Yuen Hong Tsang

List of Publications by Year in Descending Order

181 papers	6,232 citations	44 h-index	72 g-index
189 ext. papers	7,599 ext. citations	6.2 avg, IF	6.14 L-index

#	Paper	IF	Citations
181	Optics in high efficiency perovskite tandem solar cells **2022**, 319-345		
180	Waste Egg Tray and Toner-Derived Highly Efficient 3D Solar Evaporator for Freshwater Generation.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	3
179	High-temperature solar steam generation by MWCNT-HfTe2 van der Waals heterostructure for low-cost sterilization. *Nano Energy*, **2022**, 94, 106916	17.1	7
178	Nonlinear optical properties of two-dimensional palladium ditelluride (PdTe2) and its application as aerosol jet printed saturable absorbers for broadband ultrafast photonics. *Applied Materials Today*, **2022**, 26, 101296	6.6	3
177	Natural Porous Materials for Interfacial Solar Steam Generation toward Clean Water Production. *Solar Rrl*, **2022**, 6, 2270044	7.1	
176	Two-Dimensional Gallium Sulfide as a Novel Saturable Absorber for Broadband Ultrafast Photonics Applications. *ACS Applied Materials & Interfaces*, **2021**,	9.5	4
175	Tin Telluride Quantum Dots as a Novel Saturable Absorber for Q-Switching and Mode Locking in Fiber Lasers. *Advanced Optical Materials*, **2021**, 9, 2001821	8.1	6
174	Utilization of group 10 2D TMDs-PdSe as a nonlinear optical material for obtaining switchable laser pulse generation modes. *Nanotechnology*, **2021**, 32, 055201	3.4	12
173	Highly sensitive solar-blind deep ultraviolet photodetector based on graphene/PtSe2/β-Ga2O3 2D/3D Schottky junction with ultrafast speed. *Nano Research*, **2021**, 14, 1973-1979	10	52
172	Perovskite/perovskite planar tandem solar cells: A comprehensive guideline for reaching energy conversion efficiency beyond 30%. *Nano Energy*, **2021**, 79, 105400	17.1	37
171	Spray Pyrolyzed TiO Embedded Multi-Layer Front Contact Design for High-Efficiency Perovskite Solar Cells. *Nano-Micro Letters*, **2021**, 13, 36	19.5	21
170	Mechanism of non-catalytic chemical vapor deposition growth of all-inorganic CsPbX3 (X = Br, Cl) nanowires. *Journal of Materials Chemistry C*, **2021**, 9, 3229-3238	7.1	2
169	Solar Driven Interfacial Steam Generation Derived from Biodegradable Luffa Sponge. *Advanced Sustainable Systems*, **2021**, 5, 2000291	5.9	10
168	Fabrication of 2D PdSe/3D CdTe Mixed-Dimensional van der Waals Heterojunction for Broadband Infrared Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 41791-41801	9.5	10
167	Improved Nanophotonic Front Contact Design for High-Performance Perovskite Single-Junction and Perovskite/Perovskite Tandem Solar Cells. *Solar Rrl*, **2021**, 5, 2100509	7.1	9
166	Tin telluride quantum dots as a new saturable absorber for a mode-locked Yb+ doped fiber laser. *Optics and Laser Technology*, **2021**, 142, 107258	4.2	1
165	Reversible photochromic and photoluminescence in iodide perovskites. *Thin Solid Films*, **2021**, 737, 138950	2.0	1

164	Near field control for enhanced photovoltaic performance and photostability in perovskite solar cells. *Nano Energy*, **2021**, 89, 106388	17.1	12
163	Low-temperature treated anatase TiO2 nanophotonic-structured contact design for efficient triple-cation perovskite solar cells. *Chemical Engineering Journal*, **2021**, 426, 131831	14.7	9
162	Van der Waals Epitaxial Growth of Mosaic-Like 2D Platinum Ditelluride Layers for Room-Temperature Mid-Infrared Photodetection up to 10.6 μm. *Advanced Materials*, **2020**, 32, e2004412	24	86
