

# DeGui

## List of Publications by Year in descending order

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1684188  
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docs citations

18  
times ranked

61  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Numerical Analysis for Silicon-on-Insulator Rib Waveguide Corners. Journal of Lightwave Technology, 2009, 27, 4610-4618.	4.6	15
2	Analysis for the nonlinear electro-optic modulation effect of BaTiO <sub>3</sub> crystal thin-film waveguide modulators. Journal of Applied Physics, 2013, 113, 184502.	2.5	15
3	Limitation Factor Analysis for Silicon-on-Insulator Waveguide Mach-Zehnder Interference-Based Electro-Optic Switch. Journal of Lightwave Technology, 2011, 29, 2592-2600.	4.6	14
4	Improved silica-PLC Mach-Zehnder interferometer type optical switches with error dependence compensation of directional coupler. Optics and Laser Technology, 2017, 89, 208-213.	4.6	11
5	Strategic measurement for the axis orientation and electro-optic coefficient of BaTiO <sub>3</sub> crystal thin film grown on MgO crystal with polarization modulations. Optics Letters, 2019, 44, 4215.	3.3	9
6	Energy efficient photonic millimeter-wave generation using cascaded polarization modulators. Optical and Quantum Electronics, 2019, 51, 1.	3.3	5
7	Analysis for system errors in measuring the sidewall angle of a silica waveguide with confocal laser scanning microscope (CLSM). Measurement Science and Technology, 2019, 30, 025004.	2.6	5
8	Methodological analysis for the electrooptic coefficient and birefringence of BaTiO <sub>3</sub> crystal films with complementary polarization modulations. Measurement Science and Technology, 2021, 32, 015001.	2.6	4
9	Investigation for the structural stress of SiO <sub>2</sub> thin films and its distribution on the large-wafer created by plasma enhanced chemical vapor deposition. AIP Advances, 2018, 8, 085217.	1.3	3
10	Study of Birefringence and Stress Distribution of SiO <sub>2</sub> Film Optical Waveguide on Silicon Wafer. Coatings, 2019, 9, 316.	2.6	2
11	Investigation for the Thermal Conduction of Silicon Oxide Waveguide Optical Switch. , 2018, , .		1
12	Waveguide Roughness Measuring Metrology with Confocal Laser Scanning Microscope (CLSM). , 2018, , .		1
13	Intraguide mode conversions of silica-on-silicon transfer waveguides and SOI tapered structures for highly efficient chip-fiber butt coupling. Applied Optics, 2020, 59, 11253.	1.8	1
14	Efficient simulation for silicon-on-insulator waveguide electro-optic devices. , 2011, , .		0
15	An accurate measurement method for optical radiation loss of silicon-on-insulator curved waveguides. , 2011, , .		0
16	Study on Polarization State Transition of Single-mode SOI Curved Optical Waveguide Using FDTD. , 2018, , .		0
17	Thermodynamic insights into Henry's constant in hyperthermal oxidation of silicon for fabricating optical waveguides. Physical Chemistry Chemical Physics, 2021, 23, 17354-17364.	2.8	0
18	An ultrahigh sensitivity three-dimensional electric-field sensor with barium titanate crystal waveguides. AIP Advances, 2022, 12, 055317.	1.3	0