

# Teruya Ishihara

## List of Publications by Year in descending order

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59  
papers

4,541  
citations

304602

22  
h-index

182361

51  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric confinement effect on excitons inPbI <sub>4</sub> -based layered semiconductors. Physical Review B, 1992, 45, 6961-6964.	1.1	675
2	Optical properties due to electronic transitions in two-dimensional semiconductors (C <sub>n</sub> H <sub>2n+1</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> . Physical Review B, 1990, 42, 11099-11107.	1.1	577
3	Surface plasmon resonant interference nanolithography technique. Applied Physics Letters, 2004, 84, 4780-4782.	1.5	508
4	Quasiguidded modes and optical properties of photonic crystal slabs. Physical Review B, 2002, 66, .	1.1	497
5	Exciton state in two-dimensional perovskite semiconductor (C <sub>10</sub> H <sub>21</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> . Solid State Communications, 1989, 69, 933-936.	0.9	379
6	Optical properties of Pbl-based perovskite structures. Journal of Luminescence, 1994, 60-61, 269-274.	1.5	360
7	Excitons in self-organized semiconductor/insulator superlattices: Pbl-based perovskite compounds. Physical Review B, 1995, 51, 14370-14378.	1.1	277
8	Tunable polariton absorption of distributed feedback microcavities at room temperature. Physical Review B, 1998, 57, 12428-12434.	1.1	181
9	Subwavelength photolithography based on surface-plasmon polariton resonance. Optics Express, 2004, 12, 3055.	1.7	167
10	Exciton Features in 0-, 2-, and 3-Dimensional Networks of [Pbl <sub>6</sub> ] <sub>4</sub> -Octahedra. Journal of the Physical Society of Japan, 1994, 63, 3870-3879.	0.7	151
11	Photo-induced Insulatorâ€“Metal Transition in an Organic Conductor Î±-(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Journal of the Physical Society of Japan, 2005, 74, 511-514.	0.7	71
12	Transverse Photovoltage Induced by Circularly Polarized Light. Physical Review Letters, 2009, 103, 103906.	2.9	54
13	Subpicosecond transmission change in semiconductorâ€“embedded photonic crystal slab: Toward ultrafast optical switching. Applied Physics Letters, 2002, 80, 2836-2838.	1.5	52
14	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
15	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
16	Surface plasmon drag effect in a dielectrically modulated metallic thin film. Optics Express, 2012, 20, 1561.	1.7	44
17	Photo-induced voltage in nano-porous gold thin film. Optics Express, 2015, 23, 823.	1.7	43
18	Polariton Effect in Distributed Feedback Microcavities. Journal of the Physical Society of Japan, 2001, 70, 1137-1144.	0.7	41