161	Vertically Stacked Perovskite Detectors for Color Sensing and Color Vision. *Advanced Materials Interfaces*, **2020**, 7, 2000459	4.6	15
160	Influence of Perovskite Interface Morphology on the Photon Management in Perovskite/Silicon Tandem Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 15080-15086	9.5	20
159	Fabrication of MAPbBr3 Single Crystal p-n Photodiode and n-p-n Phototriode for Sensitive Light Detection Application. *Advanced Functional Materials*, **2020**, 30, 2001033	15.6	15
158	Size-dependent nonlinear optical properties of atomically thin PtS2 nanosheet. *Optical Materials*, **2020**, 101, 109694	3.3	4
157	Non-resonant metal-oxide metasurfaces for efficient perovskite solar cells. *Solar Energy*, **2020**, 198, 570-577	6.7	12
156	Atomic layer deposition of metal oxides for efficient perovskite single-junction and perovskite/silicon tandem solar cells.. *RSC Advances*, **2020**, 10, 14856-14866	3.7	12
155	Passively Q-switched and femtosecond mode-locked erbium-doped fiber laser based on a 2D palladium disulfide (PdS2) saturable absorber. *Photonics Research*, **2020**, 8, 511	6	23
154	Electrical and Optical Properties of Nickel-Oxide Films for Efficient Perovskite Solar Cells. *Small Methods*, **2020**, 4, 2000454	12.8	19
153	Controllable optical emission wavelength in all-inorganic halide perovskite alloy microplates grown by two-step chemical vapor deposition. *Nano Research*, **2020**, 13, 2939-2949	10	12
152	Perovskite Color Detectors: Approaching the Efficiency Limit. *ACS Applied Materials & Interfaces*, **2020**, 12, 47831-47839	9.5	18
151	Ultrafast Yb-Doped Fiber Laser Using Few Layers of PdS Saturable Absorber. *Nanomaterials*, **2020**, 10,	5.4	11
150	Mid-Infrared Photodetectors: Van der Waals Epitaxial Growth of Mosaic-Like 2D Platinum Ditelluride Layers for Room-Temperature Mid-Infrared Photodetection up to 10.6 μm (Adv. Mater. 52/2020). *Advanced Materials*, **2020**, 32, 2070394	24	4
149	Valence Engineering Dual-Cation and Boron Doping in Pyrite Selenide for Highly Efficient Oxygen Evolution. *ACS Nano*, **2019**, 13, 11469-11476	16.7	37
148	Optical limiting properties of a few-layer MoS2/PMMA composite under excitation of ultrafast laser pulses. *Journal of Materials Chemistry C*, **2019**, 7, 495-502	7.1	29
147	Optics of Perovskite Solar Cell Front Contacts. *ACS Applied Materials & Interfaces*, **2019**, 11, 14693-14701	9.5	24

146	Ultrafast laser pulse (115 fs) generation by using direct bandgap ultrasmall 2D GaTe quantum dots. *Journal of Materials Chemistry C*, **2019**, 7, 5937-5944	7.1	22
145	Fabrication of luminescent PtS2 quantum dots. *Journal of Luminescence*, **2019**, 211, 227-232	3.8	7
144	Metal-organic framework derived porous carbon of light trapping structures for efficient solar steam generation. *Solar Energy Materials and Solar Cells*, **2019**, 196, 36-42	6.4	54
143	Enhancing the energy conversion efficiency of low mobility solar cells by a 3D device architecture. *Journal of Materials Chemistry C*, **2019**, 7, 10289-10296	7.1	9
142	Multilayered PdSe/Perovskite Schottky Junction for Fast, Self-Powered, Polarization-Sensitive, Broadband Photodetectors, and Image Sensor Application. *Advanced Science*, **2019**, 6, 1901134	13.6	170
141	Perovskite/Silicon Tandem Solar Cells: From Detailed Balance Limit Calculations to Photon Management. *Nano-Micro Letters*, **2019**, 11, 58	19.5	68
