

# 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	Dynamically Induced Large-Scale, Selective, and Vertical Structure Growth of MoS <sub>2</sub> Nanosheets. <i>Advanced Engineering Materials</i> , 2022, 24, 2101105.	3.5	1
2	Thermally tunable interface modes in corrugated waveguides with liquid crystals. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 025108.	2.8	1
3	High-Sensitivity Humidity Sensor Based on Microknot Resonator Assisted Agarose-Coated Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , 2022, 40, 2191-2196.	4.6	5
4	Terahertz Resonances of Transverse Standing Waves in a Corrugated Plate Waveguide. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.	2.0	8
5	Topological interface states of surface water waves in a channel with heterojunctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 446, 128279.	2.1	2
6	Multiple stopbands and wavefield asymmetry of surface water waves in non-Bragg structures. <i>AIP Advances</i> , 2021, 11, .	1.3	2
7	Hybrid structure of PbS QDs and vertically-few-layer MoS <sub>2</sub> nanosheets array for broadband photodetector. <i>Nanotechnology</i> , 2021, 32, 145602.	2.6	8
8	Localization of water surface waves in a heterostructure channel with corrugated sidewalls. <i>AIP Advances</i> , 2021, 11, 015336.	1.3	1
9	Slanted-eye featured forbidden bands in a water channel with undulated sidewalls. <i>Results in Physics</i> , 2021, 22, 103984.	4.1	4
10	Manipulation of double acoustic defect states based on connection phase mismatching. <i>Results in Physics</i> , 2021, 22, 103840.	4.1	0
11	Terahertz flat-top broadband defect modes generated in periodically undulated waveguides. <i>Physica Scripta</i> , 2021, 96, 065503.	2.5	2
12	Parameterization of localized states of liquid surface waves in non-Bragg structures. <i>Results in Physics</i> , 2021, 25, 104190.	4.1	1
13	Terahertz mode selector based on multimode resonances in corrugated waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2323.	2.1	0
14	Temperature tuning of defect state induced by the periodic cavities between the phononic crystals. <i>AIP Advances</i> , 2021, 11, 075113.	1.3	0
15	Internal Cylinder Identification Based on Different Transmission of Longitudinal and Shear Ultrasonic Waves. <i>Sensors</i> , 2021, 21, 723.	3.8	2
16	Transverse mode competition in defect states of a waveguide with corrugated walls. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126889.	2.1	3
17	Terahertz Thermal Sensing by Using a Defect-Containing Periodically Corrugated Gold Waveguide. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4365.	2.5	2
18	Wave packet interactions in a thin aluminum plate partially immersed in water. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1723-1731.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Terahertz Displacement Sensing Based on Interface States of Hetero-Structures. Electronics (Switzerland), 2020, 9, 1213.	3.1	3
20	A High-Resolution Terahertz Electric Field Sensor Using a Corrugated Liquid Crystal Waveguide. Crystals, 2019, 9, 302.	2.2	3
21	Acoustic extraordinary transmission manipulation based on proximity effects of heterojunctions. Scientific Reports, 2019, 9, 1080.	3.3	4
22	Antisymmetric Localization by a Defect in an Acoustic Band-Gap Structure. Physical Review Applied, 2019, 11, .	3.8	3
23	Up-Conversion Luminescence and C-Band Laser in Er <sup>3+</sup> -Doped Fluorozirconate Glass Microsphere Resonator. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	4
24	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
25	Mode conversion detection in an elastic plate based on Fizeau fiber interferometer. Applied Acoustics, 2018, 141, 234-239.	3.3	11
26	Observation of water surface wave localization in a trough with periodic sidewalls. AIP Advances, 2018, 8, 085308.	1.3	2
27	Wide Band Terahertz Switch of Undulated Waveguide With VO <sub>2</sub> Film Coated Inner Wall. Journal of Lightwave Technology, 2018, 36, 4401-4407.	4.6	9
28	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
29	Thermally Tunable Narrow Band Filter Achieved by Connecting Two Opaque Terahertz Waveguides. IEEE Photonics Technology Letters, 2017, 29, 869-872.	2.5	7
30	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
31	Graphene Characterization by Hilbert-Huang Transform-Based Terahertz Spectroscopy. IEEE Photonics Technology Letters, 2017, 29, 1880-1883.	2.5	3
32	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
33	Single-mode interface states in heterostructure waveguides with Bragg and non-Bragg gaps. Scientific Reports, 2017, 7, 44381.	3.3	8
34	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
35	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
36	Orthogonality breaking induces extraordinary single-mode transparency in an elaborate waveguide with wall corrugations. Scientific Reports, 2014, 4, 7092.	3.3	7

#	ARTICLE	IF	CITATIONS
37	Coaxial Step index large mode area fiber with low propagation loss. , 2013, , .		0
38	Periodic optical filter based on high-Q nested multiple coupled-knots resonator. Journal of Optics (United Kingdom), 0, , .	2.2	0