

# Yosuke Nakata

## List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Quarter-Wave Metasurface for Efficient Helicity Inversion of Polarization Beyond the Single-Layer Conversion Limit. <i>Advanced Optical Materials</i> , 2022, 10, 2101615.	3.6	9
2	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
3	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
4	Ultrafast Frequency-Shift Dynamics at Temporal Boundary Induced by Structural-Dispersion Switching of Waveguides. <i>Physical Review Letters</i> , 2021, 127, 053902.	2.9	22
5	Broadband operation of active terahertz quarter-wave plate achieved with vanadium-dioxide-based metasurface switchable by current injection. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	14
6	Topological Boundary Modes from Translational Deformations. <i>Physical Review Letters</i> , 2020, 124, 073901.	2.9	17
7	Resonant Magnetic Induction Tomography of a Magnetized Sphere. <i>Physical Review Applied</i> , 2019, 12, .	1.5	13
8	Optical heterodyne imaging of magnetostatic modes in one-dimensional magnonic crystals. <i>Physical Review B</i> , 2019, 100, .	1.1	7
9	Geometric Structure behind Duality and Manifestation of Self-Duality from Electrical Circuits to Metamaterials. <i>Symmetry</i> , 2019, 11, 1336.	1.1	6
10	Reconfigurable Terahertz Quarter-Wave Plate for Helicity Switching Based on Babinet Inversion of an Anisotropic Checkerboard Metasurface. <i>Physical Review Applied</i> , 2019, 11, .	1.5	22
11	Helicity-Changing Brillouin Light Scattering by Magnons in a Ferromagnetic Crystal. <i>Physical Review Letters</i> , 2019, 123, 207401.	2.9	29
12	Theoretical study on dynamical planar-chirality switching in checkerboard-like metasurfaces. <i>EPJ Applied Metamaterials</i> , 2017, 4, 2.	0.8	5
13	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
14	Freestanding transparent terahertz half-wave plate using subwavelength cut-wire pairs. <i>Optics Express</i> , 2017, 25, 2107.	1.7	20
15	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
16	Terahertz vortex beam generation using anisotropic chiral metasurfaces. , 2016, , .		1
17	Dynamically Babinet-invertible metasurface: a capacitive-inductive reconfigurable filter for terahertz waves using vanadium-dioxide metal-insulator transition. <i>Optics Express</i> , 2016, 24, 4405.	1.7	35
18	Supersymmetric correspondence in spectra on a graph and its line graph: From circuit theory to spoof plasmons on metallic lattices. <i>Physical Review A</i> , 2016, 93, .	1.0	8

#	ARTICLE	IF	CITATIONS
19	Observation of a nonradiative flat band for spoof surface plasmons in a metallic Lieb lattice. <i>Physical Review B</i> , 2016, 93, .	1.1	39
20	Anisotropic Babinet-Invertible Metasurfaces to Realize Transmission-Reflection Switching for Orthogonal Polarizations of Light. <i>Physical Review Applied</i> , 2016, 6, .	1.5	27
21	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
22	Broadband and energy-concentrating terahertz coherent perfect absorber based on a self-complementary metasurface. <i>Optics Letters</i> , 2016, 41, 4472.	1.7	22
23	Frequency-Independent Response of Self-Complementary Checkerboard Screens. <i>Physical Review Letters</i> , 2015, 114, 237401.	2.9	40
24	Plane-wave scattering by self-complementary metasurfaces in terms of electromagnetic duality and Babinet's principle. <i>Physical Review B</i> , 2013, 88, .	1.1	56
25	Observation of flat band for terahertz spoof plasmons in a metallic kagomÃ© lattice. <i>Physical Review B</i> , 2012, 85, .	1.1	66
26	Circuit model for hybridization modes in metamaterials and its analogy to the quantum tight-binding model. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2293-2302.	0.7	19
27	Direct creation of a photoinduced metallic structure and its optical properties in the terahertz frequency region. <i>Optics Letters</i> , 2010, 35, 1719.	1.7	18