140	Passively Q-switched Ytterbium-doped fiber laser based on broadband multilayer Platinum Ditelluride (PtTe) saturable absorber. *Scientific Reports*, **2019**, 9, 10106	4.9	21
139	InSe nanosheets with broadband saturable absorption used for near-infrared femtosecond laser mode locking. *Nanotechnology*, **2019**, 30, 465704	3.4	9
138	Highly Polarization-Sensitive, Broadband, Self-Powered Photodetector Based on Graphene/PdSe/Germanium Heterojunction. *ACS Nano*, **2019**, 13, 9907-9917	16.7	218
137	Phosphorus Incorporation into Co S Nanocages for Highly Efficient Oxygen Evolution Catalysis. *Small*, **2019**, 15, e1904507	11	51
136	Ultra-high adsorption of cationic methylene blue on two dimensional titanate nanosheets.. *RSC Advances*, **2019**, 9, 5891-5894	3.7	9
135	Photoluminescence of PdS and PdSe quantum dots.. *RSC Advances*, **2019**, 9, 38077-38084	3.7	8
134	In-situ fabrication of PtSe2/GaN heterojunction for self-powered deep ultraviolet photodetector with ultrahigh current on/off ratio and detectivity. *Nano Research*, **2019**, 12, 183-189	10	117
133	Ultrafast Laser Pulses Generation by Using 2D Layered PtS2 as a Saturable Absorber. *Journal of Lightwave Technology*, **2019**, 37, 1174-1179	4	27
132	Photodetectors: Controlled Synthesis of 2D Palladium Diselenide for Sensitive Photodetector Applications (Adv. Funct. Mater. 1/2019). *Advanced Functional Materials*, **2019**, 29, 1970005	15.6	9
131	Controlled Synthesis of 2D Palladium Diselenide for Sensitive Photodetector Applications. *Advanced Functional Materials*, **2019**, 29, 1806878	15.6	187
130	Ultrafast, Self-Driven, and Air-Stable Photodetectors Based on Multilayer PtSe/Perovskite Heterojunctions. *Journal of Physical Chemistry Letters*, **2018**, 9, 1185-1194	6.4	119
129	Ultrafast and sensitive photodetector based on a PtSe2/silicon nanowire array heterojunction with a multiband spectral response from 200 to 1550 nm. *NPG Asia Materials*, **2018**, 10, 352-362	10.3	136

128	Maximizing the short circuit current of organic solar cells by partial decoupling of electrical and optical properties. *Applied Nanoscience (Switzerland)*, **2018**, 8, 339-346	3.3	5
127	Photovoltaic high-performance broadband photodetector based on MoS2/Si nanowire array heterojunction. *Solar Energy Materials and Solar Cells*, **2018**, 182, 272-280	6.4	42
126	Fast, Self-Driven, Air-Stable, and Broadband Photodetector Based on Vertically Aligned PtSe2/GaAs Heterojunction. *Advanced Functional Materials*, **2018**, 28, 1705970	15.6	207
125	Nanophotonic design of perovskite/silicon tandem solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 3625-3633	13	41
124	Multifunctional Sensor Based on Porous Carbon Derived from Metal-Organic Frameworks for Real Time Health Monitoring. *ACS Applied Materials & Interfaces*, **2018**, 10, 3986-3993	9.5	94
123	Correction to Multifunctional Sensor Based on Porous Carbon Derived from Metal-Organic Frameworks for Real Time Health Monitoring. *ACS Applied Materials & Interfaces*, **2018**, 10, 10599	9.5	2
122	High photoelectrochemical activity and stability of Au-WS2/silicon heterojunction photocathode. *Solar Energy Materials and Solar Cells*, **2018**, 174, 300-306	6.4	13
121	Silver nanoparticle-decorated graphene oxide for surface-enhanced Raman scattering detection and optical limiting applications. *Journal of Materials Science*, **2018**, 53, 573-580	4.3	10
