resonance wavelength in metal-coated probe using refractive index modification. <i>Optics Express</i> , 2009 , 17, 6509-18	3.3	53
123	Multi-focus excitation coherent anti-Stokes Raman scattering (CARS) microscopy and its applications for real-time imaging. <i>Optics Express</i> , 2009 , 17, 9526-36	3.3	44

122	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11816-11821	3.8	69
121	Subwavelength colour imaging with a metallic nanolens. <i>Nature Photonics</i> , 2008 , 2, 438-442	33.9	182
120	Two- and three-dimensional micro/nanostructure patterning of CdS-polymer nanocomposites with a laser interference technique and in situ synthesis. <i>Nanotechnology</i> , 2008 , 19, 035611	3.4	32
119	Metal-nanoshelled three-dimensional photonic lattices. <i>Optics Letters</i> , 2008 , 33, 1999-2001	3	18
118	Two-photon induced polymer nanomovement. <i>Optics Express</i> , 2008 , 16, 14106-14	3.3	27
117	Size dependence of transition temperature in polymer nanowires. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3586-9	3.4	15
116	Raman microscopy for dynamic molecular imaging of living cells. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044027	3.5	191
115	Highly efficient tip-enhanced Raman spectroscopy and microscopy of strained silicon. <i>Review of Scientific Instruments</i> , 2008 , 79, 013706	1.7	31
114	Temperature effects on pinpoint photopolymerization and polymerized micronanostructures. <i>Applied Physics Letters</i> , 2008 , 92, 041902	3.4	26
113	1P-335 An optical pacemaker for heart muscle cells(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S74	0	
112	New Trends in Plasmonics for New Optical Devices. <i>The Review of Laser Engineering</i> , 2008 , 36, 111-116	0	
111	2P-325 Formation of gold nanoparticles in living cells by reduction of gold ion solution(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S125	0	
110	Dual photonic band gap and reversible tuning of 3D photonic crystal fabricated by multiphoton polymerization with photoresponsive polymer. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 93, 393-398	2.6	8
109	Optical polarizer made of uniaxially aligned short single-wall carbon nanotubes embedded in a polymer film. <i>Physical Review B</i> , 2008 , 77,	3.3	53
108	Carbazole-based 1D and 2D hemicyanines: synthesis, two-photon absorption properties and application for two-photon photopolymerization 3D lithography. <i>New Journal of Chemistry</i> , 2007 , 31, 63-68	3.6	39
107	Visualization of localized strain of a crystalline thin layer at the nanoscale by tip-enhanced Raman spectroscopy and microscopy. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 684-696	2.3	69
106	Synthesis, optical and initiating properties of new two-photon polymerization initiators: 2,7-Bis(styryl)anthraquinone derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 189, 398-404	4.7	25
105	Giant elasticity of photopolymer nanowires. <i>Applied Physics Letters</i> , 2007 , 91, 063112	3.4	30

