

Taichi Goto

List of Publications by Year in descending order

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64
papers

1,254
citations

471061

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377514

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65
all docs

65
docs citations

65
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband excitation of spin wave using microstrip line antennas for integrated magnonic devices. Journal Physics D: Applied Physics, 2022, 55, 115002.	1.3	3
2	Development of One-dimensional Magnonic Crystal using Forward Volume Spin Wave. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 327-332.	0.2	0
3	Development of liquid-phase fabrication of nanotube array-based multiferroic nanocomposite film. Journal of Alloys and Compounds, 2021, 869, 159219.	2.8	2
4	Induced nonlinear phase shift of spin waves for magnonic logic circuits. Applied Physics Letters, 2021, 119, .	1.5	6
5	Development of heat dissipation multilayer media for magnetic hologram memory. Electronics and Communications in Japan, 2020, 103, 22-29.	0.3	1
6	Development of Heat Dissipation Multilayered Media for Magnetic Hologram Memory. IEEJ Transactions on Fundamentals and Materials, 2020, 140, 125-130.	0.2	0
7	Nanotube array-based barium titanate-cobalt ferrite composite film for affordable magnetoelectric multiferroics. Journal of Materials Chemistry C, 2019, 7, 10066-10072.	2.7	19
8	Three port logic gate using forward volume spin wave interference in a thin yttrium iron garnet film. Scientific Reports, 2019, 9, 16472.	1.6	27
9	One-Dimensional Magnonic Crystal With Cu Stripes for Forward Volume Spin Waves. Physical Review Applied, 2019, 11, .	1.5	16
10	Development of Heat Dissipation Multilayer Media for Volumetric Magnetic Hologram Memory. Applied Sciences (Switzerland), 2019, 9, 1738.	1.3	4
11	Recording and reconstruction of volumetric magnetic hologram using multilayer medium with heat dissipation layers. Optics Express, 2019, 27, 27573.	1.7	3
12	Static and Dynamic Magnetic Properties of Single-Crystalline Yttrium Iron Garnet Films Epitaxially Grown on Three Garnet Substrates. Advanced Electronic Materials, 2018, 4, 1800106.	2.6	23
13	Crystalline and magneto-optical characteristics of $(\text{Tb,Bi})_3(\text{Fe,Ga})_5\text{O}_{12}$ deposited on $(\text{Y,Nd})_3\text{Al}_5\text{O}_{12}$. Japanese Journal of Applied Physics, 2018, 57, 061101.	0.8	2
14	Multiferroic nanocomposite fabrication via liquid phase using anodic alumina template. Science and Technology of Advanced Materials, 2018, 19, 535-542.	2.8	5
15	Magnetism and Faraday Rotation in Oxygen-Deficient Polycrystalline and Single-Crystal Iron-Substituted Strontium Titanate. Physical Review Applied, 2017, 7, .	1.5	16
16	Extremely flat transmission band of forward volume spin wave using gold and yttrium iron garnet. Journal Physics D: Applied Physics, 2017, 50, 275001.	1.3	13
17	Reconstruction of non-error magnetic hologram data by magnetic assist recording. Scientific Reports, 2017, 7, 12835.	1.6	10
18	Thermally stable amorphous tantalum yttrium oxide with low IR absorption for magnetophotonic devices. Scientific Reports, 2017, 7, 13805.	1.6	9

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19	The role of Snell's law for a magnonic majority gate. Scientific Reports, 2017, 7, 7898.	1.6	47
20	Randomly polarised beam produced by magneto-optically Q-switched laser. Scientific Reports, 2017, 7, 15398.	1.6	4
21	Error-free reconstruction of magnetic hologram via improvement of recording conditions in collinear optical system. Optics Express, 2017, 25, 15349.	1.7	8
22	Epitaxial growth of Ce substituted yttrium iron garnet film on Nd:YAG substrate. , 2017, , .		1
23	Development of a Wide-viewing-angle Magnetophotonic Crystal for a Magneto-optic Three-dimensional Display. IEJ Transactions on Fundamentals and Materials, 2017, 137, 398-403.	0.2	0
24	Epitaxially Grown Magnetic Garnet Film on Nd:YAG Substrate for Microchip Lasers. , 2017, , .		1
25	Thermomagnetic writing into magnetophotonic microcavities controlling thermal diffusion for volumetric magnetic holography. Optics Express, 2016, 24, 522.	1.7	13
26	Demonstration of a robust magnonic spin wave interferometer. Scientific Reports, 2016, 6, 30268.	1.6	49
27	Improvement of diffraction efficiency of three-dimensional magneto-optic spatial light modulator with magnetophotonic crystal. Applied Physics Letters, 2016, 108, 022404.	1.5	15
28	Magnetic domains driving a Q-switched laser. Scientific Reports, 2016, 6, 38679.	1.6	19
29	Spin wave absorber generated by artificial surface anisotropy for spin wave device network. AIP Advances, 2016, 6, 095204.	0.6	5
30	Magnetophotonic crystal with cerium substituted yttrium iron garnet and enhanced Faraday rotation angle. Optics Express, 2016, 24, 8746.	1.7	29
31	Magneto-optical Q-switching using magnetic garnet film with micromagnetic domains. Optics Express, 2016, 24, 17635.	1.7	19
32	Actively controlled Q-switched laser using domains in magneto-optical garnet film. , 2016, , .		0
33	Defect depth estimation using magneto optical imaging with magnetophotonic crystal. Journal of the Magnetics Society of Japan, 2015, 39, 213-215.	0.5	3
34	Colorized Magneto-optic Three Dimensional Display Using Optical Space Division Method. Journal of the Magnetics Society of Japan, 2015, 39, 44-47.	0.5	3
35	Effect of Structure and Properties of Magnetic Material on Diffraction Efficiency of Magnetophotonic Crystal Media for Magnetic Volumetric Holography. Journal of the Magnetics Society of Japan, 2015, 39, 33-36.	0.5	7
36	Metal thickness dependence on spin wave propagation in magnonic crystal using yttrium iron garnet. Journal of Applied Physics, 2015, 117, .	1.1	17