120	Approaching Perfect Light Incoupling in Perovskite and Silicon Thin Film Solar Cells by Moth Eye Surface Textures. *Advanced Theory and Simulations*, **2018**, 1, 1800030	3.5	30
119	Laser Q-switching with PtS microflakes saturable absorber. *Optics Express*, **2018**, 26, 13055-13060	3.3	37
118	Vertically standing PtSe2 film: a saturable absorber for a passively mode-locked Nd:LuVO4 laser. *Photonics Research*, **2018**, 6, 750	6	47
117	Photodetectors: Fast, Self-Driven, Air-Stable, and Broadband Photodetector Based on Vertically Aligned PtSe2/GaAs Heterojunction (Adv. Funct. Mater. 16/2018). *Advanced Functional Materials*, **2018**, 28, 1870106	15.6	2
116	Technique and model for modifying the saturable absorption (SA) properties of 2D nanofilms by considering interband exciton recombination. *Journal of Materials Chemistry C*, **2018**, 6, 7501-7511	7.1	27
115	Design of 2D Layered PtSe2 Heterojunction for the High-Performance, Room-Temperature, Broadband, Infrared Photodetector. *ACS Photonics*, **2018**, 5, 3820-3827	6.3	105
114	Active site engineering of Fe- and Ni-sites for highly efficient electrochemical overall water splitting. *Journal of Materials Chemistry A*, **2018**, 6, 21445-21451	13	48
113	Ultrasmall 2D NbSe2 based quantum dots used for low threshold ultrafast lasers. *Journal of Materials Chemistry C*, **2018**, 6, 12638-12642	7.1	37
112	Photocatalytic and electrochemical performance of three-Dimensional reduced graphene Oxide/WS2/Mg-doped ZnO composites. *Applied Surface Science*, **2017**, 400, 129-138	6.7	64
111	Time and pressure dependent deformation of microcontact printed channels fabricated using self-assembled monolayers of alkanethiol on gold. *Journal of Science: Advanced Materials and Devices*, **2017**, 2, 385-391	4.2	7

110	Tunable active edge sites in PtSe2 films towards hydrogen evolution reaction. *Nano Energy*, **2017**, 42, 26-33	17.1	77
109	High-performance MoS/Si heterojunction broadband photodetectors from deep ultraviolet to near infrared. *Optics Letters*, **2017**, 42, 3335-3338	3	49
108	Recycled waste black polyurethane sponges for solar vapor generation and distillation. *Applied Energy*, **2017**, 206, 63-69	10.7	89
107	Two-dimensional nanomaterials for photocatalytic CO2 reduction to solar fuels. *Sustainable Energy and Fuels*, **2017**, 1, 1875-1898	5.8	115
106	Effect of back reflectors on photon absorption in thin-film amorphous silicon solar cells. *Applied Nanoscience (Switzerland)*, **2017**, 7, 489-497	3.3	28
105	Passively Q-Switched Nd:YVO4 Laser Using WS2 Saturable Absorber Fabricated by Radio Frequency Magnetron Sputtering Deposition. *Journal of Lightwave Technology*, **2017**, 35, 4120-4124	4	27
104	Enhanced Photocatalytic Activity of WS Film by Laser Drilling to Produce Porous WS/WO Heterostructure. *Scientific Reports*, **2017**, 7, 3125	4.9	25
103	Graphene oxide/WS2/Mg-doped ZnO nanocomposites for solar-light catalytic and anti-bacterial applications. *Solar Energy Materials and Solar Cells*, **2017**, 160, 43-53	6.4	112
102	Efficient amorphous silicon solar cells: characterization, optimization, and optical loss analysis. *Results in Physics*, **2017**, 7, 4287-4293	3.7	41
101	High-average-power, high-repetition-rate tunable terahertz difference frequency generation with GaSe crystal pumped by 2 μm dual-wavelength intracavity KTP optical parametric oscillator. *Photonics Research*, **2017**, 5, 82	6	32
100	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. *Angewandte Chemie - International Edition*, **2016**, 55, 12356-60	16.4	93
