

Chuanyi Tao

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Bragg grating array-based shape sensing for structural health monitoring of cylindrical marine structures. , 2022, , .		0
2	Detection of dynamic strain using an SOA-fiber ring laser and an arrayed waveguide grating demodulator. Optoelectronics Letters, 2022, 18, 331-337.	0.8	1
3	Dependence of gain coefficient and response time on the applied electric field in LiNbO ₃ :Fe crystal. Optics Communications, 2022, , 128745.	2.1	0
4	Enhancement of two-wave mixing gain coefficient by resonant mechanism in photorefractive semiconductor. Optik, 2021, 247, 167894.	2.9	1
5	Sagnac fiber interferometer with the population grating for fiber Bragg grating dynamic strain sensing. Optoelectronics Letters, 2021, 17, 723-728.	0.8	3
6	Exploiting the waste heat in graphene-based thermionic energy converter by means of thermophotovoltaic cell. Renewable Energy, 2020, 162, 1715-1722.	8.9	12
7	Fiber optic wrist pulse sensor for health monitoring in the home. , 2020, , .		0
8	Fiber optic acoustic emission sensing system using a SOA-based fiber ring laser. , 2020, , .		0
9	Multiplexed dynamic strain sensing system based on a fiber ring laser using a non-tunable fiber Fabry-Pérot filter. Applied Optics, 2020, 59, 2375.	1.8	7
10	A non-invasive optical fiber pulse sensor using a single-mode thin-core fiber for home health monitoring. , 2020, , .		0
11	Design and modeling of Mach-Zehnder type electro-optic modulators: balanced and unbalanced interferometers. , 2020, , .		0
12	Optimal design of a solar cell-driven electroluminescent refrigerator. Journal of Photonics for Energy, 2020, 10, .	1.3	0
13	Parametric optimum design of a near-field electroluminescent refrigerator. Journal Physics D: Applied Physics, 2019, 52, 325108.	2.8	3
14	Dynamic Strain Sensing System Based on Fiber Ring Laser. Guangxue Xuebao/Acta Optica Sinica, 2019, 39, 1006006.	1.2	0
15	Fiber-ring laser sensor system using a fiber Fabry-Pérot filter for ultrasound detection. , 2019, , .		0
16	Arrayed waveguide grating-based high-frequency ultrasonic sensors. , 2019, , .		0
17	Intensity-modulated optical fiber sensor for static strain and vibration monitoring. , 2019, , .		0
18	Mechanical Vibration Detection Based on Dynamic Population Gratings Recorded in Er-Doped Optical Fiber. Guangxue Xuebao/Acta Optica Sinica, 2018, 38, 0906001.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Dynamic population gratings in Er-doped optical fiber for mechanical vibrations detection. , 2018, , .		0
20	Refractometric optical fiber platforms based on reflective long-period fiber gratings. , 2018, , .		0
21	Dynamic sensors based on fiber-ring laser using a semiconductor optical amplifier. , 2018, , .		0
22	Detection of dynamic signals from fiber Bragg grating sensors based on two-wave mixing in saturable Er-doped fiber. , 2018, , .		0
23	Detection of dynamic signals from multiplexed SOA-based fiber-ring laser sensors. Applied Optics, 2018, 57, 10159.	1.8	5
24	An in-line Mach-Zehnder Interferometer Using Thin-core Fiber for Ammonia Gas Sensing With High Sensitivity. Scientific Reports, 2017, 7, 44994.	3.3	48
25	Hydrogen sulfide gas sensor based on graphene-coated tapered photonic crystal fiber interferometer. Sensors and Actuators B: Chemical, 2017, 247, 540-545.	7.8	61
26	Photonic crystal fiber based chloride chemical sensors for corrosion monitoring. Proceedings of SPIE, 2016, , .	0.8	4
27	Fiber Bragg grating dynamic strain sensor using an adaptive reflective semiconductor optical amplifier source. Applied Optics, 2016, 55, 2752.	2.1	40
28	Photonic crystal fiber modal interferometer for explosives detection. Proceedings of SPIE, 2016, , .	0.8	0
29	Photonic crystal fiber in-line Mach-Zehnder interferometer for explosive detection. Optics Express, 2016, 24, 2806.	3.4	23
30	Photonic crystal fiber sensor based on surface-enhanced Raman scattering for explosives detection. Proceedings of SPIE, 2016, , .	0.8	0
31	Grapefruit photonic crystal fiber long period gratings sensor for DNT sensing application. , 2016, , .		0
32	Reflective SOA fiber cavity adaptive laser source for measuring dynamic strains. , 2016, , .		1
33	Grapefruit photonic crystal fiber sensor for gas sensing application. Optical Engineering, 2016, 55, 057103.	1.0	11
34	Trace dissolved ammonia sensor based on porous polyelectrolyte membrane-coated thin-core fiber modal interferometer. Sensors and Actuators B: Chemical, 2016, 226, 7-13.	7.8	15
35	An Improved Synthetic Route to Rigid Triphenylene Ketal Bearing Structural Bicyclic Subunits. Letters in Organic Chemistry, 2016, 13, 388-392.	0.5	0
36	Spectral Study on Selective Encapsulation and Complexation of Chloroform by Cryptophane-E-(OEt) ₆ . Asian Journal of Chemistry, 2015, 27, 1269-1273.	0.3	0

