Xuming Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136 papers

4,061 citations

30 h-index 60 g-index

152 ext. papers

4,917 ext. citations

5.1 avg, IF

5.52 L-index

#	Paper	IF	Citations
136	Plasmonic photocatalysis. <i>Reports on Progress in Physics</i> , 2013 , 76, 046401	14.4	942
135	Switchable magnetic metamaterials using micromachining processes. <i>Advanced Materials</i> , 2011 , 23, 17	92 <u>-</u> 46	167
134	A study of the static characteristics of a torsional micromirror. <i>Sensors and Actuators A: Physical</i> , 2001 , 90, 73-81	3.9	144
133	A Micromachined Reconfigurable Metamaterial via Reconfiguration of Asymmetric Split-Ring Resonators. <i>Advanced Functional Materials</i> , 2011 , 21, 3589-3594	15.6	135
132	Optofluidic waveguide as a transformation optics device for lightwave bending and manipulation. <i>Nature Communications</i> , 2012 , 3, 651	17.4	123
131	Microfluidic reactors for photocatalytic water purification. <i>Lab on A Chip</i> , 2014 , 14, 1074-82	7.2	112
130	Refractive index measurement of single living cells using on-chip Fabry-PEot cavity. <i>Applied Physics Letters</i> , 2006 , 89, 203901	3.4	102
129	Laser-induced thermal bubbles for microfluidic applications. <i>Lab on A Chip</i> , 2011 , 11, 1389-95	7.2	96
128	Optofluidic planar reactors for photocatalytic water treatment using solar energy. <i>Biomicrofluidics</i> , 2010 , 4, 43004	3.2	91
127	Recycled waste black polyurethane sponges for solar vapor generation and distillation. <i>Applied Energy</i> , 2017 , 206, 63-69	10.7	89
126	A review of MEMS external-cavity tunable lasers. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, R1-R13	2	89
125	Tunable active edge sites in PtSe2 films towards hydrogen evolution reaction. <i>Nano Energy</i> , 2017 , 42, 26-33	17.1	77
124	Microfluidic photoelectrocatalytic reactors for water purification with an integrated visible-light source. <i>Lab on A Chip</i> , 2012 , 12, 3983-90	7.2	72
123	Hot Ælectron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18290-18294	16.4	55
122	Differential single living cell refractometry using grating resonant cavity with optical trap. <i>Applied Physics Letters</i> , 2007 , 91, 243901	3.4	49
121	Microfluidic immobilized enzyme reactors for continuous biocatalysis. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 9-32	4.9	49
120	Electrochemical Surface Plasmon Resonance Fiber-Optic Sensor: In Situ Detection of Electroactive Biofilms. <i>Analytical Chemistry</i> , 2016 , 88, 7609-16	7.8	43

(2013-2004)

