

Yicheng Wang

List of Publications by Year in descending order

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docs citations

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times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarized spectroscopy and SESAM mode-locking of Tm,Ho:CALGO. Optics Express, 2022, 30, 7883.	1.7	21
2	Sub-100 fs SWCNT-SA mode-locked Tm,Ho:LCLNGG laser. , 2022, , .		0
3	Diode-pumped and tunable laser operation of Tm,Ho-codoped modified CNGG-type disordered crystals. , 2022, , .		0
4	Tm,Ho:Ca(Gd,Lu)AlO ₄ crystals: Crystal growth, structure refinement and Judd-Ofelt analysis. Journal of Luminescence, 2022, 246, 118828.	1.5	12
5	Disordered Tm ³⁺ ,Ho ³⁺ -codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at $\lambda \approx 2 \mu\text{m}$. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
6	SESAM-modelocked Ho:YAG thin-disk laser with 40.5 W of average power. , 2021, , .		1
7	Moving towards high-power thin-disk lasers in the 2 μm wavelength range. JPhys Photonics, 2021, 3, 022002.	2.2	9
8	Kerr-lens mode-locked Tm-doped sesquioxide ceramic laser. Optics Letters, 2021, 46, 3428.	1.7	19
9	Efficient Laser Operation of Transparent "Mixed" 7 at.% Er:(Lu,Sc) ₂ O ₃ Sesquioxide Ceramics near 2.8 μm . , 2021, , .		0
10	Diode-pumped Femtosecond Modelocked Tm,Ho:CLNGG laser at 2093 nm. , 2021, , .		0
11	40 W SESAM-modelocked Ho:YAG thin-disk laser at 2090 nm. , 2021, , .		0
12	Spectroscopy and laser operation of highly-doped 10 at.% Yb:(Lu,Sc) ₂ O ₃ ceramics. Optical Materials, 2021, 117, 111128.	1.7	9
13	Tm ³⁺ -doped calcium lithium tantalum gallium garnet (Tm:CLTGG): novel laser crystal. Optical Materials Express, 2021, 11, 2938.	1.6	3
14	Spectroscopy and efficient laser operation around 2.8 μm of Er:(Lu,Sc) ₂ O ₃ sesquioxide ceramics. Journal of Luminescence, 2021, 240, 118373.	1.5	14
15	Kerr-lens mode-locked Tm:(Lu,Sc) ₂ O ₃ ceramic laser generating sub-60-fs pulses at 2.08 μm . , 2021, , .		0
16	High-power modelocked thin-disk oscillators as potential technology for high-rate material processing. Advanced Optical Technologies, 2021, 10, 247-261.	0.9	7
17	SWCNT-SA mode-locked Tm,Ho:LCLNGG laser. Optics Express, 2021, 29, 40323.	1.7	6
18	SESAM mode-locked Tm:LuYO ₃ ceramic laser generating 54-fs pulses at 2048 nm. Applied Optics, 2020, 59, 10493.	0.9	40

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19	High-power Ho:YAG thin-disk laser and first SESAM modelocking. , 2020, , .		1
20	Growth, Spectroscopy and Laser Operation in Disordered Tm,Ho:Ca(Gd,Lu)AlO ₄ Crystals. , 2020, , .		1
21	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
22	Spectroscopy and diode-pumped laser operation of transparent Tm:Lu ₃ Al ₅ O ₁₂ ceramics produced by solid-state sintering. Optics Express, 2020, 28, 28399.	1.7	6
23	SWCNT-SA mode-locked Tm:LuYO ₃ ceramic laser delivering 8-optical-cycle pulses at 2.05 μm. Optics Letters, 2020, 45, 459.	1.7	26
24	Single-walled carbon-nanotube saturable absorber assisted Kerr-lens mode-locked Tm:MgWO ₄ laser. Optics Letters, 2020, 45, 6142.	1.7	11
25	Cryogenically cooled GaP for optical rectification at high excitation average powers. Optical Materials Express, 2020, 10, 2768.	1.6	12
26	100 W-class 2 pm Ho:YAG Thin-Disk Laser. , 2020, , .		0
27	58-fs Pulses Generation from a SWCNT-SA Mode-Locked Mixed Sesquioxide Tm:(Lu,Sc) ₂ O ₃ Ceramic Laser. , 2020, , .		0
28	Sub-60 fs SESAM Mode-Locked Tm:LuYO ₃ Ceramic Laser. , 2019, , .		0
29	76 fs SWCNT-SA Mode-Locked Tm:MgWO ₄ Laser at 2 μm. , 2019, , .		0
30	Growth, Spectroscopy and Laser Operation of Tm,Ho:CNGG: A Promising Disordered Crystal for Mode-Locked Lasers. , 2019, , .		0
31	Sub-100-fs bulk solid-state lasers near 2-micron. , 2019, , .		18
32	52-fs SESAM Mode-Locked Tm,Ho:CALGO Laser. , 2019, , .		7
33	67-fs pulse generation from a mode-locked Tm,Ho:CLNGG laser at 2083 nm. Optics Express, 2019, 27, 1922.	1.7	32
34	“Mixed Tm:Ca(Gd,Lu)AlO ₄ ” a novel crystal for tunable and mode-locked 2 μm lasers. Optics Express, 2019, 27, 9987.	1.7	33
35	Milliwatt-class broadband THz source driven by a 112 W, sub-100 fs thin-disk laser. Optics Express, 2019, 27, 30340.	1.7	48
36	Efficient nonlinear compression of a mode-locked thin-disk oscillator to 27 fs at 98 W average power. Optics Letters, 2019, 44, 4115.	1.7	33