99	Microfluidic chip-based one-step fabrication of an artificial photosystem I for photocatalytic cofactor regeneration. *RSC Advances*, **2016**, 6, 101974-101980	3.7	19
98	High-responsivity UV-Vis Photodetector Based on Transferable WS2 Film Deposited by Magnetron Sputtering. *Scientific Reports*, **2016**, 6, 20343	4.9	156
97	The WS2 quantum dot: preparation, characterization and its optical limiting effect in polymethylmethacrylate. *Nanotechnology*, **2016**, 27, 414005	3.4	28
96	Effect of laser illumination on the morphology and optical property of few-layer MoS2 nanosheet in NMP and PMMA. *Journal of Materials Chemistry C*, **2016**, 4, 678-683	7.1	16
95	On the interplay of cell thickness and optimum period of silicon thin-film solar cells: light trapping and plasmonic losses. *Progress in Photovoltaics: Research and Applications*, **2016**, 24, 379-388	6.8	24
94	Simultaneous multi-frequency topological edge modes between one-dimensional photonic crystals. *Optics Letters*, **2016**, 41, 1644-7	3	42
93	Role of hydroxylation modification on the structure and property of reduced graphene oxide/TiO 2 hybrids. *Applied Surface Science*, **2016**, 382, 225-238	6.7	74

92	Innenrücktitelbild: Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core–Shell Nanostructure (Angew. Chem. 40/2016). *Angewandte Chemie*, **2016**, 128, 12731-12731	3.6	
91	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core–Shell Nanostructure. *Angewandte Chemie*, **2016**, 128, 12544-12548	3.6	11
90	Highly efficient photocatalytic performance of graphene oxide/TiO2–Bi2O3 hybrid coating for organic dyes and NO gas. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 3385-3391	2.1	20
89	MnOx quantum dots decorated reduced graphene oxide/TiO2 nanohybrids for enhanced activity by a UV pre-catalytic microwave method. *Applied Catalysis B: Environmental*, **2015**, 176-177, 500-512	21.8	38
88	Adsorption, photocatalytic and sunlight-driven antibacterial activity of Bi2WO6/graphene oxide nanoflakes. *Vacuum*, **2015**, 116, 48-53	3.7	40
87	Bilayer graphene based surface passivation enhanced nano structured self-powered near-infrared photodetector. *Optics Express*, **2015**, 23, 4839-46	3.3	33
86	High-power passively mode-locked Nd:YVO(4) laser using SWCNT saturable absorber fabricated by dip coating method. *Optics Express*, **2015**, 23, 4880-6	3.3	10
85	Tuning nonlinear optical absorption properties of WS2 nanosheets. *Nanoscale*, **2015**, 7, 17771-7	7.7	46
84	Highly-sensitive epinephrine sensors based on organic electrochemical transistors with carbon nanomaterial modified gate electrodes. *Journal of Materials Chemistry C*, **2015**, 3, 6532-6538	7.1	43
83	Enhanced photocatalytic properties of graphene oxide/ZnO nanohybrid by Mg dopants. *Physica Scripta*, **2015**, 90, 025806	2.6	18
82	Controllable Growth of Large-Size Crystalline MoS2 and Resist-Free Transfer Assisted with a Cu Thin Film. *Scientific Reports*, **2015**, 5, 18596	4.9	130
81	Stretchable all-solid-state supercapacitor with wavy shaped polyaniline/graphene electrode. *Journal of Materials Chemistry A*, **2014**, 2, 9142-9149	13	264
80	Lensed Water-Core Teflon-Amorphous Fluoroplastics Optical Fiber. *Journal of Lightwave Technology*, **2014**, 32, 1538-1542	4	5
79	Improved anatase phase stability in small diameter TiO2 nanotube arrays for high performance dye-sensitized solar cells. *Journal of Alloys and Compounds*, **2014**, 607, 50-53	5.7	9