Discrete wavelength tunable laser using microelectromechanical systems technology. <i>Applied Physics Letters</i> , 2004 , 84, 329-331	3.4	41
Optofluidic microcavities: Dye-lasers and biosensors. <i>Biomicrofluidics</i> , 2010 , 4, 043002	3.2	39
Miniature fiber optic pressure sensor with composite polymer-metal diaphragm for intradiscal pressure measurements. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044040	3.5	39
Linear MEMS variable optical attenuator using reflective elliptical mirror. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 402-404	2.2	39
A digitally generated ultrafine optical frequency comb for spectral measurements with 0.01-pm resolution and 0.7-µs response time. <i>Light: Science and Applications</i> , 2015 , 4, e300-e300	16.7	38
Rough gold films as broadband absorbers for plasmonic enhancement of TiO2 photocurrent over 400-800 nm. <i>Scientific Reports</i> , 2016 , 6, 33049	4.9	37
MEMS variable optical attenuator using low driving voltage for DWDM systems. <i>Electronics Letters</i> , 2002 , 38, 382	1.1	37
Plasmonic Au/TiO2-Dumbbell-On-Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. <i>Advanced Functional Materials</i> , 2018 , 28, 1800383	15.6	35
Biomimetic optical directional microphone with structurally coupled diaphragms. <i>Applied Physics Letters</i> , 2008 , 93, 243902	3.4	33
Microfluidic droplet grating for reconfigurable optical diffraction. <i>Optics Letters</i> , 2010 , 35, 1890-2	3	32
Optical and mechanical models for a variable optical attenuator using a micromirror drawbridge. Journal of Micromechanics and Microengineering, 2003 , 13, 400-411	2	32
Optofluidic tunable lenses using laser-induced thermal gradient. <i>Lab on A Chip</i> , 2016 , 16, 104-11	7.2	30
High-frequency ultrasonic transducer based on lead-free BSZT piezoceramics. <i>Ultrasonics</i> , 2011 , 51, 811	- 4 .5	30
Precise Sorting of Gold Nanoparticles in a Flowing System. <i>ACS Photonics</i> , 2016 , 3, 2497-2504	6.3	29
Tunable laser using micromachined grating with continuous wavelength tuning. <i>Applied Physics Letters</i> , 2004 , 85, 3684-3686	3.4	29
A comparative study of preparation methods of nanoporous TiO2 films for microfluidic photocatalysis. <i>Microelectronic Engineering</i> , 2011 , 88, 2797-2799	2.5	27
Continuous artificial synthesis of glucose precursor using enzyme-immobilized microfluidic reactors. <i>Nature Communications</i> , 2019 , 10, 4049	17.4	26
Resonant Optical Tunneling Effect: Recent Progress in Modeling and Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 9000310-9000310	3.8	26
	Optofluidic microcavities: Dye-lasers and biosensors. <i>Biomicrofluidics</i> , 2010, 4, 043002 Miniature fiber optic pressure sensor with composite polymer-metal diaphragm for intradiscal pressure measurements. <i>Journal of Biomedical Optics</i> , 2008, 13, 044040 Linear MEMS variable optical attenuator using reflective elliptical mirror. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 402-404 A digitally generated ultrafine optical frequency comb for spectral measurements with 0.01-pm resolution and 0.7-ps response time. <i>Light: Science and Applications</i> , 2015, 4, e300-e300 Rough gold films as broadband absorbers for plasmonic enhancement of TiO2 photocurrent over 400-800 nn. <i>Scientific Reports</i> , 2016, 6, 33049 MEMS variable optical attenuator using low driving voltage for DWDM systems. <i>Electronics Letters</i> , 2002, 38, 382 Plasmonic Au/TiO2-Dumbbell-On-Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. <i>Advanced Functional Materials</i> , 2018, 28, 1800383 Biomimetic optical directional microphone with structurally coupled diaphragms. <i>Applied Physics Letters</i> , 2008, 93, 243902 Microfluidic droplet grating for reconfigurable optical diffraction. <i>Optics Letters</i> , 2010, 35, 1890-2 Optical and mechanical models for a variable optical attenuator using a micromirror drawbridge. <i>Journal of Micromechanics and Microengineering</i> , 2003, 13, 400-411 Optofluidic tunable lenses using laser-induced thermal gradient. <i>Lab on A Chip</i> , 2016, 16, 104-11 High-frequency ultrasonic transducer based on lead-free BSZT piezoceramics. <i>Ultrasonics</i> , 2011, 51, 811 Precise Sorting of Gold Nanoparticles in a Flowing System. <i>ACS Photonics</i> , 2016, 3, 2497-2504 Tunable laser using micromachined grating with continuous wavelength tuning. <i>Applied Physics Letters</i> , 2004, 85, 3684-3686 A comparative study of preparation methods of nanoporous TiO2 films for microfluidic photocatalysis. <i>Microelectronic Engineering</i> , 2011, 88, 2797-2799 Continuous artificial synthesis of glucose precursor using enzyme-immobilized mi	Optofluidic microcavities: Dye-lasers and biosensors. Biomicrofluidics, 2010, 4, 043002 3.2 Miniature fiber optic pressure sensor with composite polymer-metal diaphragm for intradiscal pressure measurements. Journal of Biomedical Optics, 2008, 13, 044040 3.5 Linear MEMS variable optical attenuator using reflective elliptical mirror. IEEE Photonics Technology Letters, 2005, 17, 402-404 2.2 A digitally generated ultrafine optical frequency comb for spectral measurements with 0.01-pm resolution and 0.7-f/s response time. Light: Science and Applications, 2015, 4, e300-e300 16.7 Rough gold films as broadband absorbers for plasmonic enhancement of TiO2 photocurrent over 400-800 nm. Scientific Reports, 2016, 6, 33049 4.9 MEMS variable optical attenuator using low driving voltage for DWDM systems. Electronics Letters, 2002, 38, 382 1.1 Plasmonic Au/TiO2-Dumbbell-On-Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. Advanced Functional Materials, 2018, 28, 1800383 1.5 Biomimetic optical directional microphone with structurally coupled diaphragms. Applied Physics Letters, 2008, 93, 243902 3.4 Microfluidic droplet grating for reconfigurable optical diffraction. Optics Letters, 2010, 35, 1890-2 3. Optical and mechanical models for a variable optical attenuator using a micromirror drawbridge. Journal of Micromechanics and Microengineering, 2003, 13, 400-411 7.2 High-frequency ultrasonic transducer based on lead-free BSZT piezoceramics. Ultrasonics, 2011, 51, 811-5.5 Precise Sorting of Gold Nanoparticles in a Flowing System. ACS Photonics, 2016, 3, 2497-2504 6.3 Tunable laser using micromachined grating with continuous wavelength tuning. Applied Physics Letters, 2004, 85, 3684-3686 3.4 A comparative study of preparation methods of nanoporous TiO2 films for microfluidic photocatalysis. Microelectronic Engineering, 2011, 88, 2797-2799 Continuous artificial synthesis of glucose precursor using enzyme-immobilized microfluidic reactors. Nature Communications, 2019, 10, 4049

