

Satoshi Kawata

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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	Finer features for functional microdevices. <i>Nature</i> , 2001 , 412, 697-8	50.4	2170
210	Three-dimensional microfabrication with two-photon-absorbed photopolymerization. <i>Optics Letters</i> , 1997 , 22, 132-4	3	1357
209	Three-Dimensional Optical Data Storage Using Photochromic Materials. <i>Chemical Reviews</i> , 2000 , 100, 1777-1788	68.1	1232
208	Plasmonics for near-field nano-imaging and superlensing. <i>Nature Photonics</i> , 2009 , 3, 388-394	33.9	573
207	Metallized tip amplification of near-field Raman scattering. <i>Optics Communications</i> , 2000 , 183, 333-336	2	552
206	Near-field scanning optical microscope with a metallic probe tip. <i>Optics Letters</i> , 1994 , 19, 159	3	490
205	Tip-enhanced coherent anti-stokes Raman scattering for vibrational nanoimaging. <i>Physical Review Letters</i> , 2004 , 92, 220801	7.4	336
204	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
203	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
202	Raman and SERS microscopy for molecular imaging of live cells. <i>Nature Protocols</i> , 2013 , 8, 677-92	18.8	238
201	Near-field Raman scattering enhanced by a metallized tip. <i>Chemical Physics Letters</i> , 2001 , 335, 369-374	2.5	236
200	Detection and characterization of longitudinal field for tip-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2004 , 85, 6239-6241	3.4	222
199	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
198	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. <i>Advances in Polymer Science</i> , 2006 , 169-273	1.3	202
197	Raman microscopy for dynamic molecular imaging of living cells. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044027	3.5	191
196	Multiple-spot parallel processing for laser micronanofabrication. <i>Applied Physics Letters</i> , 2005 , 86, 044103	3.4	190
195	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

194	Dynamic SERS imaging of cellular transport pathways with endocytosed gold nanoparticles. <i>Nano Letters</i> , 2011 , 11, 5344-8	11.5	185
193	Photofabrication of three-dimensional photonic crystals by multibeam laser interference into a photopolymerizable resin. <i>Applied Physics Letters</i> , 2000 , 76, 2668-2670	3.4	184
192	Subwavelength colour imaging with a metallic nanolens. <i>Nature Photonics</i> , 2008 , 2, 438-442	33.9	182
191	Molecular vibration imaging in the fingerprint region by use of coherent anti-Stokes Raman scattering microscopy with a collinear configuration. <i>Optics Letters</i> , 2000 , 25, 1768-70	3	181
190	Pressure-assisted tip-enhanced Raman imaging at a resolution of a few nanometres. <i>Nature Photonics</i> , 2009 , 3, 473-477	33.9	179
189	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
188	Rapid sub-diffraction-limit laser micro/nanoprocessing in a threshold material system. <i>Applied Physics Letters</i> , 2002 , 80, 312-314	3.4	171
187	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
186	3D metallic nanostructure fabrication by surfactant-assisted multiphoton-induced reduction. <i>Small</i> , 2009 , 5, 1144-8	11	162
185	Improved spatial resolution and surface roughness in photopolymerization-based laser nanowriting. <i>Applied Physics Letters</i> , 2005 , 86, 071122	3.4	161
184	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
183	Scaling laws of voxels in two-photon photopolymerization nanofabrication. <i>Applied Physics Letters</i> , 2003 , 83, 1104-1106	3.4	150
182	Deep-UV tip-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1324-1330	2.3	147
181	Three-dimensional focal spots related to two-photon excitation. <i>Applied Physics Letters</i> , 2002 , 80, 3673-3675	3.4	145
180	Tip-enhanced Raman spectroscopy - from early developments to recent advances. <i>Chemical Society Reviews</i> , 2017 , 46, 4077-4110	58.5	139
179	Local field enhancement with an apertureless near-field-microscope probe. <i>Optics Communications</i> , 1998 , 148, 221-224	2	121
178	Tip-enhanced near-field Raman analysis of tip-pressurized adenine molecule. <i>Physical Review B</i> , 2004 , 69,	3.3	121
177	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

