

Jianxin Zhu

List of Publications by Year in descending order

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18
papers

128
citations

1307594

7
h-index

1199594

12
g-index

18
all docs

18
docs citations

18
times ranked

56
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaky modes of slab waveguides-asymptotic solutions. Journal of Lightwave Technology, 2006, 24, 1619-1623.	4.6	27
2	A LOCAL ORTHOGONAL TRANSFORM FOR ACOUSTIC WAVEGUIDES WITH AN INTERNAL INTERFACE. Journal of Computational Acoustics, 2004, 12, 37-53.	1.0	15
3	Propagating modes in optical waveguides terminated by perfectly matched layers. IEEE Photonics Technology Letters, 2005, 17, 2601-2603.	2.5	14
4	Leaky modes of optical waveguides with varied refractive index for microchip optical interconnect applications " Asymptotic solutions. Microelectronics Reliability, 2008, 48, 555-562.	1.7	13
5	Asymptotic solutions of eigenmodes in slab waveguides terminated by perfectly matched layers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2090.	1.5	13
6	VALIDITY OF ONE-WAY MODELS IN THE WEAK RANGE DEPENDENCE LIMIT. Journal of Computational Acoustics, 2004, 12, 55-66.	1.0	10
7	Dispersion Relation of Leaky Modes in Nonhomogeneous Waveguides and Its Applications. Journal of Lightwave Technology, 2011, 29, 3230-3236.	4.6	10
8	A Unified Mode Solver for Optical Waveguides Based on Mapped Barycentric Rational Chebyshev Differentiation Matrix. Journal of Lightwave Technology, 2010, 28, 1802-1810.	4.6	5
9	Dispersion relations of the modes for open nonhomogeneous waveguides terminated by perfectly matched layers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2524.	2.1	5
10	Modelling and Numerical Simulations of Heat Distribution for LED Heat Sink. Discrete Dynamics in Nature and Society, 2016, 2016, 1-8.	0.9	5
11	Nonlinear equation of the modes in circular slab waveguides and its application. Applied Optics, 2013, 52, 8013.	1.8	4
12	Exact Analytical Equations for Eigenmodes in Varying Refractive-Index Profile's Waveguides Terminated by Perfectly Matched Layers. Journal of Lightwave Technology, 2015, 33, 324-332.	4.6	3
13	Efficient approximations of dispersion relations in optical waveguides with varying refractive-index profiles. Optics Express, 2015, 23, 11952.	3.4	2
14	Cross Orthogonality Between Eigenfunctions and Conjugate Eigenfunctions of a Class of Modified Helmholtz Operator for Pekeris Waveguide. Journal of Theoretical and Computational Acoustics, 2019, 27, 1850048.	1.1	2
15	A new theoretical treatment for the computation of optical-absorption coefficient in inhomogeneous semiconductor material. , 0, , .		0
16	Validity of Modal Expansion Method for the optical waveguide with PML. , 2010, , .		0
17	A New Approach of Eigenmodes for Varying Refractive-Index Profile's Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3131-3138.	4.6	0
18	Higher Order Asymptotic Approximations of Eigenmodes for a Circular Waveguide Terminated by a Perfectly Matched Layer. Journal of Lightwave Technology, 2017, 35, 1980-1987.	4.6	0