

Toshihiro Nakanishi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/483566/publications.pdf>

Version: 2024-02-01

51
papers

1,102
citations

361045

20
h-index

414034

32
g-index

51
all docs

51
docs citations

51
times ranked

1094
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	VO2 films on flexible thin polyimide films: Fabrication and characterization of electrical and optical properties in insulator-metal transition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, .	0.9	1
4	Direct measurement of ultrafast temporal wavefunctions. <i>Optics Express</i> , 2021, 29, 19403.	1.7	3
5	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
6	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
7	A framework for measuring weak values without weak interactions and its diagrammatic representation. <i>New Journal of Physics</i> , 2019, 21, 043013.	1.2	14
8	Geometric Structure behind Duality and Manifestation of Self-Duality from Electrical Circuits to Metamaterials. <i>Symmetry</i> , 2019, 11, 1336.	1.1	6
9	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
10	Meta-atoms Emulating Quantum Systems. <i>Springer Series in Materials Science</i> , 2019, , 169-185.	0.4	0
11	Storage and Retrieval of Electromagnetic Waves in Metamaterials by Dynamical Control of EIT-Like Effect. <i>Springer Series in Optical Sciences</i> , 2018, , 137-156.	0.5	0
12	Storage and retrieval of electromagnetic waves using electromagnetically induced transparency in a nonlinear metamaterial. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	27
13	Theoretical study on dynamical planar-chirality switching in checkerboard-like metasurfaces. <i>EPJ Applied Metamaterials</i> , 2017, 4, 2.	0.8	5
14	Freestanding transparent terahertz half-wave plate using subwavelength cut-wire pairs. <i>Optics Express</i> , 2017, 25, 2107.	1.7	20
15	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
16	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
17	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
18	Anisotropic Babinet-Invertible Metasurfaces to Realize Transmission-Reflection Switching for Orthogonal Polarizations of Light. <i>Physical Review Applied</i> , 2016, 6, .	1.5	27

#	ARTICLE	IF	CITATIONS
19	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
20	Broadband and energy-concentrating terahertz coherent perfect absorber based on a self-complementary metasurface. <i>Optics Letters</i> , 2016, 41, 4472.	1.7	22
21	Observation of nonlinear variations in a three-vertex geometric phase in a two-photon polarization qutrit. <i>Physical Review A</i> , 2015, 91, .	1.0	8
22	Implementation of Electromagnetically Induced Transparency in a Metamaterial Controlled with Auxiliary Waves. <i>Physical Review Applied</i> , 2015, 4, .	1.5	17
23	Frequency-Independent Response of Self-Complementary Checkerboard Screens. <i>Physical Review Letters</i> , 2015, 114, 237401.	2.9	40
24	Classical realization of dispersion cancellation by time-reversal method. <i>Physical Review A</i> , 2015, 91, .	1.0	12
25	Electromagnetically induced transparency like transmission in a metamaterial composed of cut-wire pairs with indirect coupling. <i>Physical Review B</i> , 2014, 89, .	1.1	29
26	A linear-to-circular polarization converter with half transmission and half reflection using a single-layered metamaterial. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	50
27	Ultrafast optical control of group delay of narrow-band terahertz waves. <i>Scientific Reports</i> , 2014, 4, 4346.	1.6	76
28	Classical Realization of Dispersion Cancellation by Using Transform-limited Pulses. , 2014, , .		0
29	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
30	Storage of electromagnetic waves in a metamaterial that mimics electromagnetically induced transparency. <i>Physical Review B</i> , 2013, 87, .	1.1	61
31	Observation of modulation instability in a nonlinear magnetoinductive waveguide. <i>Physical Review B</i> , 2013, 87, .	1.1	7
32	Time-reversed two-photon interferometry for phase superresolution. <i>Physical Review A</i> , 2013, 88, .	1.0	7
33	Observation of flat band for terahertz spoof plasmons in a metallic kagomÃ© lattice. <i>Physical Review B</i> , 2012, 85, .	1.1	66
34	Coupled-resonator-based metamaterials. <i>IEICE Electronics Express</i> , 2012, 9, 51-64.	0.3	2
35	Efficient second harmonic generation in a metamaterial with two resonant modes coupled through two varactor diodes. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	32
36	Transmission properties of double-gap asymmetric split ring resonators in terahertz region. <i>Applied Physics Letters</i> , 2012, 101, 051112.	1.5	8

#	ARTICLE	IF	CITATIONS
37	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
38	Variable group delay in a metamaterial with field-gradient-induced transparency. <i>Physical Review B</i> , 2012, 85, .	1.1	33
39	Enhancement of second harmonic generation in a doubly resonant metamaterial. <i>Applied Physics Letters</i> , 2011, 99, 024101.	1.5	23
40	Observation of Geometric Phases in Quantum Erasers. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 034401.	0.7	14
41	Direct observation of geometric phases using a three-pinhole interferometer. <i>Physical Review A</i> , 2010, 81, .	1.0	16
42	Electromagnetic response of a metamaterial with field-gradient-induced transparency. <i>Physical Review B</i> , 2010, 82, .	1.1	19
43	Geometrical aspects of weak measurements and quantum erasers. <i>New Journal of Physics</i> , 2009, 11, 093025.	1.2	34
44	Full Quantum Analysis of Two-Photon Absorption Using Two-Photon Wave Function: Comparison of Two-Photon Absorption with One-Photon Absorption. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 104401.	0.7	4
45	Two-Photon Interference of Photon Pairs Created in Photonic Crystal Fibers. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 024402.	0.7	1
46	An invisible medium for circularly polarized electromagnetic waves. <i>Optics Express</i> , 2008, 16, 20869.	1.7	18
47	Observation of Brewster's effect for transverse-electric electromagnetic waves in metamaterials: Experiment and theory. <i>Physical Review B</i> , 2006, 73, .	1.1	37
48	Simulation of slow light with electronic circuits. <i>American Journal of Physics</i> , 2005, 73, 323-329.	0.3	5
49	Generation of photon pairs using polarization-dependent two-photon absorption. <i>Physical Review A</i> , 2003, 67, .	1.0	2
50	Demonstration of negative group delays in a simple electronic circuit. <i>American Journal of Physics</i> , 2002, 70, 1117-1121.	0.3	97
51	Absorption-free optical control of spin systems: The quantum Zeno effect in optical pumping. <i>Physical Review A</i> , 2001, 65, .	1.0	27