Yuji Oki

List of Publications by Year
in descending order

168 papers	1,202 citations	471509 17 h-index	454955 30 g-index
168 all docs	168 docs citations	168 times ranked	1040 citing authors

#	Article	IF	Citations
1	Narrow-bandpass transparent/diffusing materials using soft scattering based on dispersed refractive index difference. Optical Materials Express, 2022, 12, 738.	3.0	2
2	Solid phase dye molecular dispersion property of PDMS-based thermoplastic elastomer. Optical Materials Express, 2022, 12, 196.	3.0	2
3	Embedding Optical Microcavities in Nanoporous SiO₂ Film via Infill Inkjet Printing. Advanced Photonics Research, 2022, 3, .	3.6	2
4	Ink-jet printed, blended polymer-based microdisk resonators for controlling non-specific adsorption of biomolecules. Optics Letters, 2021, 46, 262.	3.3	8
5	Silk fibroin microspheres as optical resonators for wide-range humidity sensing and biodegradable lasers. Materials Chemistry Frontiers, 2021, 5, 5653-5657.	5.9	15
6	Fully room temperature and label free biosensing based on an ink-jet printed polymer microdisk laser. Optical Materials Express, 2021, 11, 592.	3.0	11
7	Tunable and flexible deep-ultraviolet bandpass filters based on micro- and nanoparticle/polydimethylsiloxane hybrid membranes. Optical Materials, 2021, 115, 111073.	3.6	2
8	Ink-jet printed, blended polymer-based microdisk resonators for controlling non-specific adsorption of biomolecules: publisherâ€™s note. Optics Letters, 2021, 46, 3070.	3.3	0
9	Dynamic control of reflective/diffusive optical surfaces on EGaIn liquid metal. Optical Materials Express, 2021, 11, 2099.	3.0	10
10	Polarization-dependent refractive index analysis for nanoporous microcavities by ray tracing of a propagating electromagnetic field. Optical Materials Express, 2021, 11, 2924.	3.0	2
11	0.5â€“4.5 THz band terahertz spectroscopy of thermally activated delayed fluorescence molecules. Optics Communications, 2020, 476, 126339.	2.1	3
12	Enzyme-linked immunosorbent assay based on light absorption of enzymatically generated aniline oligomer: Flow injection analysis for 3-phenoxybenzoic acid with anti-3-phenoxybenzoic acid monoclonal antibody. Talanta, 2020, 218, 121102.	5.5	6
13	3D printed silicone platforms with laser-scattering protein detection under flow analysis conditions as a development of Silicone Optical Technology (SOT). Microchemical Journal, 2020, 157, 104936.	4.5	3
14	On-demand inkjet-printed microdisk laser with air cladding by liquid flow microetching. Applied Optics, 2020, 59, 6340.	1.8	1
15	Development of ultraviolet down conversion filters based on scattering filter materials. , 2020, , .		0
16	Fully room temperature bio-sensing using active microdisk fabricated by ink-jet printing method. , 2020, , .		0
17	Direct-printing Method of Waveguide and Flow-channel on Transparent Nano-porous SiO2 Film. , 2020, , .		0
18	Effect of Edge Angle of Ink-Jet Printed Microdisk Lasers on Mode Shift Due to Protein Adsorption. , 2020, , .		0