101	An optical crossconnect (OXC) using drawbridge micromirrors. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 227-238	3.9	26
100	A novel integrated micromachined tunable laser using polysilicon 3-D mirror. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 427-429	2.2	26
99	. IEEE Transactions on Terahertz Science and Technology, 2019 , 9, 209-214	3.4	25
98	Enhanced Photocatalytic Activity of WS Film by Laser Drilling to Produce Porous WS/WO Heterostructure. <i>Scientific Reports</i> , 2017 , 7, 3125	4.9	25
97	Miniature surface-mountable Fabry-Perot pressure sensor constructed with a 45 degrees angled fiber. <i>Optics Letters</i> , 2010 , 35, 1701-3	3	25
96	Tunable self-imaging effect using hybrid optofluidic waveguides. <i>Lab on A Chip</i> , 2015 , 15, 4398-403	7.2	24
95	Microfluidic reactors for visible-light photocatalytic water purification assisted with thermolysis. <i>Biomicrofluidics</i> , 2014 , 8, 054122	3.2	24
94	Synthesis of reduced graphene oxide/Bi2Mo3O12 @ Bi2O3 heterojunctions by organic electrolytes assisted UV-excited method. <i>Chemical Engineering Journal</i> , 2014 , 257, 309-316	14.7	22
93	Continuous wavelength tuning in micromachined Littrow external-cavity lasers. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 187-197	2	22
92	Measuring the Charge of a Single Dielectric Nanoparticle Using a High-Q Optical Microresonator. <i>Physical Review Applied</i> , 2016 , 6,	4.3	21
91	Plasmonic Black Absorbers for Enhanced Photocurrent of Visible-Light Photocatalysis. <i>Advanced Optical Materials</i> , 2017 , 5, 1600399	8.1	20
90	Tunable transformation optical waveguide bends in liquid. <i>Optica</i> , 2017 , 4, 839	8.6	20
89	Review on optofluidic microreactors for artificial photosynthesis. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 30-41	3	20
88	TiO2 nanosheet array thin film for self-cleaning coating. RSC Advances, 2015, 5, 9861-9864	3.7	19
87	Microfluidic chip-based one-step fabrication of an artificial photosystem I for photocatalytic cofactor regeneration. <i>RSC Advances</i> , 2016 , 6, 101974-101980	3.7	19
86	Pure angular momentum generator using a ring resonator. <i>Optics Express</i> , 2010 , 18, 21651-62	3.3	19
85	Phase modulation with micromachined resonant mirrors for low-coherence fiber-tip pressure sensors. <i>Optics Express</i> , 2009 , 17, 23965-74	3.3	19
84	Optofluidic UV-Vis spectrophotometer for online monitoring of photocatalytic reactions. <i>Scientific Reports</i> , 2016 , 6, 28928	4.9	18

