

Yosuke Nakata

List of Publications by Year in descending order

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docs citations

27
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553
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of flat band for terahertz spoof plasmons in a metallic kagom� lattice. Physical Review B, 2012, 85, .	1.1	66
2	Plane-wave scattering by self-complementary metasurfaces in terms of electromagnetic duality and Babinet's principle. Physical Review B, 2013, 88, .	1.1	56
3	Frequency-Independent Response of Self-Complementary Checkerboard Screens. Physical Review Letters, 2015, 114, 237401.	2.9	40
4	Observation of a nonradiative flat band for spoof surface plasmons in a metallic Lieb lattice. Physical Review B, 2016, 93, .	1.1	39
5	Dynamically Babinet-invertible metasurface: a capacitive-inductive reconfigurable filter for terahertz waves using vanadium-dioxide metal-insulator transition. Optics Express, 2016, 24, 4405.	1.7	35
6	Helicity-Changing Brillouin Light Scattering by Magnons in a Ferromagnetic Crystal. Physical Review Letters, 2019, 123, 207401.	2.9	29
7	Anisotropic Babinet-Invertible Metasurfaces to Realize Transmission-Reflection Switching for Orthogonal Polarizations of Light. Physical Review Applied, 2016, 6, .	1.5	27
8	Reconfigurable Terahertz Quarter-Wave Plate for Helicity Switching Based on Babinet Inversion of an Anisotropic Checkerboard Metasurface. Physical Review Applied, 2019, 11, .	1.5	22
9	Ultrafast Frequency-Shift Dynamics at Temporal Boundary Induced by Structural-Dispersion Switching of Waveguides. Physical Review Letters, 2021, 127, 053902.	2.9	22
10	Broadband and energy-concentrating terahertz coherent perfect absorber based on a self-complementary metasurface. Optics Letters, 2016, 41, 4472.	1.7	22
11	Freestanding transparent terahertz half-wave plate using subwavelength cut-wire pairs. Optics Express, 2017, 25, 2107.	1.7	20
12	Circuit model for hybridization modes in metamaterials and its analogy to the quantum tight-binding model. Physica Status Solidi (B): Basic Research, 2012, 249, 2293-2302.	0.7	19
13	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. Optics Letters, 2010, 35, 1719.	1.7	18
14	Topological Boundary Modes from Translational Deformations. Physical Review Letters, 2020, 124, 073901.	2.9	17
15	Broadband operation of active terahertz quarter-wave plate achieved with vanadium-dioxide-based metasurface switchable by current injection. Applied Physics Letters, 2020, 117, .	1.5	14
16	Resonant Magnetic Induction Tomography of a Magnetized Sphere. Physical Review Applied, 2019, 12, .	1.5	13
17	Dynamic Quarter-Wave Metasurface for Efficient Helicity Inversion of Polarization Beyond the Single-Layer Conversion Limit. Advanced Optical Materials, 2022, 10, 2101615.	3.6	9
18	Supersymmetric correspondence in spectra on a graph and its line graph: From circuit theory to spoof plasmons on metallic lattices. Physical Review A, 2016, 93, .	1.0	8

#	ARTICLE	IF	CITATIONS
19	Energy loss of terahertz electromagnetic waves by nano-sized connections in near-self-complementary metallic checkerboard patterns. <i>Journal of Applied Physics</i> , 2017, 122, 063101.	1.1	7
20	Optical heterodyne imaging of magnetostatic modes in one-dimensional magnonic crystals. <i>Physical Review B</i> , 2019, 100, .	1.1	7
21	Geometric Structure behind Duality and Manifestation of Self-Duality from Electrical Circuits to Metamaterials. <i>Symmetry</i> , 2019, 11, 1336.	1.1	6
22	Theoretical study on dynamical planar-chirality switching in checkerboard-like metasurfaces. <i>EPJ Applied Metamaterials</i> , 2017, 4, 2.	0.8	5
23	Observation of Fano resonance using a coupled resonator metamaterial composed of meta-atoms arranged by double periodicity. <i>Applied Physics Express</i> , 2016, 9, 012201.	1.1	4
24	Dynamic inversion of planar-chiral response of terahertz metasurface based on critical transition of checkerboard structures. <i>Nanophotonics</i> , 2022, 11, 2057-2064.	2.9	4
25	Fabrication of MEMS-driven Wire Grid Polarizers in THz Region and Evaluation of the Optical Characteristics. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2017, 137, 407-414.	0.0	3
26	Terahertz vortex beam generation using anisotropic chiral metasurfaces. , 2016, , .		1
27	Spatial Field Distributions of Electromagnetic Waves in Coupled System of One-Dimensional Photonic Crystals. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 044708.	0.7	0