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19	Flow-through optical device based on silicone optical technology (SOT) for determination of iron in drinkable tap water. Microchemical Journal, 2020, 157, 104897.	4.5	3
20	Lasing characteristics of a pyrromethene597-doped microdisk laser fabricated by the ink-jet printing method. Japanese Journal of Applied Physics, 2019, 58, SJJC05.	1.5	9
21	Carbon Dots Modification for Escherichia coli Detection: Variation of Colistin Sulphate Concentration. Oriental Journal of Chemistry, 2019, 35, 49-55.	0.3	3
22	Fluorescence lifetime elongation of thermally activated delayed fluorescence 4CzIPN molecules with encapsulation into zeolitic imidazole frameworks ZIF-11. Optical Materials Express, 2019, 9, 1150.	3.0	4
23	Continuous cell culture monitoring using a compact microplate reader with a silicone optical technology-based spatial filter. Review of Scientific Instruments, 2019, 90, 035106.	1.3	2
24	Compact and on-demand 3D-printed optical device based on silicone optical technology (SOT) for on-site measurement: Application to flow injection analysis. Review of Scientific Instruments, 2019, 90, 104103.	1.3	1
25	3D printing optical devices based on silicone optical technology (SOT) and its application on analytical chemistry. , 2019, , .		2
26	Demonstration of on-chip quantum dot microcavity lasers in a molecularly engineered annular groove. Optics Letters, 2019, 44, 495.	3.3	3
27	Investigation and modeling of UV band-pass-filtering white compound materials for potting or embedding in micro-optical applications. Optical Materials Express, 2019, 9, 1002.	3.0	6
28	Improvement of lasing threshold of ink-jet printed polymeric microdisk cavity by precise controlled wet etching. , 2019, , .		0
29	Changes in optical characteristics induced by polymer blending in printed colloidal quantum dots microlasers. Optics Express, 2019, 27, 19615.	3.4	2
30	Lasing from Printable Organic-Inorganic Microdisk Cavity with Mixed Doping of Laser Dye and ZnO. , 2018, , .		0
31	Organic-inorganic hybrid microdisk laser with dye and silica mixed doping prepared by ink-jet printing method. Optics Express, 2018, 26, 7140.	3.4	9
32	Effects of edge inclination angles on whispering-gallery modes in printable wedge microdisk lasers. Optics Express, 2018, 26, 233.	3.4	17
33	Demonstration of versatile whispering-gallery micro-lasers for remote refractive index sensing. Optics Express, 2018, 26, 5800.	3.4	16
34	Silicone Optical Technology: Quasi Spatial Filter and Its Application for Multichannel Absorption Analysis. , 2018, , .		1
35	Highly Transparent Organic Microdisk Cavity in Visible Range by the Ink-jet Printing Method. , 2018, , .		1
36	Novel spectroscopic transparent/scattering material for 260/280nm ultraviolet optical detection. , 2018, , .		0

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37	On-demand lens fabrication by liquid phase molding with gallium and Polydimethylsiloxane. , 2018, , .		0
38	Carbonâ€“polydimethylsiloxane-based integratable optical technology for spectroscopic analysis. Talanta, 2017, 166, 428-432.	5.5	28
39	Dipole orientation analysis without optical simulation: application to thermally activated delayed fluorescence emitters doped in host matrix. Scientific Reports, 2017, 7, 8405.	3.3	10
40	In-Plane Anisotropic Molecular Orientation of Pentafluorene and Its Application to Linearly Polarized Electroluminescence. ACS Applied Materials & Interfaces, 2017, 9, 27054-27061.	8.0	4
41	On-chip, high-sensitivity temperature sensors based on dye-doped solid-state polymer microring lasers. Applied Physics Letters, 2017, 111, .	3.3	37
42	Highly efficient organic light-emitting diodes with completely oriented delayed fluorescent emitters. , 2017, , .		0
43	THz absorption measurement and calculation of organic thermally activated delayed fluorescence materials. , 2017, , .		0
44	Investigation of protein adsorption for biosensors based on ink-jet printed active microdisk resonator. , 2017, , .		1
45	Water-like-refractive-index microdisk cavity by the ink-jet printing method. , 2017, , .		0
46	Gallium and polydimethylsiloxane molding for self-organized spherical lens surface fabrication. Applied Optics, 2017, 56, 9900.	1.8	8
47	6.3 eV DUV Generation Based on Microchip Nd:YAG Laser. , 2017, , .		0
48	Silica-based Inorganic Microdisk Cavity by the Ink-jet Printing Method. , 2017, , .		0
49	Controlling mobility speed of dye molecules in polydimethylsiloxane through molecular weight and solubility. Optical Materials Express, 2016, 6, 3417.	3.0	3
50	Electroluminescence from completely horizontally oriented dye molecules. Applied Physics Letters, 2016, 108, .	3.3	73
51	06 â€“ 16 THz band spectroscopy of organic thermally activated delayed fluorescence materials. Optical Materials Express, 2016, 6, 3045.	3.0	8
52	Ultra-low Threshold Lasing at 0.8 Î¼m from Organic Microdisk Cavity by the Ink-jet Printing Method. , 2016, , .		0
53	Extreme ultra-low lasing threshold of full-polymeric fundamental microdisk printed with room-temperature atmospheric ink-jet technique. Scientific Reports, 2015, 5, 10623.	3.3	31
54	Absorbance-meter constructed by PDMS. , 2015, , .		0

