

Roman Bruck

List of Publications by Year in descending order

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14
papers

403
citations

1040056

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1199594

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14
docs citations

14
times ranked

752
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Photonâ€“Plasmon Coupling and Ultrafast Control of Nanoantennas on a Silicon Photonic Chip. Nano Letters, 2018, 18, 610-617.	9.1	30
2	Ultrafast perturbation maps as a quantitative tool for testing of multi-port photonic devices. Nature Communications, 2018, 9, 2246.	12.8	6
3	Ultrafast allâ€“optical orderâ€“toâ€“chaos transition in silicon photonic crystal chips. Laser and Photonics Reviews, 2016, 10, 688-695.	8.7	5
4	Human IgG detection in serum on polymer based Mach-Zehnder interferometric biosensors. Journal of Biophotonics, 2016, 9, 218-223.	2.3	18
5	All-optical spatial light modulator for reconfigurable silicon photonic circuits. Optica, 2016, 3, 396.	9.3	47
6	Picosecond optically reconfigurable filters exploiting full free spectral range tuning of single ring and Vernier effect resonators. Optics Express, 2015, 23, 12468.	3.4	11
7	Device-level characterization of the flow of light in integrated photonic circuits using ultrafast photomodulation spectroscopy. Nature Photonics, 2015, 9, 54-60.	31.4	44
8	Integrated optical waveguide and nanoparticle based label-free molecular biosensing concepts. , 2014, , .		0
9	An ultrafast reconfigurable nanophotonic switch using wavefront shaping of light in a nonlinear nanomaterial. Light: Science and Applications, 2014, 3, e207-e207.	16.6	41
10	Plasmonic nanoantennas as integrated coherent perfect absorbers on SOI waveguides for modulators and all-optical switches. Optics Express, 2013, 21, 27652.	3.4	102
11	Ultrafast plasmonics using transparent conductive oxide hybrids in the epsilon-near-zero regime. Applied Physics Letters, 2013, 102, .	3.3	75
12	Biofilm Growth Monitoring on a-Si:H Based Mach-Zehnder Interferometric Biosensors. , 2012, , .		1
13	Multi-step surface functionalization of polyimide based evanescent wave photonic biosensors and application for DNA hybridization by Mach-Zehnder interferometer. Analytica Chimica Acta, 2011, 699, 206-215.	5.4	15
14	Polymer waveguide based biosensor. Proceedings of SPIE, 2008, , .	0.8	8