

Wataru Yoshiki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Brillouin lasing in coupled silica toroid microcavities. Applied Physics Letters, 2018, 112, .	3.3	11
2	All-optical tunable buffering with coupled ultra-high Q whispering gallery mode microcavities. Scientific Reports, 2017, 7, 10688.	3.3	27
3	Dispersion tailoring of a crystalline whispering gallery mode microcavity for optical Kerr frequency comb generation. , 2017, , .		0
4	Effect on Kerr comb generation in a clockwise and counter-clockwise mode coupled microcavity. Optics Express, 2017, 25, 28969.	3.4	26
5	Geometric tuning: spectroscopy using whispering-gallery resonator frequency-synthesizers. Optica, 2017, 4, 1205.	9.3	12
6	Brillouin lasing in coupled silica toroid microcavities. , 2017, , .		0
7	Demonstration of all-optical tunable buffering using coupled ultra-high-Q silica toroid microcavities. , 2017, , .		0
8	Adiabatic frequency conversion in an ultra-high-Q silica microcavity using the Kerr effect. , 2017, , .		0
9	Kerr-induced controllable adiabatic frequency conversion in an ultrahigh Q silica toroid microcavity. Optics Letters, 2016, 41, 5482.	3.3	12
10	Impact of the photorefractive and pyroelectric-electro-optic effect in lithium niobate on whispering-gallery modes. Optics Letters, 2016, 41, 5474.	3.3	15
11	Hysteresis behavior of Kerr frequency comb generation in a high-quality-factor whispering-gallery-mode microcavity. Japanese Journal of Applied Physics, 2016, 55, 072201.	1.5	15
12	Time-domain observation of strong coupling between counter-propagating ultra-high Q whispering gallery modes. , 2016, , .		2
13	The effect on Kerr comb generation in mode coupled WGM microcavity. , 2016, , .		0
14	Observation of energy oscillation between strongly-coupled counter-propagating ultra-high Q whispering gallery modes. Optics Express, 2015, 23, 30851.	3.4	17
15	Broad-bandwidth pulse propagation through ultrahigh-quality-factor microcavity with chirped pulse. Japanese Journal of Applied Physics, 2015, 54, 122201.	1.5	0
16	CMOS compatible high-Q photonic crystal nanocavity fabricated with photolithography on silicon photonic platform. Scientific Reports, 2015, 5, 11312.	3.3	46
17	Low-power on-chip all-optical Kerr switch with silica microcavity. , 2015, , .		0
18	Performance of Kerr bistable memory in silicon nitride microring and silica microtoroid. Japanese Journal of Applied Physics, 2014, 53, 122202.	1.5	2

#	ARTICLE	IF	CITATIONS
19	All-optical switching using Kerr effect in a silica toroid microcavity. Optics Express, 2014, 22, 24332.	3.4	58
20	Demonstration of wavelength tuning of silica toroid microcavity via additional laser reflow. , 2013, , .		0
21	Revealing conditions required for achieving Kerr bistable memory based on whispering gallery mode cavity. , 2013, , .		0
22	Analysis of bistable memory in silica toroid microcavity. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3335.	2.1	13
23	Octagonal silica toroidal microcavity for controlled optical coupling. Applied Physics Letters, 2012, 101, 121101.	3.3	17