176	Tip-enhanced nano-Raman analytical imaging of locally induced strain distribution in carbon nanotubes. <i>Nature Communications</i> , 2013 , 4, 2592	17.4	108
175	Elastic force analysis of functional polymer submicron oscillators. <i>Applied Physics Letters</i> , 2001 , 79, 3173-3175	3.4	106
174	Two-photon photoreduction of metallic nanoparticle gratings in a polymer matrix. <i>Applied Physics Letters</i> , 2003 , 83, 1426-1428	3.4	103
173	Towards plasmonic band gap laser. <i>Applied Physics Letters</i> , 2004 , 85, 3968-3970	3.4	91
172	Selective electroless plating to fabricate complex three-dimensional metallic micro/nanostructures. <i>Applied Physics Letters</i> , 2006 , 88, 083110	3.4	90
171	Subnanometric near-field Raman investigation in the vicinity of a metallic nanostructure. <i>Physical Review Letters</i> , 2009 , 102, 186101	7.4	89
170	Gold-bead scanning near-field optical microscope with laser-force position control. <i>Optics Letters</i> , 1997 , 22, 1663-5	3	89
169	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
168	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
167	Near-field enhanced Raman spectroscopy using side illumination optics. <i>Journal of Applied Physics</i> , 2002 , 92, 6983-6986	2.5	84
166	Two-photon photopolymerization and diagnosis of three-dimensional microstructures containing fluorescent dyes. <i>Applied Physics Letters</i> , 2001 , 79, 1411-1413	3.4	82
165	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
164	Experimental investigation of single voxels for laser nanofabrication via two-photon photopolymerization. <i>Applied Physics Letters</i> , 2003 , 83, 819-821	3.4	78
163	Submicron diamond-lattice photonic crystals produced by two-photon laser nanofabrication. <i>Applied Physics Letters</i> , 2003 , 83, 2091-2093	3.4	77
162	Shape precompensation in two-photon laser nanowriting of photonic lattices. <i>Applied Physics Letters</i> , 2004 , 85, 3708-3710	3.4	75
161	Laser nanofabrication in photoresists and azopolymers. <i>Laser and Photonics Reviews</i> , 2014 , 8, 1-26	8.3	74
160	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
159	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

158	Plasmon-enhanced UV photocatalysis. <i>Applied Physics Letters</i> , 2014 , 104, 061108	3.4	70
157	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
156	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
155	Near-Field Scanning Optical Microscope with a Laser Trapped Probe. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, L1725-L1727	1.4	68
154	Near-field Raman scattering investigation of tip effects on C60 molecules. <i>Physical Review B</i> , 2006 , 73,	3.3	67
153	Towards atomic site-selective sensitivity in tip-enhanced Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2006 , 125, 244706	3.9	67
152	3D microfabrication of single-wall carbon nanotube/polymer composites by two-photon polymerization lithography. <i>Carbon</i> , 2013 , 59, 283-288	10.4	64
151	Optical antennas with multiple plasmonic nanoparticles for tip-enhanced Raman microscopy. <i>Nanoscale</i> , 2015 , 7, 17424-33	7.7	63
150	Visualizing cell state transition using Raman spectroscopy. <i>PLoS ONE</i> , 2014 , 9, e84478	3.7	63
149	Structured line illumination Raman microscopy. <i>Nature Communications</i> , 2015 , 6, 10095	17.4	62
148	Nano-Raman Scattering Microscopy: Resolution and Enhancement. <i>Chemical Reviews</i> , 2017 , 117, 4983-5081	10.1	61
147	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
146	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
145	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
144	Near-field scanning optical microscope using a metallized cantilever tip for nanospectroscopy 1999 ,		57
143	Application of tip-enhanced microscopy for nonlinear Raman spectroscopy. <i>Applied Physics Letters</i> , 2004 , 84, 1768-1770	3.4	54
142	Controlling the plasmon resonance wavelength in metal-coated probe using refractive index modification. <i>Optics Express</i> , 2009 , 17, 6509-18	3.3	53
141	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

