

Daniel Bachman

List of Publications by Year in descending order

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16
papers

186
citations

1478505

6
h-index

1474206

9
g-index

16
all docs

16
docs citations

16
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal nonlinearity and optical bistability in a graphene-silicon waveguide resonator. Optics Letters, 2013, 38, 5036.	3.3	49
2	Permanent fine tuning of silicon microring devices by femtosecond laser surface amorphization and ablation. Optics Express, 2013, 21, 11048.	3.4	36
3	All-plasmonic switching based on thermal nonlinearity in a polymer plasmonic microring resonator. Optics Letters, 2011, 36, 2731.	3.3	31
4	Polymer Hybrid Plasmonic Waveguides and Microring Resonators. IEEE Photonics Technology Letters, 2011, 23, 1267-1269.	2.5	27
5	Femtosecond laser tuning of silicon microring resonators. Optics Letters, 2011, 36, 4695.	3.3	15
6	Postfabrication Phase Error Correction of Silicon Photonic Circuits by Single Femtosecond Laser Pulses. Journal of Lightwave Technology, 2017, 35, 588-595.	4.6	9
7	Permanent Phase Correction in a Polarization Diversity Si PIC by Femtosecond Laser Pulses. IEEE Photonics Technology Letters, 2015, 27, 1880-1883.	2.5	5
8	Negative coupling and coupling phase dispersion in a silicon quadrupole micro-racetrack resonator. Optics Express, 2015, 23, 20089.	3.4	4
9	Fabrication and Characterization of Edge-Conformed Graphene-Silicon Waveguides. IEEE Photonics Technology Letters, 2015, 27, 585-587.	2.5	3
10	All-optical switching in SU-8 conductor-gap-dielectric plasmonic microring resonator using thermal nonlinearity. , 2011, , .		2
11	Fabrication of Highly Ordered Cylindrical Nanopores with Modulated Diameter Using Anodic Alumina. , 2011, , .		1
12	Silicon photonic microring components for on-chip WDM networks. , 2013, , .		1
13	Edge-conformed silicon-graphene waveguides: Fabrication and measurements. , 2014, , .		1
14	Permanent, post-fabrication trimming of polarization diversity silicon circuits by single fs laser pulses. , 2014, , .		1
15	Post-fabrication Trimming of Silicon Photonic Circuits by Femtosecond Laser Pulses. , 2016, , .		1
16	Very fine refractive index tuning of silicon by single femtosecond laser pulses below melting threshold. , 2017, , .		0