83	Tunable Visible Cloaking Using Liquid Diffusion. Laser and Photonics Reviews, 2017, 11, 1700066	8.3	18
82	Multifunctional optical MEMS sensor platform with heterogeneous fiber optic Fabry P fot sensors for wireless sensor networks. <i>Sensors and Actuators A: Physical</i> , 2012 , 188, 471-480	3.9	18
81	Micromachined wavelength tunable laser with an extended feedback model. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002 , 8, 73-79	3.8	18
80	Hot Electron Tunneling of MetallhsulatorlOF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie</i> , 2019 , 131, 18458-18462	3.6	17
79	Clam-inspired nanoparticle immobilization method using adhesive tape as microchip substrate. Sensors and Actuators B: Chemical, 2016, 222, 106-111	8.5	17
78	Single-/multi-mode tunable lasers using MEMS mirror and grating. <i>Sensors and Actuators A: Physical</i> , 2003 , 108, 49-54	3.9	17
77	Optofluidic Tunable Lenses for In-Plane Light Manipulation. <i>Micromachines</i> , 2018 , 9,	3.3	16
76	Meta-microwindmill structure with multiple absorption peaks for the detection of ketamine and amphetamine type stimulants in terahertz domain. <i>Optical Materials Express</i> , 2014 , 4, 1876	2.6	16
75	Optofluidic refractometer using resonant optical tunneling effect. <i>Biomicrofluidics</i> , 2010 , 4, 43008	3.2	16
74	A micromachined tunable coupled-cavity laser for wide tuning range and high spectral purity. <i>Optics Express</i> , 2008 , 16, 16670-9	3.3	16
73	A micromachined optical double well for thermo-optic switching via resonant tunneling effect. <i>Applied Physics Letters</i> , 2008 , 92, 251101	3.4	16
72	Biomimetic microchannels of planar reactors for optimized photocatalytic efficiency of water purification. <i>Biomicrofluidics</i> , 2016 , 10, 014123	3.2	16
71	Micromachined optical well structure for thermo-optic switching. <i>Applied Physics Letters</i> , 2007 , 91, 261	1964	15
70	Tunable visual color filter using microfluidic grating. <i>Biomicrofluidics</i> , 2010 , 4, 43013	3.2	14
69	Retro-Axial VOA Using Parabolic Mirror Pair. IEEE Photonics Technology Letters, 2007, 19, 692-694	2.2	14
68	High photoelectrochemical activity and stability of Au-WS2/silicon heterojunction photocathode. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 174, 300-306	6.4	13
67	Polysilicon micromachined fiber-optical attenuator for DWDM applications. <i>Sensors and Actuators A: Physical</i> , 2003 , 108, 28-35	3.9	13
66	Determination of refractive index for single living cell using integrated biochip		13