140	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
139	Direct laser writing of 3D architectures of aligned carbon nanotubes. <i>Advanced Materials</i> , 2014 , 26, 5653-7	7	51
138	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
137	Diameter-selective near-field Raman analysis and imaging of isolated carbon nanotube bundles. <i>Applied Physics Letters</i> , 2006 , 88, 093125	3.4	51
136	Two-photon photopolymerization as a tool for making micro-devices. <i>Applied Surface Science</i> , 2003 , 208-209, 153-158	6.7	51
135	Optical antennas for tunable enhancement in tip-enhanced Raman spectroscopy imaging. <i>Applied Physics Express</i> , 2015 , 8, 032401	2.4	50
134	Indium for Deep-Ultraviolet Surface-Enhanced Resonance Raman Scattering. <i>ACS Photonics</i> , 2014 , 1, 598-603	6.3	50
133	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
132	Optically-induced growth of fiber patterns into a photopolymerizable resin. <i>Applied Physics Letters</i> , 1999 , 75, 737-739	3.4	49
131	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
130	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
129	Deep ultraviolet resonant Raman imaging of a cell. <i>Journal of Biomedical Optics</i> , 2012 , 17, 076001	3.5	42
128	Nanoanalysis of crystalline properties of GaN thin film using tip-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2007 , 90, 061906	3.4	42
127	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
126	SUPER-DYNAMIC-RANGE MEASUREMENT OF FT-IR SPECTRA BY DELTA-SIGMA MODULATION. <i>Analytical Sciences</i> , 1991 , 7, 709-710	1.7	40
125	Saturation and Reverse Saturation of Scattering in a Single Plasmonic Nanoparticle. <i>ACS Photonics</i> , 2014 , 1, 32-37	6.3	39
124	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
123	Plasmonics: Future Outlook. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 010001	1.4	38

122	Deep UV resonant Raman spectroscopy for photodamage characterization in cells. <i>Biomedical Optics Express</i> , 2011 , 2, 927-36	3.5	38
121	Apertureless optical near-field fabrication using an atomic force microscope on photoresists. <i>Applied Physics Letters</i> , 2002 , 80, 3400-3402	3.4	37
120	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
119	Ultrasmall all-optical plasmonic switch and its application to superresolution imaging. <i>Scientific Reports</i> , 2016 , 6, 24293	4.9	34
118	3D SERS (surface enhanced Raman scattering) imaging of intracellular pathways. <i>Methods</i> , 2014 , 68, 348-53	4.5	34
117	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
116	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
115	Nanomovement of Azo Polymers Induced by Longitudinal Fields. <i>ACS Photonics</i> , 2014 , 1, 190-197	6.3	32
114	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
113	Two-photon isomerization and orientation of photoisomers in thin films of polymer. <i>Optics Communications</i> , 2003 , 222, 269-276	2	32
112	Time-lapse Raman imaging of osteoblast differentiation. <i>Scientific Reports</i> , 2015 , 5, 12529	4.9	31
111	Anomalous lattice vibrations of monolayer MoS ₂ probed by ultraviolet Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14561-8	3.6	31
110	Laser fabrication of Au nanorod aggregates microstructures assisted by two-photon polymerization. <i>Optics Express</i> , 2011 , 19, 22786-96	3.3	31
109	Highly efficient tip-enhanced Raman spectroscopy and microscopy of strained silicon. <i>Review of Scientific Instruments</i> , 2008 , 79, 013706	1.7	31
108	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
107	Far-field free tapping-mode tip-enhanced Raman microscopy. <i>Applied Physics Letters</i> , 2013 , 102, 123110	3.4	30
106	Giant elasticity of photopolymer nanowires. <i>Applied Physics Letters</i> , 2007 , 91, 063112	3.4	30
105	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