78	An Ytterbium-doped fiber laser with dark and Q-switched pulse generation using graphene-oxide as saturable absorber. *Optics Communications*, **2014**, 312, 227-232	2	39
77	Bifunctional Au@Pt core-shell nanostructures for in situ monitoring of catalytic reactions by surface-enhanced Raman scattering spectroscopy. *Nanoscale*, **2014**, 6, 9063-70	7.7	74
76	Enhanced SERS Stability of R6G Molecules with Monolayer Graphene. *Journal of Physical Chemistry C*, **2014**, 118, 11827-11832	3.8	59
75	Large-diameter titanium dioxide nanotube arrays as a scattering layer for high-efficiency dye-sensitized solar cell. *Nanoscale Research Letters*, **2014**, 9, 362	5	14

74	Synthesis of reduced graphene oxide/□Bi2Mo3O12 @ □Bi2O3 heterojunctions by organic electrolytes assisted UV-excited method. *Chemical Engineering Journal*, **2014**, 257, 309-316	14.7	22
73	Preparation and characterization of few-layer MoS2 nanosheets and their good nonlinear optical responses in the PMMA matrix. *Nanoscale*, **2014**, 6, 9713-9	7.7	76
72	In situ SERS monitoring of photocatalytic organic decomposition using recyclable TiO2-coated Ag nanowire arrays. *Applied Surface Science*, **2014**, 301, 351-357	6.7	47
71	Three operation regimes with an L-band ultrafast fiber laser passively mode-locked by graphene oxide saturable absorber. *Journal of the Optical Society of America B: Optical Physics*, **2014**, 31, 716	1.7	22
70	Controllable parabolic lensed liquid-core optical fiber by using electrostatic force. *Optics Express*, **2014**, 22, 20948-53	3.3	1
69	Mass transport mechanism of cu species at the metal/dielectric interfaces with a graphene barrier. *ACS Nano*, **2014**, 8, 12601-11	16.7	43
68	Improved multiphoton ultraviolet upconversion photoluminescence in ultrasmall core-shell nanocrystals. *Optics Letters*, **2014**, 39, 6265-8	3	11
67	3W high-power laser passively mode-locked by graphene oxide saturable absorber. *Optics Communications*, **2013**, 298-299, 168-170	2	21
66	An L-band graphene-oxide mode-locked fiber laser delivering bright and dark pulses. *Laser Physics*, **2013**, 23, 075105	1.2	27
65	Near- and mid-infrared photoluminescence in Ho3+ doped and Ho3+/Yb3+ codoped low-phonon-energy germanotellurite glasses. *Journal of Luminescence*, **2013**, 137, 132-137	3.8	29
64	Intense near-infrared emission of 1.23 □m in erbium-doped low-phonon-energy fluorotellurite glass. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 111, 49-53	4.4	9
63	Fabrication of Covalently Functionalized Graphene Oxide Incorporated Solid-State Hybrid Silica Gel Glasses and Their Improved Nonlinear Optical Response. *Journal of Physical Chemistry C*, **2013**, 117, 23108-23116	4.8	47
62	The generation of dissipative solitons in an all-fiber passively mode-locked laser based on semiconduct type of carbon nanotubes absorber. *Optical Fiber Technology*, **2013**, 19, 200-205	2.4	7
61	Sub-100ns solid-state laser Q-switched with double wall carbon nanotubes. *Optics Communications*, **2013**, 306, 128-130	2	17
60	Broadband conversion of ultraviolet to visible and near-infrared emission in Gd3+/Yb3+ codoped germanate glass. *Journal of Non-Crystalline Solids*, **2013**, 376, 26-29	3.9	7
59	Enhanced light emission near 2.7□m from Er□d co-doped germanate glass. *Optical Materials*, **2013**, 35, 1247-1250	3.3	44
58	Core□shell nanoarchitecture: a strategy to significantly enhance white-light upconversion of lanthanide-doped nanoparticles. *Journal of Materials Chemistry C*, **2013**, 1, 4313	7.1	57