104	Raman, CARS and near-field Raman-CARS microscopy for cellular and molecular imaging. <i>Handai Nanophotonics</i> , 2007 , 3, 57-71		
103	3P304 Surface enhanced Raman spectroscopy of living cells with gold nanoparticles(Bioimaging. The genesis of life, and biological evolution, Oral Presentations). <i>Seibutsu Butsuri</i> , 2007 , 47, S279		0
102	3P303 Tip enhanced Raman spectroscopy for nano-analysis of biomolecules(Bioimaging. The genesis of life, and biological evolution, Oral Presentations). <i>Seibutsu Butsuri</i> , 2007 , 47, S278		0
101	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. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1433		45
100	Improving spatial resolution of two-photon microfabrication by using photoinitiator with high initiating efficiency. <i>Applied Physics Letters</i> , 2007 , 90, 131106	3-4	164
99	Nanoanalysis of crystalline properties of GaN thin film using tip-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2007 , 90, 061906	3-4	42
98	Near-field effects in tip-enhanced Raman scattering 2007 , 87-113		1
97	Vibrational Analysis of Organic Molecules Encapsulated in Carbon Nanotubes by Tip-Enhanced Raman Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 9286-9289	1-4	22
96	Photopolymerization and Metalization for Fabricating Functional Devices and Metamaterials. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 921, 1		
95	Three-dimensional fabrication of metallic micro/nanostructures by two-photon polymerization for metamaterials 2006 ,		3
94	Two-photon-induced reduction of metal ions for fabricating three-dimensional electrically conductive metallic microstructure. <i>Applied Physics Letters</i> , 2006 , 88, 081107	3-4	172
93	Diameter-selective near-field Raman analysis and imaging of isolated carbon nanotube bundles. <i>Applied Physics Letters</i> , 2006 , 88, 093125	3-4	51
92	Near-field Raman scattering investigation of tip effects on C60 molecules. <i>Physical Review B</i> , 2006 , 73,	3-3	67
91	Ordering of azobenzenes by two-photon isomerization. <i>Journal of Chemical Physics</i> , 2006 , 125, 164718	3-9	27
90	Improvement in the reduction of silver ions in aqueous solution using two-photon sensitive dye. <i>Applied Physics Letters</i> , 2006 , 89, 113102	3-4	80
89	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. <i>Advances in Polymer Science</i> , 2006 , 169-273	1-3	202
88	Selective electroless plating to fabricate complex three-dimensional metallic micro/nanostructures. <i>Applied Physics Letters</i> , 2006 , 88, 083110	3-4	90
87	Nanoscale uniaxial pressure effect of a carbon nanotube bundle on tip-enhanced near-field Raman spectra. <i>Nano Letters</i> , 2006 , 6, 1269-73	11.5	86

86	Photo-orientation by multiphoton photoselection. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 868	1.7	27
85	Towards atomic site-selective sensitivity in tip-enhanced Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2006 , 125, 244706	3.9	67
84	Chapter 3 Near-field effects in tip-enhanced Raman scattering. <i>Advances in Nano-optics and Nano-photonics</i> , 2006 , 87-113		1
83	Multiple-spot parallel processing for laser micronanofabrication. <i>Applied Physics Letters</i> , 2005 , 86, 044103	3.4	190
82	Direct laser writing defects in holographic lithography-created photonic lattices. <i>Optics Letters</i> , 2005 , 30, 881-3	3	22
81	Improved spatial resolution and surface roughness in photopolymerization-based laser nanowriting. <i>Applied Physics Letters</i> , 2005 , 86, 071122	3.4	161
80	Tip-enhanced Near-field Raman Spectroscopy for Nano-imaging. <i>Hyomen Kagaku</i> , 2005 , 26, 667-674		
79	Time-gated imaging for multifocus second-harmonic generation microscopy. <i>Review of Scientific Instruments</i> , 2005 , 76, 073704	1.7	4
78	Rupture force measurement of biotin-streptavidin bonds using optical trapping. <i>Applied Physics Letters</i> , 2005 , 87, 043901	3.4	23
77	Creation of a Micro-Nanoworld with Photons. <i>Seikei-Kakou</i> , 2005 , 17, 524-527	0	
76	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	2.5	13
75	TWO-PHOTON ABSORBING PHENYLENEVINYLENE DERIVATIVE HAVING SILYLOXY MOIETIES IN DONOR UNITS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004 , 13, 467-474	0.8	5
74	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	2.2	72
73	Towards plasmonic band gap laser. <i>Applied Physics Letters</i> , 2004 , 85, 3968-3970	3.4	91
72	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 424, 35-41	0.5	13
71	Application of tip-enhanced microscopy for nonlinear Raman spectroscopy. <i>Applied Physics Letters</i> , 2004 , 84, 1768-1770	3.4	54
70	Tip-enhanced coherent anti-stokes Raman scattering for vibrational nanoimaging. <i>Physical Review Letters</i> , 2004 , 92, 220801	7.4	336
69	Detection and characterization of longitudinal field for tip-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2004 , 85, 6239-6241	3.4	222

