

Koki Watanabe

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

106
citations

1478505

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1372567

10
g-index

29
all docs

29
docs citations

29
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential theory of gratings made of anisotropic materials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 325.	1.5	29
2	Numerical integration schemes used on the differential theory for anisotropic gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 2245.	1.5	19
3	Study of the differential theory of lamellar gratings made of highly conducting materials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 69.	1.5	10
4	Accurate analysis of electromagnetic scattering from periodic circular cylinder array with defects. Optics Express, 2012, 20, 10646.	3.4	8
5	Rigorous coupled-wave analysis of electromagnetic scattering from lamellar grating with defects. Optics Express, 2011, 19, 25799.	3.4	7
6	Numerical Analysis of Two-Dimensional Photonic Crystal Waveguide Devices Using Periodic Boundary Conditions. IEICE Transactions on Electronics, 2011, E94-C, 32-38.	0.6	6
7	Floquet-Mode Analysis of Two-Dimensional Photonic Crystal Waveguides Formed by Circular Cylinders Using Periodic Boundary Conditions. IEICE Transactions on Electronics, 2010, E93-C, 24-31.	0.6	5
8	Numerical study on the spectroscopic ellipsometry of lamellar gratings made of lossless dielectric materials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 745.	1.5	4
9	Photonic Signatures of Spin-Driven Ferroelectricity in Multiferroic Dielectric Oxides. Physical Review Letters, 2021, 127, 127601.	7.8	4
10	Numerical Modeling of Two-Dimensional Photonic Crystal Circuits Using Fourier Modal Method Based on Floquet Modes. , 2008, , .		3
11	Spectral-domain approach to electromagnetic scattering from imperfectly periodic structures. , 2010, , .		3
12	Differential method for TM-polarized Floquet-mode analysis of photonic crystal waveguides formed by circular cylinders. , 2009, , .		2
13	Formulation of electromagnetic scattering from cylinder located near periodic surface. , 2010, , .		2
14	Fast converging formulation of differential theory for nonsmooth gratings made of anisotropic materials. Radio Science, 2002, 37, VIC 2-1-VIC 2-8.	1.6	1
15	Two-Dimensional Electromagnetic Scattering by Lamellar Grating with a Defect. , 2007, , .		1
16	Coordinate transformation formulation of electromagnetic scattering from imperfectly periodic surfaces. Optics Express, 2012, 20, 9978.	3.4	1
17	Spectral-domain analysis of electromagnetic scattering by periodically corrugated surfaces with local deformation. , 2013, , .		1
18	Two-dimensional electromagnetic scattering from cylinder located near lamellar grating. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	Spectral-domain analysis of electromagnetic scattering from lamellar grating with defects. , 2010, , .		0
20	Electromagnetic Scattering from Cylinders Located near Periodic Cylinder Array. , 2010, , .		0
21	Electromagnetic Scattering from Imperfectly Periodic Surfaces. , 2011, , .		0
22	Numerical Analysis of Two-Dimensional Photonic Crystal Waveguide Devices Using Periodic Boundary Conditions and Multilayer Technique. , 2011, , .		0
23	Rigorous coupled-wave analysis for lamellar grating with period modulation. , 2013, , .		0
24	Accurate formulation of electromagnetic scattering from dielectric slab including periodic circular cylinder array with a heterogeneous cylinder. , 2016, , .		0
25	Linear antenna synthesis with maximum directivity using improved fruit fly optimization algorithm. , 2016, , .		0
26	Accurate analysis of electromagnetic scattering from cylindrical objects located near periodically corrugated surface. , 2016, , .		0
27	Accurate analysis of electromagnetic scattering from periodic circular cylinder array including impurity cylinders. , 2016, , .		0
28	Spectral-domain approach to plane-wave scattering from finite periodic cylinder array. , 2017, , .		0
29	Study on Guided Eigenmode Analysis of Photonic Crystal Waveguides Formed by Multilayered Periodic Arrays of Circular Cylinders. , 2019, , .		0