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37	Spectroscopy and High-Power Laser Operation of Monoclinic Yb ³⁺ :MgWO ₄ crystal. , 2019, , .		0
38	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu ₃ Al ₅ O ₁₂ Transparent Ceramics. , 2019, , .		0
39	Sub-60-fs Pulse Generation from a SWCNT Mode-Locked Tm:LuYO ₃ Ceramic Laser at 2045 nm. , 2019, , .		0
40	Graphene mode-locked Tm,Ho:CLNGG laser with 70-fs pulse duration. , 2019, , .		0
41	Graphene mode-locked Tm,Ho-codoped crystalline garnet laser producing 70-fs pulses near 21â€…Åµm. OSA Continuum, 2019, 2, 2593.	1.8	1
42	Monoclinic Tm:MgWO ₄ crystal: Crystal-field analysis, tunable and vibronic laser demonstration. Journal of Alloys and Compounds, 2018, 763, 581-591.	2.8	18
43	Ho:KY(WO ₄) ₂ thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	1.7	5
44	Sub-10 optical-cycle passively mode-locked Tm:(Lu _{2/3} Sc _{1/3}) ₂ O ₃ ceramic laser at 2 Åµm. Optics Express, 2018, 26, 10299.	1.7	59
45	134â€…m VECSEL mode-locked with a GaSb-based SESAM. Optics Letters, 2018, 43, 3353.	1.7	10
46	Comparative study of the spectroscopic and laser properties of Tm ³⁺ , Na ⁺ (Li ⁺)-codoped Ca ₃ Nb ₁₅ Ga ₃₅ O ₁₂ -type disordered garnet crystals for mode-locked lasers. Optical Materials Express, 2018, 8, 2287.	1.6	21
47	Generation of 84-fs pulses from a mode-locked Tm:CNNGG disordered garnet crystal laser. Photonics Research, 2018, 6, 800.	3.4	42
48	87â€…fs mode-locked Tm,Ho:CaYAlO ₄ laser at 2043â€…nm. Optics Letters, 2018, 43, 915.	3.1	56
49	Crystal growth, spectroscopy and first laser operation of a novel disordered tetragonal Tm:Na ₂ La ₄ (WO ₄) ₇ tungstate crystal. Journal of Luminescence, 2018, 203, 676-682.	1.5	10
50	78â€…fs SWCNT-SA mode-locked Tm:CLNGG disordered garnet crystal laser at 2017â€…nm. Optics Letters, 2018, 43, 4268.	1.7	47
51	Synthesis, spectroscopic characterization and laser operation of Ho ³⁺ in â€œmixedâ€•(Lu,Sc) ₂ O ₃ ceramics. Journal of Luminescence, 2018, 203, 145-151.	1.5	19
52	Growth, Characterization and Laser Operation of Tm ³⁺ , Na ⁺ codoped CNGG (Tm:CNNGG) Disordered Garnet. , 2018, , .		1
53	Sub-80â€…fs mode-locked Tm,Ho-codoped disordered garnet crystal oscillator operating at 2081â€…nm. Optics Letters, 2018, 43, 5154.	1.7	29
54	Growth, spectroscopy and laser operation of â€œmixedâ€•Tm:Ca(Gd,Lu)AlO ₄ â€œ A novel crystal for mode-locked lasers. , 2018, , .		0

