Koki Watanabe

List of Publications by Year
in descending order

29 papers	106 citations	1478505 6 h-index	1372567 10 g-index
29 all docs	29 docs citations	29 times ranked	54 citing authors

#	Article	IF	Citations
1	Photonic Signatures of Spin-Driven Ferroelectricity in Multiferroic Dielectric Oxides. Physical Review Letters, 2021, 127, 127601.	7.8	4
2	Study on Guided Eigenmode Analysis of Photonic Crystal Waveguides Formed by Multilayered Periodic Arrays of Circular Cylinders. , 2019, , .		0
3	Spectral-domain approach to plane-wave scattering from finite periodic cylinder array. , 2017, , .		0
4	Accurate formulation of electromagnetic scattering from dielectric slab including periodic circular cylinder array with a heterogeneous cylinder. , 2016, , .		0
5	Linear antenna synthesis with maximum directivity using improved fruit fly optimization algorithm. , 2016, , .		0
6	Accurate analysis of electromagnetic scattering from cylindrical objects located near periodically corrugated surface. , 2016, , .		0
7	Accurate analysis of electromagnetic scattering from periodic circular cylinder array including impurity cylinders. , 2016, , .		0
8	Spectral-domain analysis of electromagnetic scattering by periodically corrugated surfaces with local deformation. , 2013, , .		1
9	Rigorous coupled-wave analysis for lamellar grating with period modulation. , 2013, , .		0
10	Coordinate transformation formulation of electromagnetic scattering from imperfectly periodic surfaces. Optics Express, 2012, 20, 9978.	3.4	1
11	Accurate analysis of electromagnetic scattering from periodic circular cylinder array with defects. Optics Express, 2012, 20, 10646.	3.4	8
12	Electromagnetic Scattering from Imperfectly Periodic Surfaces. , 2011, , .		0
13	Numerical Analysis of Two-Dimensional Photonic Crystal Waveguide Devices Using Periodic Boundary Conditions and Multilayer Technique. , 2011, , .		0
14	Rigorous coupled-wave analysis of electromagnetic scattering from lamellar grating with defects. Optics Express, 2011, 19, 25799.	3.4	7
15	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
16	Two-dimensional electromagnetic scattering from cylinder located near lamellar grating. , 2010, , .		0
17	Spectral-domain analysis of electromagnetic scattering from lamellar grating with defects. , 2010, , .		0
18	Spectral-domain approach to electromagnetic scattering from imperfectly periodic structures. , 2010, , .		3

#	Article	IF	Citations
19	Electromagnetic Scattering from Cylinders Located near Periodic Cylinder Array. , 2010, , .		0
20	Formulation of electromagnetic scattering from cylinder located near periodic surface. , 2010, , .		2
21	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
22	Differential method for TM-polarized Floquet-mode analysis of photonic crystal waveguides formed by circular cylinders. , 2009, , .		2
23	Numerical Modeling of Two-Dimensional Photonic Crystal Circuits Using Fourier Modal Method Based on Floquet Modes. , 2008, , .		3
24	Two-Dimensional Electromagnetic Scattering by Lamellar Grating with a Defect. , 2007, , .		1
25	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
26	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
27	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
28	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
29	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