

# Wataru Yoshiki

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

273  
citations

933447

10  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-optical switching using Kerr effect in a silica toroid microcavity. <i>Optics Express</i> , 2014, 22, 24332.	3.4	58
2	CMOS compatible high-Q photonic crystal nanocavity fabricated with photolithography on silicon photonic platform. <i>Scientific Reports</i> , 2015, 5, 11312.	3.3	46
3	All-optical tunable buffering with coupled ultra-high Q whispering gallery mode microcavities. <i>Scientific Reports</i> , 2017, 7, 10688.	3.3	27
4	Effect on Kerr comb generation in a clockwise and counter-clockwise mode coupled microcavity. <i>Optics Express</i> , 2017, 25, 28969.	3.4	26
5	Octagonal silica toroidal microcavity for controlled optical coupling. <i>Applied Physics Letters</i> , 2012, 101, 121101.	3.3	17
6	Observation of energy oscillation between strongly-coupled counter-propagating ultra-high Q whispering gallery modes. <i>Optics Express</i> , 2015, 23, 30851.	3.4	17
7	Impact of the photorefractive and pyroelectric-electro-optic effect in lithium niobate on whispering-gallery modes. <i>Optics Letters</i> , 2016, 41, 5474.	3.3	15
8	Hysteresis behavior of Kerr frequency comb generation in a high-quality-factor whispering-gallery-mode microcavity. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 072201.	1.5	15
9	Analysis of bistable memory in silica toroid microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 3335.	2.1	13
10	Kerr-induced controllable adiabatic frequency conversion in an ultrahigh Q silica toroid microcavity. <i>Optics Letters</i> , 2016, 41, 5482.	3.3	12
11	Geometric tuning: spectroscopy using whispering-gallery resonator frequency-synthesizers. <i>Optica</i> , 2017, 4, 1205.	9.3	12
12	Brillouin lasing in coupled silica toroid microcavities. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	11
13	Performance of Kerr bistable memory in silicon nitride microring and silica microtoroid. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 122202.	1.5	2
14	Time-domain observation of strong coupling between counter-propagating ultra-high Q whispering gallery modes. , 2016, , .		2
15	Demonstration of wavelength tuning of silica toroid microcavity via additional laser reflow. , 2013, , .		0
16	Broad-bandwidth pulse propagation through ultrahigh-quality-factor microcavity with chirped pulse. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 122201.	1.5	0
17	Low-power on-chip all-optical Kerr switch with silica microcavity. , 2015, , .		0
18	Dispersion tailoring of a crystalline whispering gallery mode microcavity for optical Kerr frequency comb generation. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Brillouin lasing in coupled silica toroid microcavities. , 2017, , .		0
20	Revealing conditions required for achieving Kerr bistable memory based on whispering gallery mode cavity. , 2013, , .		0
21	The effect on Kerr comb generation in mode coupled WGM microcavity. , 2016, , .		0
22	Demonstration of all-optical tunable buffering using coupled ultra-high-Q silica toroid microcavities. , 2017, , .		0
23	Adiabatic frequency conversion in an ultra-high-Q silica microcavity using the Kerr effect. , 2017, , .		0