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19	Sub-100-nm Photolithography Based on Plasmon Resonance. Japanese Journal of Applied Physics, 2004, 43, 4017-4021.	0.8	41
20	Optical rectification effect in 1D metallic photonic crystal slabs with asymmetric unit cell. Optics Express, 2008, 16, 8236.	1.7	39
21	Optical Properties and Electronic Structures of Self-Organized Quantum Well ( $C_nH_{2n+1}NH_3$ ) <sub>2</sub> PbX <sub>4</sub> (X=I, Br, Cl). Japanese Journal of Applied Physics, 1995, 34, 71.	0.8	33
22	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
23	Thin Films of Single-Crystal Cuprous Oxide Grown from the Melt. Japanese Journal of Applied Physics, 2005, 44, 5096-5101.	0.8	21
24	Optical rectification effect due to surface plasmon polaritons at normal incidence in a nondiffraction regime. Optics Letters, 2012, 37, 2793.	1.7	21
25	Reciprocal transmittances and reflectances: An elementary proof. American Journal of Physics, 2007, 75, 899-902.	0.3	19
26	Polarization dependence of transverse photo-induced voltage in gold thin film with random nanoholes. Optics Express, 2017, 25, 2143.	1.7	16
27	Optical response of semiconductor and metal-embedded photonic crystal slabs. Physica Status Solidi A, 2004, 201, 398-404.	1.7	15
28	s-polarization Brewster's angle of stratified metal-dielectric metamaterial in optical regime. Physica Status Solidi (B): Basic Research, 2008, 245, 2696-2701.	0.7	15
29	Waveguide-mode interference lithography technique for high contrast subwavelength structures in the visible region. Optics Express, 2014, 22, 18748.	1.7	15
30	Large Optical Nonlinearity Due to Exciton State in PbI <sub>2</sub> . Journal of the Physical Society of Japan, 1988, 57, 2191-2200.	0.7	13
31	Lifetime reduction of a quantum emitter with quasiperiodic metamaterials. Physical Review B, 2014, 90, .	1.1	12
32	Directionally Enhanced Photoluminescence from Distributed Feedback Cavity Polaritons. Journal of the Physical Society of Japan, 1999, 68, 2918-2921.	0.7	9
33	Polarization property of terahertz wave emission from gammadion-type photoconductive antennas. Applied Physics Letters, 2013, 103, 111106.	1.5	9
34	Urbach rule in luminescence and dynamics of a momentarily localized exciton in PbI <sub>2</sub> and HgI <sub>2</sub> . Journal of Luminescence, 1987, 38, 55-59.	1.5	8
35	Inverse Raman Scattering Resonant to Excitonic Polaritons in Red-HgI <sub>2</sub> and 2H-PbI <sub>2</sub> . Journal of the Physical Society of Japan, 1988, 57, 2573-2580.	0.7	8
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	Second-harmonic generation from complementary Au metasurfaces with triangular resonators. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1166.	0.9	7
38	Optical Properties of $(\text{C}_6\text{H}_5\text{C}_2\text{H}_4\text{NH}_3)_2\text{PbI}_4$ Film on Grating Substrates. Molecular Crystals and Liquid Crystals, 2001, 371, 167-170.	0.4	5
39	Resonant inverse Raman scattering in red-HgI <sub>2</sub> . Optics Communications, 1986, 59, 357-360.	1.0	4
40	RESONANT LIGHT TRANSMISSION IN METALLIC PHOTONIC CRYSTAL SLABS. International Journal of Nanoscience, 2002, 01, 657-661.	0.4	4
41	Analysis of transmission line meta-materials at optical wavelength. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 327-329.	0.8	4
42	Two-Photon Resonant Raman Scattering in Red-HgI <sub>2</sub> . Journal of the Physical Society of Japan, 1984, 53, 2407-2410.	0.7	3
43	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
44	Comparison of second harmonic generation from cross-polarized double-resonant metasurfaces on single crystals of Au. Nanophotonics, 2022, 11, 1931-1939.	2.9	3
45	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
46	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
47	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
48	Excitonic optical nonlinearity in PbI <sub>2</sub> . Journal of Luminescence, 1987, 38, 252-254.	1.5	1
49	THEORY OF SECOND-HARMONIC GENERATION FROM PHOTONIC CRYSTAL SLAB COMPOSED OF CENTROSYMMETRIC MATERIALS. Nonlinear Optics, Quantum Optics, 2002, 29, 357-365.	0.2	1
50	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
51	Effective Refractive Index of 3D Photonic Crystals at Photonic Bandgap. , 2006, , FThA2.		0
52	Fabrication and terahertz response of $\text{Si}_3\text{N}_4$ split-tube arrays. , 2013, , .		0
53	Linear and nonlinear optical properties of nano-porous gold film. , 2013, , .		0
54	Properties of Terahertz Wave Emission from Nano-porous Gold Excited by Femtosecond Laser Pulses. , 2018, , .		0

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55	Phase Singularities in Moiré Type Metasurfaces. , 2018, , .		0
56	Photo-induced voltage across negative index metamaterials. , 2006, , .		0
57	Photo-induced Voltage in Perforated Metal-Dielectric-Metal Multilayer Structure. , 2007, , .		0
58	Editorial on special issue: "Metamaterials and plasmonics in Asia". Nanophotonics, 2022, 11, 1655-1658.	2.9	0
59	The role of nonlocal response in second harmonic generation at metasurfaces with triangular metaatoms. EPJ Applied Metamaterials, 2022, 9, 12.	0.8	0