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55	Spectroscopic behavior in whispering-gallery modes by edge formation of printed microdisk lasers. Proceedings of SPIE, 2015, , .	0.8	0
56	Milk basic protein supplementation enhances fracture healing in mice. Nutrition, 2015, 31, 399-405.	2.4	9
57	Q-switched fiber laser based on carbon nano wall saturable absorber. , 2015, , .		2
58	Low-threshold lasing from organic and polymeric microdisk printed by room temperature atmosphere ink-jet technique. , 2015, , .		1
59	Ultrathin sectioning with DUV-pulsed laser ablation: development of a laser ablation nano tome. Microscopy (Oxford, England), 2015, 64, 289-296.	1.5	2
60	On-Demand Fabrication of Micro-Wired Rods and Nano-Coupling Control for 3D Polymeric Optical System. , 2015, , .		0
61	Stackable spectral-sensitive conductive films based on cyanine aggregates via an inkjet method. Dyes and Pigments, 2013, 98, 333-338.	3.7	7
62	Spectral-resolving capable and integratable multilayered conductive films via an inkjet method. Journal of Materials Chemistry C, 2013, 1, 1739.	5.5	16
63	Fluorene-based chromophore for degradation-recoverable solid-state dye laser. Optical Materials Express, 2013, 3, 176.	3.0	7
64	Degradation self-recovery and durability extension on solid-state dye laser in blue region. , 2013, , .		0
65	Micro-dispensing for three-dimensional direct fabrication of laser waveguides. , 2013, , .		0
66	Fundamental characteristics of degradation- recoverable solid-state DFB polymer laser. Optics Express, 2012, 20, 4690.	3.4	24
67	Optical bending sensor using distributed feedback solid state dye lasers on optical fiber. Optics Express, 2012, 20, 14938.	3.4	8
68	Printable laser system on a film and an optical fiber. , 2012, , .		0
69	Medical Lasers on Wavelength Tables, and Their History. Nippon Laser Igakkaishi, 2012, 33, 142-151.	0.0	2
70	Development of Integratable Laser for Optofluidic Chip. The Review of Laser Engineering, 2012, 40, 952.	0.0	0
71	Nd3+-TFA:HPDA Polymeric Microchip Laser. , 2012, , .		0
72	Preface to Topical Papers on Optofl uidics: Integration of Microphotonics and Microfl owcytometry. The Review of Laser Engineering, 2012, 40, 911.	0.0	0

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73	Laser Action of Nd-Complex-Doped Polymer Laser Based on Liquid. Molecular Crystals and Liquid Crystals, 2011, 539, 225/[565]-230/[570].	0.9	2
74	Degradation recoverable DFB lasers based on P597:PDMS/PTFEMA. , 2011, , .		1
75	Printable DFB Laser and Wavelength Monitor Systems by On Demand Fabrication on Flexible Films. , 2011, , .		1
76	Monochromatic Organic Photodiodes Made by Stackable Ink-jet Fabrication for Integrated Laser Chips. , 2011, , .		0
77	Highly photostable distributed-feedback polymer waveguide blue laser using spirobifluorene derivatives. Optical Materials, 2011, 33, 755-758.	3.6	15
78	Wavelength sensitive photodiodes in the visible based on J-type aggregated films patterned by inkjet method. Organic Electronics, 2011, 12, 405-410.	2.6	24
79	Intensity Sensitive Organic Photodiodes Patterned by Inkjet Method. Molecular Crystals and Liquid Crystals, 2011, 538, 136-142.	0.9	4
80	High Efficient Laser Action by Nd3+ Complex. , 2011, , .		0
81	Direct Laser fabrication on Polymeric Optical Fiber and Its Sensor Application. , 2011, , .		0
82	Solid-State Polymer Waveguide DFB Laser with Self Dye-Circulatory Function. , 2011, , .		0
83	Development of print-like-fabrication techniques for distributed feedback solid state dye lasers with multiple-layered structure. , 2010, , .		1
84	Spectroscopic properties of J-aggregated cyanine in micro-sized film by ink-jet spotting. , 2010, , .		0
85	Wavelength resolution improvement on organic photodiodes made by ink-jet technique. , 2010, , .		0
86	Patterning on Cyanine-Dye-Doped Conductive Polymer Films by Ink Jet Method. Japanese Journal of Applied Physics, 2010, 49, 010204.	1.5	9
87	Picosecond-Pulse-Pumped Distributed-Feedback Thick-Film Waveguide Blue Laser Using Fluorescent Brightener 135. Japanese Journal of Applied Physics, 2010, 49, 072105.	1.5	8
88	Highly photo-stable dye doped solid-state distributed-feedback (DFB) channeled waveguide lasers by a pen-drawing technique. Optics Express, 2010, 18, 22080.	3.4	25
89	A distributed-feedback organic waveguide blue laser using spirobifluorene derivatives. , 2010, , .		0
90	Tunable waveguide dye laser on a plastic optical fiber. , 2010, , .		0