104	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
103	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
102	Two-photon induced polymer nanomovement. <i>Optics Express</i> , 2008 , 16, 14106-14	3.3	27
101	Ordering of azobenzenes by two-photon isomerization. <i>Journal of Chemical Physics</i> , 2006 , 125, 164718	3.9	27
100	Photo-orientation by multiphoton photoselection. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 868	1.7	27
99	Temperature effects on pinpoint photopolymerization and polymerized micronanostructures. <i>Applied Physics Letters</i> , 2008 , 92, 041902	3.4	26
98	Two-photon lasing of dye-doped photonic crystal lasers. <i>Applied Physics Letters</i> , 2004 , 84, 1632-1634	3.4	26
97	SELF-WRITTEN WAVEGUIDES IN PHOTSENSITIVE MATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002 , 11, 391-407	0.8	26
96	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
95	Deep-ultraviolet Raman scattering studies of monolayer graphene thin films. <i>Carbon</i> , 2015 , 81, 807-813	10.4	23
94	Deep-UV biological imaging by lanthanide ion molecular protection. <i>Biomedical Optics Express</i> , 2016 , 7, 158-70	3.5	23
93	Rupture force measurement of biotin-streptavidin bonds using optical trapping. <i>Applied Physics Letters</i> , 2005 , 87, 043901	3.4	23
92	Three-dimensional subsurface microprocessing of collagen by ultrashort laser pulses. <i>Applied Physics Letters</i> , 2001 , 78, 999-1001	3.4	23
91	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
90	Direct laser writing defects in holographic lithography-created photonic lattices. <i>Optics Letters</i> , 2005 , 30, 881-3	3	22
89	Chirality-Selective Optical Scattering Force on Single-Walled Carbon Nanotubes. <i>Physical Review Applied</i> , 2015 , 3,	4.3	21
88	Photonic quasicrystals exhibit zero-transmission regions due to translational arrangement of constituent parts. <i>Physical Review B</i> , 2009 , 79,	3.3	21
87	Size-dependent behaviors of femtosecond laser-prototyped polymer micronanowires. <i>Optics Letters</i> , 2009 , 34, 566-8	3	21

86	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
85	Size dependent nanomechanics of coil spring shaped polymer nanowires. <i>Scientific Reports</i> , 2015 , 5, 17152	4.9	19
84	Tunable plasmon resonances in a metallic nanotip-film system. <i>Nanoscale</i> , 2012 , 4, 5931-5	7.7	19
83	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
82	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
81	Metal-nanoshelled three-dimensional photonic lattices. <i>Optics Letters</i> , 2008 , 33, 1999-2001	3	18
80	Near-field optics and spectroscopy for molecular nano-imaging. <i>Science Progress</i> , 2004 , 87, 25-49	1.1	17
79	Deep-Ultraviolet Biomolecular Imaging and Analysis. <i>Advanced Optical Materials</i> , 2019 , 7, 1801099	8.1	17
78	Visible-wavelength two-photon excitation microscopy for fluorescent protein imaging. <i>Journal of Biomedical Optics</i> , 2015 , 20, 101202	3.5	16
77	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
76	Surface-force measurement with a laser-trapped microprobe in solution. <i>Applied Physics Letters</i> , 2002 , 80, 3448-3450	3.4	16
75	Effect of saturable response to two-photon absorption on the readout signal level of three-dimensional bit optical data storage in a photochromic polymer. <i>Applied Physics Letters</i> , 2001 , 79, 148-150	3.4	16
74	Size dependence of transition temperature in polymer nanowires. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3586-9	3.4	15
73	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
72	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
71	Pico-Newton Friction Force Measurements Using a Laser-trapped Microsphere. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, L684-L686	1.4	14
70	Numerical Analysis of the Near-field Diffraction Pattern of a Small Aperture. <i>Journal of Modern Optics</i> , 1992 , 39, 645-661	1.1	14
69	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