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37	Synthesis and Photoluminescence of Tetravalent Cerium-Doped Alkaline-Earth-Metal Tungstate Phosphors by a Co-precipitation Method. <i>Spectroscopy Letters</i> , 2015, 48, 381-385.	1.0	15
38	Sensitivity enhancing of transition mode long-period fiber grating as methane sensor using high refractive index polycarbonate/cryptophane A overlay deposition. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 477-480.	7.8	66
39	High-sensitivity long-period fiber grating sensor with SAN/cryptophane A for coal mine gas detection. <i>Chinese Optics Letters</i> , 2013, 11, 080601-80604.	2.9	6
40	Effect of Mg substitution on structure and photoluminescence of $Mg_xZn_{1-x}MoO_4:Tb^{3+}$ phosphor. <i>Materials Letters</i> , 2012, 77, 35-37.	2.6	13
41	Luminescence properties of core-shell structured $SiO_2@CaMoO_4:Eu^{3+}$ phosphor. <i>Journal of Solid State Chemistry</i> , 2012, 187, 109-113.	2.9	24
42	Optical fiber methane sensor based on SAN film containing cryptophane-E-(OEt) ₆ . <i>Chinese Optics Letters</i> , 2012, 10, 100601-100603.	2.9	4
43	Long-period fiber grating sensor with a styrene-acrylonitrile nano-film incorporating cryptophane A for methane detection. <i>Optics Express</i> , 2011, 19, 14696.	3.4	35
44	Effect of surfactants on morphology and luminescent properties of $CaMoO_4:Eu^{3+}$ red phosphors. <i>Journal of Alloys and Compounds</i> , 2011, 509, 845-848.	5.5	85
45	Formation of hook-shaped and straight silica wires by a thermal vapor method. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1532-1536.	4.0	1
46	Luminescence properties of $ZnMoO_4:Tb^{3+}$ green phosphor prepared via co-precipitation. <i>Materials Letters</i> , 2011, 65, 2642-2644.	2.6	44
47	Efficient Encapsulation of Chloroform with Cryptophane-M and the Formation of Exciplex Studied by Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2011, 21, 531-538.	2.5	5
48	Theoretical investigation for the EPR g-factors of the mixed ground state in NaCl: Ag^{2+} crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1308-1310.	3.9	1
49	Stokes and anti-Stokes blue light emissions of thermal evaporated silica sub-micron wires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 466-470.	1.8	3
50	Theoretical studies on the SH parameters and local distortion structure of KCl: Ag^{2+} crystal. <i>Physica B: Condensed Matter</i> , 2011, 406, 56-58.	2.7	0
51	Optical absorption spectra and EPR g factor of divalent nickel doped magnesia crystal. <i>Optik</i> , 2011, 122, 1512-1514.	2.9	9
52	Optical fiber sensing element based on luminescence quenching of silica nanowires modified with cryptophane-A for the detection of methane. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 553-558.	7.8	35
53	Co-precipitation synthesis and photoluminescence properties of $(Ca_{1-x}Y_x)MoO_4:xEu^{3+}$ (Ln=Y, Gd) red phosphors. <i>Journal of Alloys and Compounds</i> , 2010, 505, 239-242.	5.5	48
54	Synthesis and Characteristic of $CaMoO_4:Eu^{3+}$ Red Phosphor for W-LED by Co-precipitation. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2010, 25, 1015-1019.	1.3	9