68	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	1.7	10
67	Shape precompensation in two-photon laser nanowriting of photonic lattices. <i>Applied Physics Letters</i> , 2004 , 85, 3708-3710	3.4	75
66	Polarization storage by nonlinear orientational hole burning in azo dye-containing polymer films. <i>Applied Physics Letters</i> , 2004 , 85, 351-353	3.4	58
65	Tip-enhanced near-field Raman analysis of tip-pressurized adenine molecule. <i>Physical Review B</i> , 2004 , 69,	3.3	121
64	Two-photon lasing of dye-doped photonic crystal lasers. <i>Applied Physics Letters</i> , 2004 , 84, 1632-1634	3.4	26
63	Near-field optics and spectroscopy for molecular nano-imaging. <i>Science Progress</i> , 2004 , 87, 25-49	1.1	17
62	Microfabrication of Two and Three Dimensional Structures by Two-Photon Polymerization. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2004 , 17, 393-396	0.7	14
61	Stimulation of living cells by femtosecond near-infrared laser pulses 2003 ,		1
60	Multi-focus coherent anti-Stokes Raman scattering microscopy. <i>Microscopy and Microanalysis</i> , 2003 , 9, 1090-1091	0.5	2
59	Local enhancement of coherent anti-Stokes Raman scattering by isolated gold nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 651-654	2.3	59
58	Detection of an individual single-wall carbon nanotube by tip-enhanced near-field Raman spectroscopy. <i>Chemical Physics Letters</i> , 2003 , 376, 174-180	2.5	190
57	Two-photon isomerization and orientation of photoisomers in thin films of polymer. <i>Optics Communications</i> , 2003 , 222, 269-276	2	32
56	Two-photon photopolymerization as a tool for making micro-devices. <i>Applied Surface Science</i> , 2003 , 208-209, 153-158	6.7	51
55	Experimental investigation of single voxels for laser nanofabrication via two-photon photopolymerization. <i>Applied Physics Letters</i> , 2003 , 83, 819-821	3.4	78
54	Scaling laws of voxels in two-photon photopolymerization nanofabrication. <i>Applied Physics Letters</i> , 2003 , 83, 1104-1106	3.4	150
53	Photofabrication of wood-pile three-dimensional photonic crystals using four-beam laser interference. <i>Applied Physics Letters</i> , 2003 , 83, 608-610	3.4	60
52	Two-photon photoreduction of metallic nanoparticle gratings in a polymer matrix. <i>Applied Physics Letters</i> , 2003 , 83, 1426-1428	3.4	103
51	Submicron diamond-lattice photonic crystals produced by two-photon laser nanofabrication. <i>Applied Physics Letters</i> , 2003 , 83, 2091-2093	3.4	77

50	Coherent anti-Stokes Raman scattering microscopy using near IR excitation and UV excitation. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2003 , 2003.15, 137-138	0	
49	Near-Field Infrared Microspectroscopy for Chemical Imaging. <i>The Review of Laser Engineering</i> , 2003 , 31, 829-834	0	
48	Generation and Formation of Gold Nanoparticles with Spatial Control by Two-Photon Femtosecond Laser Interference. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 780, 261		
47	Near-field Raman imaging of organic molecules by an apertureless metallic probe scanning optical microscope. <i>Journal of Chemical Physics</i> , 2002 , 117, 1296-1301	3.9	158
46	Apertureless optical near-field fabrication using an atomic force microscope on photoresists. <i>Applied Physics Letters</i> , 2002 , 80, 3400-3402	3.4	37
45	Near-field enhanced Raman spectroscopy using side illumination optics. <i>Journal of Applied Physics</i> , 2002 , 92, 6983-6986	2.5	84
44	SELF-WRITTEN WAVEGUIDES IN PHOTSENSITIVE MATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002 , 11, 391-407	0.8	26
43	Two-Photon Laser Micro-Nano Fabrication; Understanding from Single-Voxel Level. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 461		
42	Three-dimensional focal spots related to two-photon excitation. <i>Applied Physics Letters</i> , 2002 , 80, 3673-3675	3.4	145
41	Surface-force measurement with a laser-trapped microprobe in solution. <i>Applied Physics Letters</i> , 2002 , 80, 3448-3450	3.4	16
40	Pure Photoorientation of Azo Dye in Polyurethanes and Quantification of Orientation of Spectrally Overlapping Isomers. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12407-12417	3.4	50
39	Rapid sub-diffraction-limit laser micro/nanoprocessing in a threshold material system. <i>Applied Physics Letters</i> , 2002 , 80, 312-314	3.4	171
38	Resonance enhancement of coherent anti-Stokes Raman scattering microscopy. <i>Proceedings of the JSME Bioengineering Conference and Seminar</i> , 2002 , 2002.13, 85-86		
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