65	Microfluidics-Based Plasmonic Biosensing System Based on Patterned Plasmonic Nanostructure Arrays. <i>Micromachines</i> , 2021 , 12,	3.3	13
64	Dual Mach Zehnder Interferometer Based on Side-Hole Fiber for High-Sensitivity Refractive Index Sensing. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-13	1.8	12
63	Dielectrophoresis-actuated in-plane optofluidic lens with tunability of focal length from negative to positive. <i>Optics Express</i> , 2018 , 26, 6532-6541	3.3	12
62	Surface Plasmon Resonance Sensor Based on an Angled Optical Fiber. <i>IEEE Sensors Journal</i> , 2014 , 14, 3229-3235	4	12
61	Asymmetric Tuning Schemes of MEMS Dual-Shutter VOA. <i>Journal of Lightwave Technology</i> , 2008 , 26, 569-579	4	12
60	Theoretical Analysis of an Optical Accelerometer Based on Resonant Optical Tunneling Effect. <i>Sensors</i> , 2017 , 17,	3.8	11
59	Aberration-free aspherical in-plane tunable liquid lenses by regulating local curvatures. <i>Lab on A Chip</i> , 2020 , 20, 995-1001	7.2	10
58	Photoelectrocatalytic microreactor for seawater decontamination with negligible chlorine generation. <i>Microsystem Technologies</i> , 2017 , 23, 4495-4500	1.7	10
57	Thermal-Optic Switch by Total Internal Reflection of Micromachined Silicon Prism. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 348-358	3.8	10
56	A Real Pivot Structure for MEMS Tunable Lasers. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 269-278	2.5	10
55	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H Production. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1235-1243	16.4	10
54	Fiber-Tip Polymer Microcantilever for Fast and Highly Sensitive Hydrogen Measurement. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> , 12, 33163-33172	9.5	9
53	Rapid Screening of Graphitic Carbon Nitrides for Photocatalytic Cofactor Regeneration Using a Drop Reactor. <i>Micromachines</i> , 2017 , 8, 175	3.3	9
52	Broadband efficient light absorbing in the visible regime by a metananoring array. <i>Annalen Der Physik</i> , 2014 , 526, 112-117	2.6	9
51	Liquid refractive index sensors using resonant optical tunneling effect for ultra-high sensitivity. <i>Sensors and Actuators A: Physical</i> , 2011 , 169, 347-351	3.9	9
50	A miniature tunable coupled-cavity laser constructed by micromachining technology. <i>Applied Physics Letters</i> , 2008 , 92, 031105	3.4	9
49	Enhancing plasmonic hot-carrier generation by strong coupling of multiple resonant modes. <i>Nanoscale</i> , 2021 , 13, 2792-2800	7.7	9
48	Quantitative investigation of plasmonic hot-electron injection by KPFM. <i>Applied Surface Science</i> , 2019 , 492, 644-650	6.7	8

(2018-2019)

47	Highly Sensitive Cell Concentration Detection by Resonant Optical Tunneling Effect. <i>Journal of Lightwave Technology</i> , 2019 , 37, 2800-2806	4	8
46	Light switching via thermo-optic effect of micromachined silicon prism. <i>Applied Physics Letters</i> , 2006 , 88, 243501	3.4	8
45	Vibration measurement with a micromachined mirror in a very-short external cavity laser. <i>Sensors and Actuators A: Physical</i> , 2004 , 116, 232-240	3.9	8
44	Dielectrophoresis-actuated liquid lenses with dual air/liquid interfaces tuned from biconcave to biconvex. <i>Lab on A Chip</i> , 2018 , 18, 3849-3854	7.2	8
43	Exact step-coupling theory for mode-coupling behavior in geometrical variation photonic crystal waveguides. <i>Physical Review B</i> , 2009 , 80,	3.3	7
42	Modeling of the optical torsion micromirror 1999 , 3899, 109		7
41	Microfluidic Reactors for Plasmonic Photocatalysis Using Gold Nanoparticles. <i>Micromachines</i> , 2019 , 10,	3.3	7
40	One-pot synthesis of CuO/C@H-TiO nanocomposites with enhanced visible-light photocatalytic activity <i>RSC Advances</i> , 2019 , 9, 41540-41548	3.7	7
39	Microfluidic flow direction control using continuous-wave laser. <i>Sensors and Actuators A: Physical</i> , 2012 , 188, 329-334	3.9	6
38	Integrated micromachined tunable lasers for all optical network (AON) applications. <i>Sensors and Actuators A: Physical</i> , 2002 , 97-98, 54-60	3.9	6
37	A monolithically integrated photonic MEMS subsystem for optical network applications. <i>Optics Communications</i> , 2005 , 249, 579-586	2	6
36	Miniaturized injection-locked laser using microelectromechanical systems technology. <i>Applied Physics Letters</i> , 2005 , 87, 101101	3.4	6
35	Enhancement of photo-electrochemical reactions in MAPbI3/Au. <i>Materials Today Energy</i> , 2018 , 9, 303-3	1 9	6
34	Lensed Water-Core Teflon-Amorphous Fluoroplastics Optical Fiber. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1538-1542	4	5
33	Hierarchic random nanosphere model for broadband solar energy absorbers. <i>Optical Materials Express</i> , 2015 , 5, 2777	2.6	5
32	Narrow-Linewidth Tunable Lasers With Retro-Reflective External Cavity. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1591-1593	2.2	5
31	New near-field and far-field attenuation models for free-space variable optical attenuators. <i>Journal of Lightwave Technology</i> , 2003 , 21, 3417-3426	4	5
30	Optical and quantum models of resonant optical tunneling effect. <i>Optics Communications</i> , 2018 , 428, 191-199	2	4