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91	Integration of tunable DFB solid-state dye lasers on PDMS chip with flowchannels. , 2009, , .		0
92	Wavelength sensitive organic photo-diodes for integrated lasers by ink-jet method. , 2009, , .		0
93	Development of multicolor DFB dye laser by Transversal Quasi-Mode-Coupling method. , 2009, , .		1
94	Highly Efficient Long-Lifetime Dual-Layered Waveguide Dye Laser Containing SiO2Nanoparticle-Dispersed Random Scattering Active Media. Japanese Journal of Applied Physics, 2009, 48, 112503.	1.5	15
95	Development of print-like-fabrication techniques for solid-state & dual-core-waveguide DFB dye lasers. , 2009, , .		0
96	Durable & printable blue-violet DFB solid-state dye lasers using spirobifluorene derivatives. , 2009, , .		0
97	Diagnostics of Scattering Atoms for High Sensitive Spectroscopy Using Low-Fluence Laser Ablation. The Review of Laser Engineering, 2008, 36, 206-210.	0.0	0
98	Development of Laser-Induced Breakdown Spectroscopy System with a Palm-top Nd:YAG Laser. The Review of Laser Engineering, 2008, 36, 1269-1272.	0.0	2
99	Integration of Multiple-DFB Dye Lasers and Microflow-Channel on a Polymeric Chip. , 2008, , .		3
100	Incorporable DFB dye lasers for micro-flow-channels on a polymeric chip. , 2008, , .		0
101	Distributed Feedback Waveguide Laser of Organic Nano-compound Material. Molecular Crystals and Liquid Crystals, 2007, 463, 173/[455]-183/[465].	0.9	4
102	Modulatable and monolithic SHG waveguide based on PPLN and EO-phase-modulator. , 2007, , .		0
103	Highly efficient pico-second waveguide dye laser based on a random active medium. , 2007, , .		0
104	Integration of Optical Pumped Dye Laser on Organic Microflowcytometry Chip. Molecular Crystals and Liquid Crystals, 2007, 463, 131/[413]-140/[422].	0.9	13
105	Development of Compact 473nm Laser Using Intra-Cavity SHG with Short-PPSLT. , 2007, , .		0
106	Direct coupling of multi-color film dye lasers to a micro-flow-channel on a polymeric chip. , 2007, , .		1
107	Development of Quasi-End-Fired Waveguide Plastic Dye Laser. IEEE Journal of Quantum Electronics, 2006, 42, 389-396.	1.9	16
108	Coupling control on quasi-end-fired DFB film dye laser on a plastic chip. , 2006, , .		0

