

Tomohiro Amemiya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3693577/publications.pdf>

Version: 2024-02-01

25
papers

333
citations

1040056

9
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed infrared photonic band microscope using hyperspectral Fourier image spectroscopy. Optics Letters, 2022, 47, 2430.	3.3	5
2	Highly efficient vertical coupling to a topological waveguide with defect structure. Optics Express, 2021, 29, 32755.	3.4	10
3	Control of slow-light effect in a metamaterial-loaded Si waveguide. Optics Express, 2020, 28, 23198.	3.4	8
4	Effect of increasing gate capacitance on the performance of a p-MoS ₂ /HfS ₂ van der Waals heterostructure tunneling field-effect transistor. Japanese Journal of Applied Physics, 2019, 58, SBBH02.	1.5	9
5	Demonstration of slow-light effect in silicon-wire waveguides combined with metamaterials. Optics Express, 2019, 27, 15007.	3.4	12
6	Metamaterial infrared refractometer for determining broadband complex refractive index. Optics Express, 2019, 27, 28879.	3.4	3
7	Control of slow-light effect in metamaterial-loaded Si waveguide. , 2019, , .		0
8	Type-II HfS ₂ /MoS ₂ Heterojunction Transistors. IEICE Transactions on Electronics, 2018, E101.C, 338-342.	0.6	6
9	Analysis of the slow-light effect in silicon wire waveguides with metamaterials. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 797.	2.1	10
10	Optically Driven Terahertz Wave Modulator Using Ring-Shaped Microstripline With GaInAs Photoconductive Mesa Structure. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	2.9	3
11	Metamaterial Waveguide Devices for Integrated Optics. Materials, 2017, 10, 1037.	2.9	22
12	Few-layer HfS ₂ transistors. Scientific Reports, 2016, 6, 22277.	3.3	131
13	Crystalline/Amorphous Si Integrated Optical Couplers for 2D/3D Interconnection. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 255-263.	2.9	29
14	Low Threshold and High Speed Operation of 1.55- μ m-Band Lasers by InP-Based Membrane Structure. The Review of Laser Engineering, 2016, 44, 508.	0.0	0
15	Permeability-controlled optical modulator with Tri-gate metamaterial: control of permeability on InP-based photonic integration platform. Scientific Reports, 2015, 5, 8985.	3.3	11
16	Optical Lattice Model Toward Nonreciprocal Invisibility Cloaking. IEEE Journal of Quantum Electronics, 2015, 51, 1-10.	1.9	9
17	Amorphous-Silicon Inter-Layer Grating Couplers With Metal Mirrors Toward 3-D Interconnection. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 317-322.	2.9	12
18	Low-power and high-speed operation capabilities of semiconductor membrane lasers — Energy cost limited by Joule heat. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Carrier-concentration-dependent resonance frequency shift in a metamaterial loaded semiconductor. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2110.	2.1	5
20	Permeability retrieval in InP-based waveguide optical device combined with metamaterial. Optics Letters, 2012, 37, 2301.	3.3	5
21	GaInAsP/InP Lateral Current Injection Laser With Uniformly Distributed Quantum-Well Structure. IEEE Photonics Technology Letters, 2012, 24, 888-890.	2.5	10
22	Magnetic Interactions at Optical Frequencies in an InP-Based Waveguide Device With Metamaterial. IEEE Journal of Quantum Electronics, 2011, 47, 736-744.	1.9	10
23	Lateral-Current-Injection Distributed Feedback Laser With Surface Grating Structure. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1175-1182.	2.9	21
24	Non-unity permeability in InP-based Mach-Zehnder interferometer with metamaterial. , 2011, , .		0
25	Metamaterial-based control of permeability in GaInAsP/InP multimode-interferometers. , 2010, , .		0