

Michael Krause

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

965
citations

840776

11
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Online Parallel Accumulationâ€“Serial Fragmentation (PASEF) with a Novel Trapped Ion Mobility Mass Spectrometer. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2534-2545.	3.8	602
2	Analysis of Raman lasing characteristics in silicon-on-insulator waveguides. <i>Optics Express</i> , 2004, 12, 5703.	3.4	91
3	Tunable Bragg reflectors on silicon-on-insulator rib waveguides. <i>Optics Express</i> , 2009, 17, 18518.	3.4	64
4	Backscattering and disorder limits in slow light photonic crystal waveguides. <i>Optics Express</i> , 2009, 17, 8676.	3.4	38
5	Finite-Difference Mode Solver for Curved Waveguides With Angled and Curved Dielectric Interfaces. <i>Journal of Lightwave Technology</i> , 2011, 29, 691-699.	4.6	25
6	Gain Enhancement in Cladding-Pumped Silicon Raman Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 692-704.	1.9	24
7	Resonance splitting in gyrotropic ring resonators. <i>Optics Letters</i> , 2010, 35, 3438.	3.3	23
8	PRM-LIVE with Trapped Ion Mobility Spectrometry and Its Application in Selectivity Profiling of Kinase Inhibitors. <i>Analytical Chemistry</i> , 2021, 93, 13791-13799.	6.5	20
9	Strong enhancement of Raman-induced nonreciprocity in silicon waveguides by alignment with the crystallographic axes. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	16
10	Polarization-Dependent Curvature Loss in Silicon Rib Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 1359-1362.	2.9	14
11	Stabilizing effect of line broadening in Raman fiber lasers. <i>Optics Communications</i> , 2003, 227, 355-361.	2.1	11
12	Measurement of nonreciprocal spontaneous Raman scattering in Silicon photonic wires. <i>Optics Express</i> , 2010, 18, 19532.	3.4	9
13	Maximal total gain of non-tapered silicon-on-insulator Raman amplifiers. , 2006, , .		9
14	Maximal gain and optimal taper design for Raman amplifiers in silicon-on-insulator waveguides. , 2005, , .		7
15	Nonreciprocal light transmission in silicon by Raman-induced asymmetry of the permittivity tensor. <i>Journal of Applied Physics</i> , 2012, 111, 093107.	2.5	4
16	Nonreciprocal Raman scattering in silicon waveguides. , 2010, , .		2
17	Measurement of nonreciprocal stimulated Raman scattering in silicon photonic wires. , 2012, , .		2
18	Cascading Raman lasers for reducing their threshold. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	On-Chip Preconcentration Microchip Capillary Electrophoresis Based CE-PRM-LIVE for High-Throughput Selectivity Profiling of Deubiquitinase Inhibitors. Analytical Chemistry, 2022, 94, 9508-9513.	6.5	2
20	Numerical calculation of the linewidth of Raman fiber lasers due to spontaneous Raman scattering. AEU - International Journal of Electronics and Communications, 2005, 59, 502-509.	2.9	0
21	Raman amplification and lasing in cladding-pumped silicon waveguides. , 2008, , .		0
22	Total gain of silicon Raman amplifiers: Scaling with group velocity in slow-light waveguides. , 2009, , .		0
23	Disorder limits in passive and amplifying slow light waveguides. , 2009, , .		0
24	Active and tunable waveguide devices based on silicon and silica for use in optical communication systems. , 2010, , .		0
25	Integrated Non Reciprocal Ring Resonators. Advanced Materials Research, 0, 216, 533-538.	0.3	0