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109	High-peak power output from a waveguide dye laser based on a random active layer. , 2006, , .		0
110	Development of a quasi-phase-matched, second-harmonic generation periodically poled lithium niobate waveguide with an integrated electro-optical modulator. Optics Letters, 2006, 31, 1492.	3.3	6
111	Integration of plastic waveguide lasers on film and its application. , 2006, , .		0
112	Active control of the ablation plume for laser ablation atomic fluorescence spectroscopy. , 2006, , .		0
113	Nanometer-Scale Depth Resolution and Sensitive Surface Analysis Using Laser Ablation Atomic Fluorescence Spectroscopy. Japanese Journal of Applied Physics, 2006, 45, 5322-5325.	1.5	6
114	Proposal of waveguided PPLN SHG device with conversion efficiency modulator. , 2005, , .		1
115	Spectroscopic Applications of Integrated Tunable Solid-State Dye Laser. Optical Review, 2005, 12, 301-306.	2.0	15
116	Development of Distributed-Feedback Tunable Blue-Violet Waveguide Plastic Laser Based on Fluorene Compound. Japanese Journal of Applied Physics, 2005, 44, 1759-1763.	1.5	10
117	Waveguide dye laser including a SiO2 nanoparticle-dispersed random scattering active layer. Applied Physics Letters, 2005, 86, 151123.	3.3	38
118	Development of Integrated Tunable Laser System for Laser Spectroscopy. Molecular Crystals and Liquid Crystals, 2004, 424, 55-63.	0.9	9
119	Numerical simulation of a pulsed laser pumped distributed-feedback waveguided dye laser by coupled-wave theory. IEEE Journal of Quantum Electronics, 2003, 39, 673-680.	1.9	6
120	Wide-Wavelength-Range Operation of a Distributed-Feedback Dye Laser with a Plastic Waveguide. Japanese Journal of Applied Physics, 2002, 41, 6370-6374.	1.5	52
121	Multiwavelength distributed-feedback dye laser array and its application to spectroscopy. Optics Letters, 2002, 27, 1220.	3.3	90
122	Feasibility of nonlinear Raman lidar based on stimulated Raman gain spectroscopy without a tunable laser. Applied Optics, 2002, 41, 2328.	2.1	4
123	Fabrication of a distributed-feedback dye laser with a grating structure in its plastic waveguide. Applied Optics, 2002, 41, 5030.	2.1	58
124	Long lifetime and high repetition rate operation from distributed feedback plastic waveguided dye lasers. Optics Communications, 2002, 214, 277-283.	2.1	52
125	Influence of Irradiation Wavelength on Atomic Emission Spectroscopy Using Laser Ablation. Japanese Journal of Applied Physics, 2001, 40, 2556-2557.	1.5	1
126	Development of a compact light source at 1.67 Î¼m for methane leak detection using DIAL. , 2001, , .		1

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127	Nonlinear Raman spectroscopy without tunable laser and application to lidar. , 2001, , .		0
128	Laser pulse measurement by four wave mixing. The Review of Laser Engineering, 2001, 29, 141-141,147.	0.0	0
129	Nanometer-scale surface element analysis in polymers using laser ablation atomic fluorescence spectroscopy. Journal of Applied Physics, 2000, 87, 1029-1033.	2.5	11
130	Sensitive H_2 detection by use of thermal-lens Raman spectroscopy without a tunable laser. Optics Letters, 2000, 25, 1040.	3.3	11
131	Thin-Layer Ablation of Metals and Silicon by Femtosecond Laser Pulses for Application to Surface Analysis. Japanese Journal of Applied Physics, 2000, 39, 6277-6280.	1.5	28
132	Nonlinear Raman spectroscopy without tunable laser for sensitive gas detection in the atmosphere. Optics Communications, 1999, 161, 57-62.	2.1	15
133	Geometrical Form Factor Improvement for Receiving System of Infrared Lidar. Optical Review, 1999, 6, 464-470.	2.0	1
134	Differential Absorption Lidar at 1.67 Âµm for Remote Sensing of Methane Leakage. Japanese Journal of Applied Physics, 1999, 38, 110-114.	1.5	30
135	Detection of Trace Molecules in the Atmosphere by Nonlinear Raman Spectroscopy without a Tunable Laser.. The Review of Laser Engineering, 1999, 27, 194-198.	0.0	1
136	UV-Laser Ablation Spectroscopy in Element Analysis of Solid Surface. Optical Review, 1998, 5, 242-246.	2.0	11
137	Remote sensing of methane differential absorption lidar at 1.67 /spl mu/m. , 1998, , .		0
138	Tunable Ultrashort Pulse Generation from a Waveguided Laser with Premixed-Dye-Doped Plastic Film. Japanese Journal of Applied Physics, 1998, 37, 6403-6407.	1.5	21
139	Removal of thin layer for trace element analysis of solid surface in subnanometer scale using laser-ablation atomic fluorescence spectroscopy. Applied Physics Letters, 1997, 71, 2916-2918.	3.3	13
140	Sensitive Trace Gas Detection By Photoacoustic Raman Spectroscopy Without Tunable Laser. , 1997, , .		0
141	Ultrashort pulse generation from an integrated single-chip dye laser. IEEE Journal of Quantum Electronics, 1997, 33, 2146-2149.	1.9	41
142	Sensitive H 2 Detection Using a New Technique of Photoacoustic Raman Spectroscopy. Japanese Journal of Applied Physics, 1997, 36, L1172-L1174.	1.5	11
143	Extremely sensitive Na detection in pure water by laser ablation atomic fluorescence spectroscopy. Optics Communications, 1997, 133, 123-128.	2.1	26
144	Efficiencies of Laser Dyes for Atomic Vapor Laser Isotope Separation.. The Review of Laser Engineering, 1995, 23, 752-761.	0.0	0

