

# Alireza Taghizadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

769  
citations

516710

16  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

801  
citing authors



#	ARTICLE	IF	CITATIONS
19	Quality factor enhancement in photonic crystal slabs by manipulation of the ring of exceptional points. , 2017, , .		0
20	Compact dielectric cavities based on frozen bound states in the continuum. , 2017, , .		0
21	Efficient quality-factor estimation of a vertical cavity employing a high-contrast grating. , 2017, , .		0
22	Control of exceptional points in photonic crystal slabs. Optics Letters, 2017, 42, 2866.	3.3	17
23	Ultrabroadband hybrid III-V/SOI grating reflector for on-chip lasers. , 2016, , .		0
24	Hybrid III-V/SOI resonant cavity photodetector. , 2016, , .		0
25	Hybrid grating reflectors: Origin of ultrabroad stopband. Applied Physics Letters, 2016, 108, 141108.	3.3	17
26	Numerical Investigation of Vertical Cavity Lasers With High-Contrast Gratings Using the Fourier Modal Method. Journal of Lightwave Technology, 2016, 34, 4240-4251.	4.6	10
27	Hybrid III-V/SOI resonant cavity enhanced photodetector. Optics Express, 2016, 24, 16512.	3.4	17
28	Toward 100 GHz direct modulation rate of antenna coupled nanoLED. , 2016, , .		3
29	Hybrid III-V on Si grating as a broadband reflector and a high-Q resonator. , 2016, , .		0
30	Hybrid vertical-cavity laser with lateral emission into a silicon waveguide. Laser and Photonics Reviews, 2015, 9, L11.	8.7	46
31	Vertical-cavity in-plane heterostructures: Physics and applications. Applied Physics Letters, 2015, 107, 181107.	3.3	22
32	Ultracompact resonator with high quality-factor based on a hybrid grating structure. Optics Express, 2015, 23, 14913.	3.4	26
33	Effect of In-plane Mirror Dispersion on Vertical Cavities Based on High-Contrast Grating Mirrors. , 2015, , .		2
34	Hybrid grating reflector with high reflectivity and broad bandwidth. Optics Express, 2014, 22, 21175.	3.4	26
35	Comparison of different numerical methods for quality factor calculation of nano and micro photonic cavities. , 2014, , .		3