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37	Enhanced Magneto-optic Kerr Effect and Magnetic Properties of $\text{CeY}_{1-x}\text{O}_3$ Perovskite. Physical Review Applied, 2015, 4, .	1.1	19
38	Magneto-optical studies of $\text{SrGa}_{0.7}\text{Co}_{0.3}\text{O}_{3-\delta}$ perovskite thin films with embedded cobalt nanoparticles. Journal of Applied Physics, 2015, 117, 17A746.	1.1	0
39	Single-Step Deposition of Cerium-Substituted Yttrium Iron Garnet for Monolithic On-Chip Optical Isolation. ACS Photonics, 2015, 2, 856-863.	3.2	92
40	Spin wave differential circuit for realization of thermally stable magnonic sensors. Applied Physics Letters, 2015, 106, 132412.	1.5	8
41	$\text{SrGa}_{0.7}\text{Co}_{0.3}\text{O}_{3-\delta}$ perovskite-cobalt oxide-metal nanocomposite films: magnetic and optical properties. Nanotechnology, 2015, 26, 115701.	1.3	1
42	Spin wave isolator based on frequency displacement nonreciprocity in ferromagnetic bilayer. Journal of Applied Physics, 2015, 117, .	1.1	13
43	Oxygen partial pressure dependence of magnetic, optical and magneto-optical properties of epitaxial cobalt-substituted SrTiO_3 films. Optics Express, 2015, 23, 13399.	1.7	11
44	Collinear volumetric magnetic holography with magnetophotonic microcavities. Optics Express, 2015, 23, 13153.	1.7	9
45	A nonreciprocal racetrack resonator based on vacuum-annealed magneto-optical cerium-substituted yttrium iron garnet. Optics Express, 2014, 22, 19047.	1.7	25
46	Spin wave localization in one-dimensional magnonic microcavity comprising yttrium iron garnet. Journal of Applied Physics, 2014, 116, .	1.1	12
47	Integration of bulk-quality thin film magneto-optical cerium-doped yttrium iron garnet on silicon nitride photonic substrates. Optics Express, 2014, 22, 25183.	1.7	50
48	Colorization of Magnetic Hologram Images With Optical Space Division Method. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	2
49	Combinatorial Pulsed Laser Deposition of Magnetic and Magneto-optical $\text{Sr}(\text{Ga}_{1-x}\text{Ti}_x\text{Fe}_{0.34-0.40})\text{O}_{3-\delta}$ Perovskite Films. ACS Combinatorial Science, 2014, 16, 640-646.	3.8	9
50	Magneto-optic spatial light modulator with submicron-size magnetic pixels for wide-viewing-angle holographic displays. Optics Letters, 2014, 39, 3344.	1.7	37
51	Diffraction Efficiency of Volumetric Magnetic Holograms with Magnetophotonic Crystals. Journal of the Magnetics Society of Japan, 2014, 38, 119-122.	0.5	12
52	Vacuum annealed cerium-substituted yttrium iron garnet films on non-garnet substrates for integrated optical circuits. Journal of Applied Physics, 2013, 113, .	1.1	41
53	Para-magneto- and electro-optic microcavities for blue wavelength modulation. Optics Express, 2013, 21, 19648.	1.7	10
54	Magnetophotonic crystal comprising electro-optical layer for controlling helicity of light. Journal of Applied Physics, 2012, 111, 07A913.	1.1	5

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55	Magneto-optical properties of cerium substituted yttrium iron garnet films with reduced thermal budget for monolithic photonic integrated circuits. <i>Optics Express</i> , 2012, 20, 28507.	1.7	104
56	Selective Crystallization of Magnetic Garnet Films on Bragg Mirrors by Laser Annealing. <i>Journal of the Magnetism Society of Japan</i> , 2012, 36, 183-187.	0.5	6
57	One-Dimensional Single- and Dual-Cavity Magnetophotonic Crystal Fabricated by Bonding. <i>Journal of the Magnetism Society of Japan</i> , 2012, 36, 54-57.	0.5	11
58	Fabrication of Microcavity with Magneto- and Electro-Optical Film. <i>Journal of the Magnetism Society of Japan</i> , 2012, 36, 197-201.	0.5	3
59	Dual-cavity magnetophotonic crystals when applying bounding: An analysis by the matrix approach. <i>Journal of Physics: Conference Series</i> , 2011, 266, 012009.	0.3	0
60	Novel magnetophotonic crystals controlled by the electro-optic effect for non-reciprocal high-speed modulators. <i>Journal of Applied Physics</i> , 2011, 109, 07B756.	1.1	14
61	Fabrication of Magnetophotonic Crystals with Paramagnetic Garnet Films. <i>Journal of the Magnetism Society of Japan</i> , 2011, 35, 199-202.	0.5	3
62	Faraday rotation of a magnetophotonic crystal with the dual-cavity structure. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	23
63	Tailoring surfaces of one-dimensional magnetophotonic crystals: Optical Tamm state and Faraday rotation. <i>Physical Review B</i> , 2009, 79, .	1.1	59
64	Optical Tamm States in One-Dimensional Magnetophotonic Structures. <i>Physical Review Letters</i> , 2008, 101, 113902.	2.9	215