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55	84-fs Pulse Generation from a Mode-Locked Tm,Ho:CLNGG Laser at 2080 nm. , 2018, , .		0
56	2D Materials for Mode-Locking of Bulk 2 Micron Lasers: Alternatives to SESAMs. , 2018, , .		0
57	78-fs Pulses from a SWCNTs Mode-Locked Tm:CLNGG Disordered Garnet Crystal Laser. , 2018, , .		0
58	Tm:CaGdAlO ₄ : spectroscopy, microchip laser and passive Q-switching by carbon nanostructures. , 2017, , .		4
59	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μ m. , 2017, , .		0
60	Passively mode-locked femtosecond Tm:MgWO ₄ laser. , 2017, , .		0
61	Crystal growth, optical spectroscopy and laser action of Tm ³⁺ -doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	1.7	36
62	Sellmeier equations, group velocity dispersion, and thermo-optic dispersion formulas for CaLnAlO ₄ (Ln = Y, Gd) laser host crystals. Optics Letters, 2017, 42, 2275.	1.7	45
63	Thulium doped LuAG ceramics for passively mode locked lasers. Optics Express, 2017, 25, 7084.	1.7	17
64	Synthesis, spectroscopy, and efficient laser operation of α -mixed sesquioxide Tm:(Lu,Sc) ₂ O ₃ transparent ceramics. Optical Materials Express, 2017, 7, 4192.	1.6	45
65	Monoclinic Tm ³⁺ :MgWO ₄ : a promising crystal for continuous-wave and passively Q-switched lasers at λ = 2 μ m. Optics Letters, 2017, 42, 1177.	1.7	17
66	Sub-100 fs Tm:MgWO ₄ laser at 2017 nm mode locked by a graphene saturable absorber. Optics Letters, 2017, 42, 3076.	1.7	57
67	Monoclinic Tm ³⁺ :MgWO ₄ : A novel efficient laser emitting above 2 μ m. , 2017, , .		0
68	Sub-10 optical-cycle mode-locked Tm:(Lu ₂ /3Sc ₁ /3)2O ₃ mixed ceramic laser at 2057 nm. , 2017, , .		2
69	Passively Mode-Locked Tm:LuAG Ceramic Laser. , 2017, , .		1
70	Semiconductor saturable absorber Q-switching of a holmium micro-laser. Optics Express, 2017, 25, 4579.	1.7	8
71	Sub-100 fs Tm:MgWO ₄ laser at 2017 nm. , 2017, , .		0
72	Semiconductor Saturable Absorber Q-Switching of a Holmium Microchip Laser. , 2016, , .		0

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73	SESAM mode-locked Tm:CALGO laser at 2 μm . Optical Materials Express, 2016, 6, 131.	1.6	59
74	Broadly tunable mode-locked Ho:YAG ceramic laser around 21 μm . Optics Express, 2016, 24, 18003.	1.7	31
75	Close to transform-limited, few-cycle 12 μJ pulses at 400 kHz for applications in ultrafast spectroscopy. Optics Express, 2016, 24, 19293.	1.7	17
76	Growth and spectral characters of Nd:CaGdAlO ₄ crystal. EPJ Applied Physics, 2016, 74, 10501.	0.3	17
77	Sub-100 ns Tm:KLuW and Ho:KLuW Lasers Passively Q-switched with SWCNTs. , 2016, , .		0
78	Passive Q-switching of Ho:YAG ceramic lasers at 2.1 μm . , 2016, , .		0
79	In-band-pumped mode-locked Ho:YAG ceramic laser at 2.1 μm . , 2016, , .		0
80	Thermo-Optic Dispersion Formulas for YCOB and GdCOB Laser Host Crystals. , 2015, , .		0
81	Thermo-optic dispersion formulas for YCOB and GdCOB laser host crystals. Optical Materials Express, 2015, 5, 1089.	1.6	18
82	GaSb-based SESAM mode-locked Tm:YAG ceramic laser at 2 μm . Optics Express, 2015, 23, 1361.	1.7	48
83	SESAM mode-locked Tm:CALGO laser at 2 μm . , 2015, , .		0
84	Generation of Crystal-Structure Transverse Patterns via a Self-Frequency-Doubling Laser. Scientific Reports, 2013, 3, 1085.	1.6	5
85	Thermal, spectroscopic and laser characterization of monoclinic vanadate Nd:LaVO ₄ crystal. Optics Express, 2013, 21, 31119.	1.7	17
86	Spectral and lasing investigations of Yb:YSGG crystal. Optics Express, 2013, 21, 16305.	1.7	15
87	Dual-wavelength laser with topological charge. AIP Advances, 2013, 3, .	0.6	5
88	Topological insulator as an optical modulator for pulsed solid-state lasers. Laser and Photonics Reviews, 2013, 7, L77.	4.4	208
89	Thermal and laser characteristics of Nd doped La _{0.11} Y _{0.89} VO ₄ crystal. Optics Express, 2012, 20, 16524.	1.7	24
90	Growth and characterization of Nd:Bi ₁₂ SiO ₂₀ single crystal. Optics Communications, 2012, 285, 3961-3966.	1.0	8