68	Visualizing the appearance and disappearance of the attractor of differentiation using Raman spectral imaging. <i>Scientific Reports</i> , 2015 , 5, 11358	4.9	13
67	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
66	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 424, 35-41	0.5	13
65	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
64	Real-Time Two-Photon Microscopy and Its Application for In Situ Imaging.. <i>Acta Histochemica Et Cytochemica</i> , 2001 , 34, 399-403	1.9	10
63	Deep-ultraviolet Raman scattering spectroscopy of monolayer WS. <i>Scientific Reports</i> , 2018 , 8, 11398	4.9	9
62	Tip-heating-assisted Raman spectroscopy at elevated temperatures. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 992-997	2.3	9
61	Dynamic pH measurements of intracellular pathways using nano-plasmonic assemblies. <i>Analyst, The</i> , 2020 , 145, 5768-5775	5	9
60	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
59	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
58	Direct visualization of an antidepressant analog using surface-enhanced Raman scattering in the brain. <i>JCI Insight</i> , 2020 , 5,	9.9	8
57	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
56	Two-beam multiplexed CARS based on a broadband oscillator. <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 840-847	2.3	6
55	Multiphoton-Excited Deep-Ultraviolet Photolithography for 3D Nanofabrication. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11434-11441	5.6	6
54	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
53	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
52	Near-infrared light transcutaneous telemetry system having an implantable transmitter driven by external laser irradiation. <i>Review of Scientific Instruments</i> , 2001 , 72, 3079-3085	1.7	5
51	Optical thickness profiling using a semiconductor laser confocal microscope. <i>Review of Scientific Instruments</i> , 1996 , 67, 2072-2078	1.7	5

50	Invited Article: Plasmonic growth of patterned metamaterials with fractal geometry. <i>APL Photonics</i> , 2016 , 1, 050801	5.2	5
49	Time-gated imaging for multifocus second-harmonic generation microscopy. <i>Review of Scientific Instruments</i> , 2005 , 76, 073704	1.7	4
48	Temperature-dependent Photodegradation in UV-resonance Raman Spectroscopy. <i>Analytical Sciences</i> , 2015 , 31, 451-4	1.7	3
47	Three-dimensional fabrication of metallic micro/nanostructures by two-photon polymerization for metamaterials 2006 ,		3
46	The principle and applications of optical microscope tomography.. <i>Acta Histochemica Et Cytochemica</i> , 1986 , 19, 73-81	1.9	3
45	Surface-Plasmon Holography. <i>IScience</i> , 2020 , 23, 101879	6.1	3
44	Tip-Enhanced Raman Spectroscopy (TERS) for Nanoscale Imaging and Analysis 2014 , 139-161		2
43	Two photon polymerization lithography for 3D microfabrication of single wall carbon nanotube/polymer composites 2013 ,		2
42	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
41	Multi-focus coherent anti-Stokes Raman scattering microscopy. <i>Microscopy and Microanalysis</i> , 2003 , 9, 1090-1091	0.5	2
40	Photon-Induced Micro/Nano Fabrication, Manipulation, and Imaging with Unconventional Photo-Active Systems. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 314, 173-178		2
39	Visualization of a Phase Object by Two-Wave Coupling in a Photorefractive Bismuth Silicon Oxide Crystal. <i>Optical Review</i> , 1996 , 3, 124-127	0.9	2
38	Introduction to FUV and DUV Spectroscopy 2015 , 1-16		2
37	Plasmon saturation induced super-resolution imaging 2013 ,		1
36	Femtosecond laser fabrication of gold nanorod/polymer composite microstructures 2012 ,		1
35	Surface- and Tip-Enhanced CARS 2010 , 305-321		1
34	Stimulation of living cells by femtosecond near-infrared laser pulses 2003 ,		1
33	Dynamical Studies of Optically Induced Orientation Processes in Photochromic Isomers : Experiment and Theory. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 344, 107-112		1

