

Michael Krause

List of Publications by Year in descending order

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25
papers

965
citations

840776

11
h-index

1058476

14
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25
all docs

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docs citations

25
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Chip Preconcentration Microchip Capillary Electrophoresis Based CE-PRM-LIVE for High-Throughput Selectivity Profiling of Deubiquitinase Inhibitors. <i>Analytical Chemistry</i> , 2022, 94, 9508-9513.	6.5	2
2	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
3	Online Parallel Accumulation-Serial Fragmentation (PASEF) with a Novel Trapped Ion Mobility Mass Spectrometer. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2534-2545.	3.8	602
4	Cascading Raman lasers for reducing their threshold. , 2013, , .		2
5	Measurement of nonreciprocal stimulated Raman scattering in silicon photonic wires. , 2012, , .		2
6	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
7	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
8	Active and tunable waveguide devices based on silicon and silica for use in optical communication systems. , 2010, , .		0
9	Nonreciprocal Raman scattering in silicon waveguides. , 2010, , .		2
10	Measurement of nonreciprocal spontaneous Raman scattering in Silicon photonic wires. <i>Optics Express</i> , 2010, 18, 19532.	3.4	9
11	Resonance splitting in gyrotropic ring resonators. <i>Optics Letters</i> , 2010, 35, 3438.	3.3	23
12	Backscattering and disorder limits in slow light photonic crystal waveguides. <i>Optics Express</i> , 2009, 17, 8676.	3.4	38
13	Tunable Bragg reflectors on silicon-on-insulator rib waveguides. <i>Optics Express</i> , 2009, 17, 18518.	3.4	64
14	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
15	Total gain of silicon Raman amplifiers: Scaling with group velocity in slow-light waveguides. , 2009, , .		0
16	Disorder limits in passive and amplifying slow light waveguides. , 2009, , .		0
17	Gain Enhancement in Cladding-Pumped Silicon Raman Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 692-704.	1.9	24
18	Raman amplification and lasing in cladding-pumped silicon waveguides. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Polarization-Dependent Curvature Loss in Silicon Rib Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1359-1362.	2.9	14
20	Maximal total gain of non-tapered silicon-on-insulator Raman amplifiers. , 2006, , .		9
21	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
22	Maximal gain and optimal taper design for Raman amplifiers in silicon-on-insulator waveguides. , 2005, , .		7
23	Analysis of Raman lasing characteristics in silicon-on-insulator waveguides. Optics Express, 2004, 12, 5703.	3.4	91
24	Stabilizing effect of line broadening in Raman fiber lasers. Optics Communications, 2003, 227, 355-361.	2.1	11
25	Integrated Non Reciprocal Ring Resonators. Advanced Materials Research, 0, 216, 533-538.	0.3	0