

Teruya Ishihara

List of Publications by Year in descending order

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59
papers

4,541
citations

304602

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60
docs citations

60
times ranked

4789
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of second harmonic generation from cross-polarized double-resonant metasurfaces on single crystals of Au. <i>Nanophotonics</i> , 2022, 11, 1931-1939.	2.9	3
2	Editorial on special issue: "Metamaterials and plasmonics in Asia". <i>Nanophotonics</i> , 2022, 11, 1655-1658.	2.9	0
3	The role of nonlocal response in second harmonic generation at metasurfaces with triangular metaatoms. <i>EPJ Applied Metamaterials</i> , 2022, 9, 12.	0.8	0
4	Second-harmonic generation from complementary Au metasurfaces with triangular resonators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1166.	0.9	7
5	Properties of Terahertz Wave Emission from Nano-porous Gold Excited by Femtosecond Laser Pulses. , 2018, , .		0
6	Phase Singularities in Moiré Type Metasurfaces. , 2018, , .		0
7	Polarization dependence of transverse photo-induced voltage in gold thin film with random nanoholes. <i>Optics Express</i> , 2017, 25, 2143.	1.7	16
8	Photo-induced voltage in nano-porous gold thin film. <i>Optics Express</i> , 2015, 23, 823.	1.7	43
9	Waveguide-mode interference lithography technique for high contrast subwavelength structures in the visible region. <i>Optics Express</i> , 2014, 22, 18748.	1.7	15
10	Lifetime reduction of a quantum emitter with quasiperiodic metamaterials. <i>Physical Review B</i> , 2014, 90, .	1.1	12
11	Polarization property of terahertz wave emission from gammadion-type photoconductive antennas. <i>Applied Physics Letters</i> , 2013, 103, 111106.	1.5	9
12	Fabrication and terahertz response of "split-tube" arrays. , 2013, , .		0
13	Linear and nonlinear optical properties of nano-porous gold film. , 2013, , .		0
14	Optical rectification effect due to surface plasmon polaritons at normal incidence in a nondiffraction regime. <i>Optics Letters</i> , 2012, 37, 2793.	1.7	21
15	Surface plasmon drag effect in a dielectrically modulated metallic thin film. <i>Optics Express</i> , 2012, 20, 1561.	1.7	44
16	Analysis of transmission line meta-materials at optical wavelength. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 327-329.	0.8	4
17	Transverse Photovoltage Induced by Circularly Polarized Light. <i>Physical Review Letters</i> , 2009, 103, 103906.	2.9	54
18	s-polarization Brewster's angle of stratified metal-dielectric metamaterial in optical regime. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2696-2701.	0.7	15

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19	Optical rectification effect in 1D metallic photonic crystal slabs with asymmetric unit cell. Optics Express, 2008, 16, 8236.	1.7	39
20	Reciprocal transmittances and reflectances: An elementary proof. American Journal of Physics, 2007, 75, 899-902.	0.3	19
21	Electronic Interactions between Inorganic Nanowires and Organic Electron Acceptors: Drastic Changes in Optical Response and Molecular Vibration. Journal of Physical Chemistry C, 2007, 111, 1146-1149.	1.5	24
22	Photo-induced Voltage in Perforated Metal-Dielectric-Metal Multilayer Structure. , 2007, , .		0
23	Effective Refractive Index of 3D Photonic Crystals at Photonic Bandgap. , 2006, , FThA2.		0
24	Photo-induced voltage across negative index metamaterials. , 2006, , .		0
25	Photo-induced Insulator-Metal Transition in an Organic Conductor $\hat{\pm}$ -(BEDT-TTF) ₂ I ₃ . Journal of the Physical Society of Japan, 2005, 74, 511-514.	0.7	71
26	Simultaneous second-harmonic generation and third-harmonic generation in one-dimensional photonic crystal slabs consisting of centrosymmetric materials. Optical Materials, 2005, 27, 713-717.	1.7	3
27	Thin Films of Single-Crystal Cuprous Oxide Grown from the Melt. Japanese Journal of Applied Physics, 2005, 44, 5096-5101.	0.8	21
28	Excitons and biexcitons bound to a positive ion in a bismuth-doped inorganic-organic layered lead iodide semiconductor. Physical Review B, 2004, 70, .	1.1	48
29	Optical response of semiconductor and metal-embedded photonic crystal slabs. Physica Status Solidi A, 2004, 201, 398-404.	1.7	15
30	Mode-coexistent phase match condition for second harmonic generation in photonic crystal slabs consisting of centrosymmetric materials. Optics Communications, 2004, 242, 147-154.	1.0	2
31	Sub-100-nm Photolithography Based on Plasmon Resonance. Japanese Journal of Applied Physics, 2004, 43, 4017-4021.	0.8	41
32	Surface plasmon resonant interference nanolithography technique. Applied Physics Letters, 2004, 84, 4780-4782.	1.5	508
33	Subwavelength photolithography based on surface-plasmon polariton resonance. Optics Express, 2004, 12, 3055.	1.7	167
34	Ultrafast spontaneous emission: Exciton radiative decay vs phonon scattering and disorder. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1421-1424.	0.8	1
35	Second Harmonic Generation due to Quadrupole Interaction in a Photonic Crystal Slab: Angle Dependence and Symmetry of the Unit Cell. Physical Review Letters, 2003, 91, 253901.	2.9	48
36	Fundamental optical properties of photonic crystal slabs in the strong coupling regime. Semiconductor Science and Technology, 2003, 18, S411-S418.	1.0	7

