Lijun Yuan

List of Publications by Year in descending order

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38	499	623734 14	713466 21
papers	citations	h-index	g-index

38	38	38	202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resonant field enhancement in lossy periodic structures supporting complex bound states in the continuum. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 611.	2.1	5
2	Approximating transmission and reflection spectra near isolated nondegenerate resonances. Physical Review A, 2022, 105, .	2.5	4
3	Real transmission and reflection zeros of periodic structures with a bound state in the continuum. Physical Review A, 2022, 106, .	2.5	3
4	Conditional robustness of propagating bound states in the continuum in structures with two-dimensional periodicity. Physical Review A, 2021, 103, .	2.5	11
5	On the robustness of bound states in the continuum in waveguides with lateral leakage channels. Optics Express, 2021, 29, 16695.	3.4	6
6	Parametric dependence of bound states in the continuum in periodic structures: Vectorial cases. Physical Review A, 2021, 104, .	2.5	7
7	Parametric dependence of bound states in the continuum on periodic structures. Physical Review A, 2020, 102, .	2.5	14
8	Excitation of Bound States in the Continuum via Second Harmonic Generations. SIAM Journal on Applied Mathematics, 2020, 80, 864-880.	1.8	15
9	Bound states with complex frequencies near the continuum on lossy periodic structures. Physical Review A, 2020, 101, .	2.5	15
10	Resonant field enhancement near bound states in the continuum on periodic structures. Physical Review A, 2020, 101, .	2.5	12
11	Perturbation theories for symmetry-protected bound states in the continuum on two-dimensional periodic structures. Physical Review A, 2020, 101, .	2.5	16
12	Unidirectional reflectionless transmission for two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric periodic structures. Physical Review A, 2019, 100, .	2.5	16
13	Bound states in the continuum on periodic structures surrounded by strong resonances. Physical Review A, 2018, 97, .	2.5	41
14	Strong resonances on periodic arrays of cylinders and optical bistability with weak incident waves. Physical Review A, 2017, 95, .	2.5	56
15	Propagating Bloch modes above the lightline on a periodic array of cylinders. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 05LT01.	1.5	37
16	Robust iterative method for nonlinear Helmholtz equation. Journal of Computational Physics, 2017, 343, 1-9.	3.8	9
17	Bound states in the continuum on periodic structures: perturbation theory and robustness. Optics Letters, 2017, 42, 4490.	3.3	41
18	Eulerian Geometrical Optics and Fast Huygens Sweeping Methods for Three-Dimensional Time-Harmonic High-Frequency Maxwell's Equations in Inhomogeneous Media. Multiscale Modeling and Simulation, 2016, 14, 595-636.	1.6	16

#	Article	IF	Citations
19	Diffraction of plane waves by a periodic array of nonlinear circular cylinders. Physical Review A, 2016, 94, .	2.5	20
20	Standing waves on a periodic array of circular cylinders with saturable nonlinear media. Optical and Quantum Electronics, 2016, 48, 1.	3.3	2
21	Babichâ€™s Expansion and High-Order Eulerian Asymptotics for Point-Source Helmholtz Equations. Journal of Scientific Computing, 2016, 67, 883-908.	2.3	14
22	Rigorous numerical study of symmetry breaking in a pair of nonlinear cylinders. , 2015, , .		0
23	Nonlinear standing waves on a periodic array of circular cylinders. Optics Express, 2015, 23, 20636.	3.4	10
24	AN EFFICIENT MODE REDUCTION TECHNIQUE FOR MODELING OF WAVEGUIDE GRATINGS. Progress in Electromagnetics Research M, 2014, 40, 1-8.	0.9	0
25	Bilateral symmetry breaking in nonlinear circular cylinders. Optics Express, 2014, 22, 30128.	3.4	8
26	Mode Reduction for Efficient Modeling of Photonic Crystal Slab Structures. Journal of Lightwave Technology, 2014, 32, 2340-2344.	4.6	1
27	Efficient numerical method for analyzing optical bistability in photonic crystal microcavities. Optics Express, 2013, 21, 11952.	3.4	14
28	Fourier-matching pseudospectral modal method for diffraction gratings: reply. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1846.	1.5	2
29	Fourier-matching pseudospectral modal method for diffraction gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 613.	1.5	30
30	Efficient numerical method for analyzing photonic crystal slab waveguides. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2265.	2.1	7
31	Dirichlet-to-Neumann map method for analyzing hole arrays in a slab. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2568.	2.1	11
32	Efficient Numerical Method for Analyzing Photonic Crystal Slab Waveguides Based on Dirichlet-to-Neumann Maps. , 2010, , .		0
33	Analyzing second harmonic generation from arrays of cylinders using Dirichlet-to-Neumann maps. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 587.	2.1	11
34	An Efficient Numerical Method for Optical Waveguides With Holes. Journal of Lightwave Technology, 2009, 27, 2557-2562.	4.6	0
35	Analyzing Second Harmonic Generation in Photonic Crystals by Dirichlet-to-Neumann Maps. , 2008, , .		0
36	Dirichlet-to-Neumann map method for second- harmonic generation in piecewise uniform waveguides. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2287.	2.1	5

#	Article	IF	Citations
37	A Recursive-Doubling Dirichlet-to-Neumann-Map Method for Periodic Waveguides. Journal of Lightwave Technology, 2007, 25, 3649-3656.	4.6	21
38	An Efficient Bidirectional Propagation Method Based on Dirichlet-to-Neumann Maps. IEEE Photonics Technology Letters, 2006, 18, 1967-1969.	2.5	19