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145	Tunable Solid-state Laser. Expansion of Tunable Range of Pulsed Ti: sapphire Lasers by Nonlinear Optical Techniques.. The Review of Laser Engineering, 1995, 23, 828-837.	0.0	0
146	Enhancement of sensitivity of optogalvanic spectroscopy in a flame by laser ionization. Optics Communications, 1994, 110, 105-108.	2.1	0
147	Trace element analysis by laser ablation atomic fluorescence spectroscopy. Optics Communications, 1994, 110, 298-302.	2.1	16
148	Application of a selective laser ionization photodetector for detection of Raman scattering in flames. Optics Communications, 1993, 98, 67-71.	2.1	1
149	Sensitive detection of trace elements in pure water by laser-induced atomic fluorescence spectroscopy in microwave discharge atomization. Analytical Chemistry, 1993, 65, 2096-2101.	6.5	19
150	Automatic wideâ€range scanning and calibration over 220â€“740 nm using a dye laser with a rapid cell exchanger. Review of Scientific Instruments, 1992, 63, 2927-2931.	1.3	6
151	A full-automaic tunable dye-laser system with a rapid dye-exchanger.. The Review of Laser Engineering, 1991, 19, 192-200.	0.0	0
152	Laser-induced-fluorescence detection of sodium atomized by a microwave-induced plasma with tungsten filament vaporization. Analytical Chemistry, 1990, 62, 680-683.	6.5	19
153	A maintenance-free TEA nitrogen laser for analytical spectroscopy.. The Review of Laser Engineering, 1990, 18, 79-83.	0.0	0
154	Differential absorption lidar at 1.67 Î¼m for the detection of methane gas leakage. , 0, , .		0
155	Application of laser ablation atomic fluorescence spectroscopy for nanometer solid surface analysis. , 0, , .		0
156	Distributed feedback laser operation of dye doped plastic waveguide. , 0, , .		0
157	Proposal of nonlinear Raman lidar based on stimulated Raman gain spectroscopy without tunable laser. , 0, , .		0
158	Nanometer-scale surface element analysis using laser ablation atomic fluorescence spectroscopy. , 0, , .		0
159	Polymer-based solid-state multi-strip dye lasers for laser spectroscopy without frequency scanning. , 0, , .		0
160	Trace element analysis of nanometer-scaled solid state surface by laser ablation atomic fluorescence spectroscopy. , 0, , .		0
161	End fired operation of plastic distributed feedback dye laser. , 0, , .		0
162	Blue and green laser using waveguided PPLN and laser diode. , 0, , .		0

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163	Atogram Detection on Solid Surface Analysis Using Laser Ablation Atomic Spectroscopy. , 0, , .		0
164	Pumping profile control on Quasi-End-Fired waveguide DFB laser. , 0, , .		0
165	Development violet−green region of Distributed-Feedback Tunable Plastic Dye Lasers. , 0, , .		0
166	Direct fabrication of surface relief grating for integrated waveguide tunable dye lasers. , 0, , .		0
167	Atogram and nanometer trace element detection from solid surface by soft laser ablation atomic fluorescence spectroscopy. , 0, , .		0
168	Designing and development of waveguided QPM-SHG PPLN chip with integrated EO modulator. , 0, , .		0