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37	Subpicosecond transmission change in semiconductor-embedded photonic crystal slab: Toward ultrafast optical switching. Applied Physics Letters, 2002, 80, 2836-2838.	1.5	52
38	RESONANT LIGHT TRANSMISSION IN METALLIC PHOTONIC CRYSTAL SLABS. International Journal of Nanoscience, 2002, 01, 657-661.	0.4	4
39	THEORY OF SECOND-HARMONIC GENERATION FROM PHOTONIC CRYSTAL SLAB COMPOSED OF CENTROSYMMETRIC MATERIALS. Nonlinear Optics, Quantum Optics, 2002, 29, 357-365.	0.2	1
40	Quasiguidded modes and optical properties of photonic crystal slabs. Physical Review B, 2002, 66, .	1.1	497
41	Optical Properties of $(\text{C}_{60})_{\text{H}}\text{C}_{52}\text{H}_{18}\text{NH}_3\text{Pb}_4$ on Grating Substrates. Molecular Crystals and Liquid Crystals, 2001, 371, 167-170.	0.5	5
42	ULTRAFAST PHOTO-INDUCED ABSORPTION CHANGE IN INORGANIC-ORGANIC MULTIPLE QUANTUM WELL COMPOUND. International Journal of Modern Physics B, 2001, 15, 3741-3744.	1.0	2
43	Polariton Effect in Distributed Feedback Microcavities. Journal of the Physical Society of Japan, 2001, 70, 1137-1144.	0.7	41
44	Beating Structure on the Spectrally Resolved Four-Wave Mixing: Polarization Dependence. Journal of the Physical Society of Japan, 2000, 69, 2349-2353.	0.7	2
45	Directionally Enhanced Photoluminescence from Distributed Feedback Cavity Polaritons. Journal of the Physical Society of Japan, 1999, 68, 2918-2921.	0.7	9
46	Tunable polariton absorption of distributed feedback microcavities at room temperature. Physical Review B, 1998, 57, 12428-12434.	1.1	181
47	Optical Properties and Electronic Structures of Self-Organized Quantum Well $(\text{C}_n\text{H}_{2n+1}\text{NH}_3)_2\text{PbX}_4$ ($X=\text{I}, \text{Br}, \text{Cl}$). Japanese Journal of Applied Physics, 1995, 34, 71.	0.8	33
48	Excitons in self-organized semiconductor/insulator superlattices: PbI-based perovskite compounds. Physical Review B, 1995, 51, 14370-14378.	1.1	277
49	Exciton Features in 0-, 2-, and 3-Dimensional Networks of $[\text{PbI}_6]_4$ -Octahedra. Journal of the Physical Society of Japan, 1994, 63, 3870-3879.	0.7	151
50	Optical properties of PbI-based perovskite structures. Journal of Luminescence, 1994, 60-61, 269-274.	1.5	360
51	Dielectric confinement effect on excitons in PbI ₄ -based layered semiconductors. Physical Review B, 1992, 45, 6961-6964.	1.1	675
52	Optical properties due to electronic transitions in two-dimensional semiconductors $(\text{C}_n\text{H}_{2n+1}\text{NH}_3)_2\text{PbI}_4$. Physical Review B, 1990, 42, 11099-11107.	1.1	577
53	Exciton state in two-dimensional perovskite semiconductor $(\text{C}_{10}\text{H}_{21}\text{NH}_3)_2\text{PbI}_4$. Solid State Communications, 1989, 69, 933-936.	0.9	379
54	Large Optical Nonlinearity Due to Exciton State in PbI ₂ . Journal of the Physical Society of Japan, 1988, 57, 2191-2200.	0.7	13

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55	Inverse Raman Scattering Resonant to Excitonic Polaritons in Red-HgI ₂ and 2H-PbI ₂ . Journal of the Physical Society of Japan, 1988, 57, 2573-2580.	0.7	8
56	Urbach rule in luminescence and dynamics of a momentarily localized exciton in PbI ₂ and HgI ₂ . Journal of Luminescence, 1987, 38, 55-59.	1.5	8
57	Excitonic optical nonlinearity in PbI ₂ . Journal of Luminescence, 1987, 38, 252-254.	1.5	1
58	Resonant inverse Raman scattering in red-HgI ₂ . Optics Communications, 1986, 59, 357-360.	1.0	4
59	Two-Photon Resonant Raman Scattering in Red-HgI ₂ . Journal of the Physical Society of Japan, 1984, 53, 2407-2410.	0.7	3