32	Characterization of Organic Photochromic Materials as 3D Optical Data Storage Media. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 344, 23-30		1
31	Elimination of nonpivotal plane images from x-ray motion tomograms. <i>IEEE Transactions on Medical Imaging</i> , 1985 , 4, 153-9	11.7	1
30	Laser Feedback Microscopy Controlling the Laser Oscillation of Semiconductor Laser by Reentered Light.. <i>The Review of Laser Engineering</i> , 1996 , 24, 1084-1090	0	1
29	Chapter 3 Near-field effects in tip-enhanced Raman scattering. <i>Advances in Nano-optics and Nano-photonics</i> , 2006 , 87-113		1
28	Near-field effects in tip-enhanced Raman scattering 2007 , 87-113		1
27	Correlative force and tip-enhanced Raman microscopy. <i>APL Photonics</i> , 2019 , 4, 021301	5.2	
26	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	
25	Nanopatterning of Photosensitive Polymer Films 2011 , 571-589		
24	Size-dependent mechanical properties of polymer-nanowires fabricated by two-photon lithography. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1224, 1		
23	Photo-polymerizable gold nanorods / methyl methacrylate composite for plasmonic optical application. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1312, 1		
22	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	
21	New Trends in Plasmonics for New Optical Devices. <i>The Review of Laser Engineering</i> , 2008 , 36, 111-116	0	
20	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	
19	Photopolymerization and Metalization for Fabricating Functional Devices and Metamaterials. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 921, 1		
18	Raman, CARS and near-field Raman-CARS microscopy for cellular and molecular imaging. <i>Handai Nanophotonics</i> , 2007 , 3, 57-71		
17	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	
16	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	
15	Tip-enhanced Near-field Raman Spectroscopy for Nano-imaging. <i>Hyomen Kagaku</i> , 2005 , 26, 667-674		

- 14 Two-Photon Laser Micro-Nano Fabrication; Understanding from Single-Voxel Level. *Materials Research Society Symposia Proceedings*, **2002**, 758, 461
- 13 ??????????????????. *The Review of Laser Engineering*, **1996**, 24, 1037-1037 ○
- 12 MULTICHANNEL Fr-IR SPECTROMETER WITH A 4096-ELEMENT INFRARED CCD. *Analytical Sciences*, **1991**, 7, 575-576 1.7
- 11 Resonance enhancement of coherent anti-Stokes Raman scattering microscopy. *Proceedings of the JSME Bioengineering Conference and Seminar*, **2002**, 2002.13, 85-86
- 10 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 ○
- 9 Near-Field Infrared Microspectroscopy for Chemical Imaging. *The Review of Laser Engineering*, **2003**, 31, 829-834 ○
- 8 Generation and Formation of Gold Nanoparticles with Spatial Control by Two-Photon Femtosecond Laser Interference. *Materials Research Society Symposia Proceedings*, **2003**, 780, 261
- 7 Creation of a Micro-Nanoworld with Photons. *Seikei-Kakou*, **2005**, 17, 524-527 ○
- 6 A method to control spatial coherence of a laser microscope.. *Journal of the Spectroscopical Society of Japan*, **1990**, 39, 359-361
- 5 Laser Reviews. Near-field Laser-Scanning Microscope.. *The Review of Laser Engineering*, **1996**, 24, 1038-1044
- 4 ??????. *The Review of Laser Engineering*, **1997**, 25, 191-193,202 ○
- 3 Near-field Optical Sensing. *The Review of Laser Engineering*, **1997**, 25, 207-210 ○
- 2 Multiphoton Microscopy: New Markets and Technology Brought by Femtosecond Lasers. *The Review of Laser Engineering*, **1999**, 27, 804-804 ○
- 1 Near-Field Raman Microscopy for Nanometric Observation. *Seibutsu Butsuri*, **2010**, 50, 300-301 ○