Ya-Xian Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2058427/publications.pdf

Version: 2024-02-01

38 papers	195 citations	1307594 7 h-index	1125743 13 g-index
38 all docs	38 docs citations	38 times ranked	182 citing authors

#	Article	IF	Citations
1	A Curvature Sensor Based on Twisted Single-Modeâ€“Multimodeâ€“Single-Mode Hybrid Optical Fiber Structure. Journal of Lightwave Technology, 2017, 35, 1725-1731.	4.6	57
2	Hypersensitive and Tunable Terahertz Wave Switch Based on Non-Bragg Structures Filled with Liquid Crystals. Journal of Lightwave Technology, 2017, 35, 3092-3098.	4.6	18
3	Mode conversion detection in an elastic plate based on Fizeau fiber interferometer. Applied Acoustics, 2018, 141, 234-239.	3.3	11
4	A magnetically tunable non-Bragg defect mode in a corrugated waveguide filled with liquid crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1000-1005.	2.1	9
5	Wide Band Terahertz Switch of Undulated Waveguide With VO₂ Film Coated Inner Wall. Journal of Lightwave Technology, 2018, 36, 4401-4407.	4.6	9
6	Single-mode interface states in heterostructure waveguides with Bragg and non-Bragg gaps. Scientific Reports, 2017, 7, 44381.	3.3	8
7	Hybrid structure of PbS QDs and vertically-few-layer MoS₂ nanosheets array for broadband photodetector. Nanotechnology, 2021, 32, 145602.	2.6	8
8	Terahertz Resonances of Transverse Standing Waves in a Corrugated Plate Waveguide. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	8
9	Orthogonality breaking induces extraordinary single-mode transparency in an elaborate waveguide with wall corrugations. Scientific Reports, 2014, 4, 7092.	3.3	7
10	Thermally Tunable Narrow Band Filter Achieved by Connecting Two Opaque Terahertz Waveguides. IEEE Photonics Technology Letters, 2017, 29, 869-872.	2.5	7
11	High-Sensitivity Humidity Sensor Based on Microknot Resonator Assisted Agarose-Coated Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2022, 40, 2191-2196.	4.6	5
12	Bandwidth-Agile Transparency of the Second Mode in a Periodically Corrugated Waveguide With an Arbitrary Wall Profile. Journal of Lightwave Technology, 2016, 34, 4890-4897.	4.6	4
13	Acoustic extraordinary transmission manipulation based on proximity effects of heterojunctions. Scientific Reports, 2019, 9, 1080.	3.3	4
14	Up-Conversion Luminescence and C-Band Laser in Er3+-Doped Fluorozirconate Glass Microsphere Resonator. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	4
15	Slanted-eye featured forbidden bands in a water channel with undulated sidewalls. Results in Physics, 2021, 22, 103984.	4.1	4
16	Graphene Characterization by Hilbert-Huang Transform-Based Terahertz Spectroscopy. IEEE Photonics Technology Letters, 2017, 29, 1880-1883.	2.5	3
17	A High-Resolution Terahertz Electric Field Sensor Using a Corrugated Liquid Crystal Waveguide. Crystals, 2019, 9, 302.	2.2	3
18	Antisymmetric Localization by a Defect in an Acoustic Band-Gap Structure. Physical Review Applied, 2019, 11, .	3.8	3

#	Article	IF	Citations
19	Transverse mode competition in defect states of a waveguide with corrugated walls. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126889.	2.1	3
20	Terahertz Displacement Sensing Based on Interface States of Hetero-Structures. Electronics (Switzerland), 2020, 9, 1213.	3.1	3
21	Observation of water surface wave localization in a trough with periodic sidewalls. AIP Advances, 2018, 8, 085308.	1.3	2
22	Terahertz Thermal Sensing by Using a Defect-Containing Periodically Corrugated Gold Waveguide. Applied Sciences (Switzerland), 2020, 10, 4365.	2.5	2
23	Multiple stopbands and wavefield asymmetry of surface water waves in non-Bragg structures. AIP Advances, 2021, 11, .	1.3	2
24	Terahertz flat-top broadband defect modes generated in periodically undulated waveguides. Physica Scripta, 2021, 96, 065503.	2.5	2
25	Internal Cylinder Identification Based on Different Transmission of Longitudinal and Shear Ultrasonic Waves. Sensors, 2021, 21, 723.	3.8	2
26	Topological interface states of surface water waves in a channel with heterojunctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 446, 128279.	2.1	2
27	Wave packet interactions in a thin aluminum plate partially immersed in water. Journal of the Acoustical Society of America, 2020, 148, 1723-1731.	1.1	1
28	Localization of water surface waves in a heterostructure channel with corrugated sidewalls. AIP Advances, 2021, 11, 015336.	1.3	1
29	Parameterization of localized states of liquid surface waves in non-Bragg structures. Results in Physics, 2021, 25, 104190.	4.1	1
30	Dynamically Induced Largeâ€Scale, Selective, and Vertical Structure Growth of MoS₂ Nanosheets. Advanced Engineering Materials, 2022, 24, 2101105.	3.5	1
31	Thermally tunable interface modes in corrugated waveguides with liquid crystals. Journal Physics D: Applied Physics, 2022, 55, 025108.	2.8	1
32	Coaxial Step index large mode area fiber with low propagation loss. , 2013, , .		0
33	Manipulating single second mode transparency in a corrugated waveguide via the thickness of sputtered gold. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1217-1221.	2.1	0
34	Interactions between the first mode and the second Bragg gap in a cylindrical waveguide with undulated walls. AIP Advances, 2017, 7, 105011.	1.3	0
35	Manipulation of double acoustic defect states based on connection phase mismatching. Results in Physics, 2021, 22, 103840.	4.1	0
36	Terahertz mode selector based on multimode resonances in corrugated waveguides. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2323.	2.1	0

#	Article	IF	Citations
37	Temperature tuning of defect state induced by the periodic cavities between the phononic crystals. AIP Advances, 2021, 11, 075113.	1.3	0
38	Periodic optical filter based on high-Q nested multiple coupled-knots resonator. Journal of Optics (United Kingdom), 0, , .	2.2	0