57	Enhanced ~ 2 □m and upconversion emission from Ho□b codoped oxyfluoride glass ceramics. *Journal of Non-Crystalline Solids*, **2013**, 361, 13-16	3.9	35

56	Mode-locked Nd: GdVO4 laser with graphene oxide/polyvinyl alcohol composite material absorber as well as an output coupler. *Optics Communications*, **2013**, 289, 119-122	2	18
55	Yb-doped passively mode-locked fiber laser based on a single wall carbon nanotubes wallpaper absorber. *Optics and Laser Technology*, **2013**, 47, 144-147	4.2	18
54	UV-curable liquid-core fiber lenses with controllable focal length. *Optics Express*, **2013**, 21, 5505-10	3.3	3
53	Compact broadband amplified spontaneous emission in Tm^3+-doped tungsten tellurite glass double-cladding single-mode fiber. *Optical Materials Express*, **2013**, 3, 723	2.6	30
52	Multi-walled carbon nanotube as a saturable absorber for a passively mode-locked Nd:YVO4laser. *Laser Physics Letters*, **2013**, 10, 055805	1.5	13
51	Reflective graphene oxide absorber for passively mode-locked laser operating at nearly 1 □m. *Chinese Physics B*, **2013**, 22, 094210	1.2	5
50	Upconversion Luminescence of Tm3+/Yb3+ Codoped Oxyfluoride Glass Ceramics Containing Ba2YbF7 Nanocrystals. *Integrated Ferroelectrics*, **2013**, 142, 31-36	0.8	5
49	Broadband single-walled carbon nanotubes absorber for solid-state ultrafast lasers. *Laser Physics*, **2012**, 22, 1043-1048	1.2	
48	All-Fiber Dissipative Solitons Evolution in a Compact Passively Yb-Doped Mode-Locked Fiber Laser. *Journal of Lightwave Technology*, **2012**, 30, 2502-2507	4	41
47	20 W High-Power Picosecond Single-Walled Carbon Nanotube Based MOPA Laser System. *Journal of Lightwave Technology*, **2012**, 30, 2713-2717	4	12
46	Superbroadband NIR Photoluminescence in ${rm Nd}^{3+}/{rm Tm}^{3+}/{rm Er}^{3+}$ Codoped Fluorotellurite Glasses. *IEEE Photonics Technology Letters*, **2012**, 24, 924-926	2.2	9
45	Graphene-Oxide-Based Q-Switched Fiber Laser with Stable Five-Wavelength Operation. *Chinese Physics Letters*, **2012**, 29, 114206	1.8	21
44	Intense Near-UV Upconversion Luminescence in ${rm Tm}^{3+}/{rm Yb}^{3+}$ Co-Doped Low-Phonon-Energy Lithium Gallogermanate Oxide Glass. *IEEE Photonics Technology Letters*, **2012**, 24, 1726-1729	2.2	12
43	Graphene Oxide Absorbers for Watt-Level High-Power Passive Mode-Locked Nd:GdVO $_{4}$ Laser Operating at 1 mum. *Journal of Lightwave Technology*, **2012**, 30, 3259-3262	4	61
42	Enhanced 2.0□m emission and energy transfer in Yb3+/Ho3+/Ce3+ triply doped tellurite glass. *Journal of Non-Crystalline Solids*, **2012**, 358, 1644-1648	3.9	28
41	Watt-level high power passively mode-locked Nd:LuVO4 laser with carbon nanotube saturable absorber at 1.34□m. *Optics Communications*, **2012**, 285, 5372-5374	2	3
40	Broadband 1.20□m emission in Tm3+-doped and Tm3+/Tb3+, Eu3+ codoped gallogermanate glasses. *Optical Materials*, **2012**, 34, 1776-1780	3.3	8
39	Microfluidic flow direction control using continuous-wave laser. *Sensors and Actuators A: Physical*, **2012**, 188, 329-334	3.9	6

38	Efficient 2.7 micron emission from Er3 +/Pr3 + codoped oxyfluorotellurite glass. *Journal of Non-Crystalline Solids*, **2012**, 358, 3403-3406	3.9	29
37	Strontium titanate/silicon-based terahertz photonic crystal multilayer stack. *Applied Physics A: Materials Science and Processing*, **2012**, 107, 109-115	2.6	1