29	Understanding fly-ear inspired directional microphones 2009,		4
28	Time-variant 1D photonic crystals using flowing microdroplets. <i>Optics Express</i> , 2012 , 20, 24330-41	3.3	4
27	Tunable dual-wavelength laser constructed by silicon micromachining. <i>Applied Physics Letters</i> , 2008 , 92, 051113	3.4	4
26	Ultrafast polarization bio-imaging based on coherent detection and time-stretch techniques. <i>Biomedical Optics Express</i> , 2018 , 9, 6556-6568	3.5	4
25	Planar polarization-routing optical cross-connects using nematic liquid crystal waveguides. <i>Optics Express</i> , 2018 , 26, 402-418	3.3	3
24	UV-curable liquid-core fiber lenses with controllable focal length. <i>Optics Express</i> , 2013 , 21, 5505-10	3.3	3
23	Self-Latched Micromachined Mechanism With Large Displacement Ratio. <i>Journal of Microelectromechanical Systems</i> , 2006 , 15, 1576-1585	2.5	3
22	MEMS widely tunable lasers for WDM system applications 2002,		3
21	Photocatalytic ozonation for sea water decontamination. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101501	6.7	3
20	Parity-time symmetry based on resonant optical tunneling effect for biosensing. <i>Optics Communications</i> , 2020 , 475, 125815	2	2
19	Tunable Visible Cloaking Using Liquid Diffusion (Laser Photonics Rev. 11(6)/2017). <i>Laser and Photonics Reviews</i> , 2017 , 11, 1770062	8.3	2
18	Finite element simulation and theoretical analysis of fiber-optical switches. <i>Sensors and Actuators A: Physical</i> , 2002 , 96, 167-178	3.9	2
17	Variable Optical Delay Line Using Discrete Harmonic Oscillation in Waveguide Lattices. <i>Journal of Lightwave Technology</i> , 2015 , 33, 5095-5102	4	1
16	Enhancement of the volume refractive index sensing by ROTE and its application on cancer and normal cells discrimination. <i>Sensors and Actuators A: Physical</i> , 2020 , 313, 112177	3.9	1
15	Photocatalytic microreactors for water purification: Selective control of oxidation pathways 2013,		1
14	Controllable parabolic lensed liquid-core optical fiber by using electrostatic force. <i>Optics Express</i> , 2014 , 22, 20948-53	3.3	1
13	Laser-actuated micro-valves and micro-pumps 2011,		1
12	Electrically controlled polarization rotator using nematic liquid crystal. <i>Optics Express</i> , 2018 , 26, 32317	-3 33 23	1

LIST OF PUBLICATIONS

11	Co-Ni Basic Carbonate Nanowire/Carbon Nanotube Network With High Electrochemical Capacitive Performance via Electrochemical Conversion. <i>Frontiers in Chemistry</i> , 2021 , 9, 655025	5	1
10	Electrically generated optical waveguide in a lithium-niobate thin film. Optics Express, 2020, 28, 29895-	29903	1
9	Au/CQDs-TiO2 composite nanorod array film with simple preparation route and enhanced visible light response. <i>Micro and Nano Letters</i> , 2021 , 16, 132-141	0.9	1
8	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H2 Production. <i>Angewandte Chemie</i> , 2021 , 133, 1255-1263	3.6	1
7	Enhanced solar water splitting using plasmon-induced resonance energy transfer and unidirectional charge carrier transport. <i>Optics Express</i> , 2021 , 29, 34810-34825	3.3	1
6	. IEEE Photonics Journal, 2018 , 10, 1-17	1.8	O
5	. IEEE Photonics Journal, 2018, 10, 1-17 Discretely tunable micromachined injection-locked lasers. Journal of Micromechanics and Microengineering, 2010, 20, 085018	1.8	0
	Discretely tunable micromachined injection-locked lasers. <i>Journal of Micromechanics and</i>		
5	Discretely tunable micromachined injection-locked lasers. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 085018 PPy enhanced Fe, W Co-doped Co3O4 free-standing electrode for highly-efficient oxygen evolution	2	0

4x4 MEMS optical cross-connections (OXCs) **2000**, 4230, 174