36	Narrow-Linewidth Tunable Lasers With Retro-Reflective External Cavity. *IEEE Photonics Technology Letters*, **2012**, 24, 1591-1593	2.2	5
35	Superbroadband near-IR photoluminescence from Pr3+-doped fluorotellurite glasses. *Optics Express*, **2012**, 20, 3803-13	3.3	62
34	Superbroadband near-infrared emission and energy transfer in Pr3+-Er3+ codoped fluorotellurite glasses. *Optics Express*, **2012**, 20, 12205-11	3.3	29
33	Spectroscopic and lasing studies of Ce3+:Er3+:Yb3+:YVO4 crystals. *Laser Physics Letters*, **2011**, 8, 729-735	1.5	17
32	Efficient lasing at near 3μm by a Dy-doped ZBLAN fiber laser pumped at ~1.1 μm by an Yb fiber laser. *Laser Physics Letters*, **2011**, 8, 818-822	1.5	27
31	A comparative study of preparation methods of nanoporous TiO2 films for microfluidic photocatalysis. *Microelectronic Engineering*, **2011**, 88, 2797-2799	2.5	27
30	Tellurite glass lasers operating close to 2μm. *Laser Physics Letters*, **2010**, 7, 177-193	1.5	112
29	~2 μm Tm3+/Yb3+-doped tellurite fibre laser. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 317-320	2.1	10
28	Record performance from a Q-switched Er3+:Yb3+:YVO4 laser. *Applied Physics B: Lasers and Optics*, **2009**, 96, 11-17	1.9	19
27	Q-switched operation of a Nd:YCOB laser. *Optics Communications*, **2009**, 282, 97-100	2	5
26	Recent advances in mid-IR optical fibres for chemical and biological sensing in the 2-15μm spectral range **2009**,		3
25	Numerical rate equation modelling of a 1.61 μm pumped ~2 μm Tm3+-doped tellurite fibre laser **2008**,		1
24	Efficient approximately 2 microm Tm3+ -doped tellurite fiber laser. *Optics Letters*, **2008**, 33, 402-4	3	105
23	Tm(3+)/Ho(3+) codoped tellurite fiber laser. *Optics Letters*, **2008**, 33, 1282-4	3	57
22	A Yb3+/Tm3+/Ho3+ triply-doped tellurite fibre laser. *Optics Express*, **2008**, 16, 10690-5	3.3	59
21	A mechanically Q-switched Yb:Er:YVO 4 laser **2008**,		1

20	Record performance from a passively Q-switched Yb:Er:YVO 4 laser **2008**,		2
19	CW and Q-switched 2.1 Eh Tm3+/Ho3+/Yb3+-triply-doped tellurite fibre lasers **2008**,		2
18	Multi-mode 2 Eh Tm-silica fibre lasers with 1.61 Eh in-band pumping. *Journal of Modern Optics*, **2007**, 54, 1659-1667	1.1	2
17	104 W high stability green laser generation by using diode laser pumped intracavity frequency-doubling Q-switched composite ceramic Nd:YAG laser. *Optics Express*, **2007**, 15, 3991-7	3.3	33
16	Infrared emission and energy transfer in Tm(3+), Tm(3+)-Ho(3+) and Tm(3+)-Yb(3+)-doped tellurite fibre. *Optics Express*, **2007**, 15, 6546-51	3.3	84
15	A model of a QCW diode pumped passively Q-switched solid state laser. *Journal of Modern Optics*, **2007**, 54, 1685-1694	1.1	2
14	Efficient 2.96 micron dysprosium-doped ZBLAN fibre laser pumped at 1.3 micron **2006**,		4
13	Broadband amplified spontaneous emission double-clad fibre source with central wavelengths near 2 Eh. *Journal of Modern Optics*, **2006**, 53, 991-1001	1.1	18
12	Efficient 2.96 microm dysprosium-doped fluoride fibre laser pumped with a Nd:YAG laser operating at 1.3 microm. *Optics Express*, **2006**, 14, 678-85	3.3	69
11	Output dynamics and stabilisation of a multi-mode double-clad Yb-doped silica fibre laser. *Optics Communications*, **2006**, 259, 236-241	2	16
10	Intra-cavity second-harmonic and sum-frequency generation in a diode-pumped broadband Yb-doped fibre laser. *Optics Communications*, **2006**, 266, 317-322	2	
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