

Valentin Petrov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Polarized spectroscopy and diode-pumped laser operation of disordered Yb:Ca ₃ Gd ₂ (BO ₃) ₄ crystal. Optical Materials Express, 2022, 12, 673.	1.6	5
2	Thermo-optic dispersion properties of CdSe for parametric nonlinear interactions. Optical Materials Express, 2022, 12, 963.	1.6	8
3	Second-order nonlinear optical coefficients of the monoclinic crystal BaGa ₄ Se ₇ . Optics Letters, 2022, 47, 842.	1.7	3
4	Polarized spectroscopy and SESAM mode-locking of Tm,Ho:CALGO. Optics Express, 2022, 30, 7883.	1.7	21
5	Sub-100 fs SWCNT-SA mode-locked Tm,Ho:LCLNGG laser. , 2022, , .		0
6	Soliton mode-locked Yb:Ca ₃ Gd ₂ (BO ₃) ₄ laser. Optics Express, 2022, 30, 11833.	1.7	2
7	Diode-pumped and tunable laser operation of Tm,Ho-codoped modified CNGG-type disordered crystals. , 2022, , .		0
8	Efficient generation of few-cycle pulses beyond 10 ¹⁴ W from an optical parametric amplifier pumped by a 1- μ m laser system. Scientific Reports, 2022, 12, 5082.	1.6	14
9	Transmission and absorption measurements of GaAsP layers grown from the vapor phase. , 2022, , .		1
10	High-energy, narrowband, non-resonant PPKTP optical parametric oscillator. , 2022, , .		1
11	Refined Sellmeier equations of CdGa ₂ S ₄ for prediction of phase-matching in mixed Hg _{1-x} CdxGa ₂ S ₄ nonlinear crystals. , 2022, , .		1
12	SESAM mode-locked Yb:Sr ₃ Y ₂ (BO ₃) ₄ laser. Optics Express, 2022, 30, 11861.	1.7	8
13	Diode-pumped SESAM mode-locked Yb:(Y,Gd)AlO ₃ laser. Optics Express, 2022, 30, 11825.	1.7	5
14	Disordered Yb:GdYCOB crystal: polarized spectroscopy, thermal lensing and diode-pumped lasers. , 2022, , .		0
15	Dual-dispersion-regime dual-comb mode-locked laser. Optics Letters, 2022, 47, 1762.	1.7	1
16	Continuous-wave and passively mode-locked operation of Yb:Ca ₃ Gd ₂ (BO ₃) ₄ laser. , 2022, , .		0
17	Crystal growth and characterization of a new quaternary hexagonal nonlinear crystal for the mid-IR: Ba ₂ Ga ₈ GeS ₁₆ . Journal of Alloys and Compounds, 2022, 907, 164378.	2.8	7
18	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

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19	Growth, structure, and polarized spectroscopy of monoclinic Er ³⁺ :MgWO ₄ crystal. Optical Materials Express, 2022, 12, 2028.	1.6	3
20	Diode-pumped mode-locked Yb:BaF ₂ laser. Optics Express, 2022, 30, 15807.	1.7	9
21	Kerr-lens mode-locked ytterbium-activated orthoaluminate laser. Optics Letters, 2022, 47, 3027.	1.7	4
22	Watt-level femtosecond Tm-doped α -sesquioxide ceramic laser in-band pumped by a Raman fiber laser at 1627 nm. Optics Express, 2022, 30, 23978.	1.7	14
23	Hexagonal Ba ₂ Ga ₈ Ge ₁₆ for nonlinear optics in the mid-IR. , 2022, , .		1
24	Disordered Tm ³⁺ ,Ho ³⁺ -codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at $\lambda = 1.4 \mu\text{m}$. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
25	Growth, spectroscopy and laser operation of monoclinic Nd:CsGd(MoO ₄) ₂ crystal with a layered structure. Journal of Luminescence, 2021, 231, 117793.	1.5	8
26	Seven-octave high-brightness and carrier-envelope-phase-stable light source. Nature Photonics, 2021, 15, 277-280.	15.6	57
27	Comparative study of Yb:Lu ₃ Al ₅ O ₁₂ and Yb:Lu ₂ O ₃ laser ceramics produced from laser-ablated nanopowders. Ceramics International, 2021, 47, 6633-6642.	2.3	9
28	Monoclinic zinc monotonungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part II. Polarized spectroscopy and laser operation. Journal of Luminescence, 2021, 231, 117811.	1.5	5
29	Highly efficient 2.3 μm thulium lasers based on a high-phonon-energy crystal: evidence of vibronic-assisted emissions. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 482.	0.9	23
30	Seven-Octave High-Brightness and Carrier Envelope Phase-Stable Light Source. , 2021, , .		1
31	Structured laser beams: toward 2- μm femtosecond laser vortices. Photonics Research, 2021, 9, 357.	3.4	24
32	Mid-IR difference-frequency generation in OP-GaAs inside the cavity of a narrow-band nanosecond PPLN optical parametric oscillator. , 2021, , .		0
33	Accurate Sellmeier equations for AgGaS ₂ in the 0.565-10.6321 μm spectral range. , 2021, , .		1
34	Few-cycle, μJ -level pulses beyond 5 μm from 1- μm -pumped OPA's based on non-oxide nonlinear crystals. , 2021, , .		3
35	Diode-pumped sub-50-fs Kerr-lens mode-locked Yb:GdYCOB laser. Optics Express, 2021, 29, 13496.	1.7	9
36	Sub-50 μm pulse generation from a SESAM mode-locked Tm,Ho-codoped calcium aluminate laser. Optics Letters, 2021, 46, 2642.	1.7	21

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37	Kerr-lens mode-locked Tm-doped sesquioxide ceramic laser. <i>Optics Letters</i> , 2021, 46, 3428.	1.7	19
38	Sub-50-fs SESAM mode-locked Tm,Ho:Ca(Gd,Lu)AlO ₄ laser. , 2021, , .		0
39	Dual-Comb Femtosecond Solid-State Laser with Inherent Polarization-Multiplexing. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000441.	4.4	17
40	Efficient Laser Operation of Transparent "Mixed" 7 at.% Er:(Lu,Sc) ₂ O ₃ Sesquioxide Ceramics near 2.8 μm . , 2021, , .		0
41	Refined Sellmeier equations for BaGa ₄ S ₇ . <i>Applied Optics</i> , 2021, 60, 6600.	0.9	2
42	Spectroscopy and laser operation of highly-doped 10 at.% Yb:(Lu,Sc) ₂ O ₃ ceramics. <i>Optical Materials</i> , 2021, 117, 111128.	1.7	9
43	Barium nonlinear optical crystals for the mid-IR: characterization and some applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, B46.	0.9	41
44	Tm ³⁺ -doped calcium lithium tantalum gallium garnet (Tm:CLTGG): novel laser crystal. <i>Optical Materials Express</i> , 2021, 11, 2938.	1.6	3
45	Tm:YAG single-crystal fiber laser. <i>Optics Letters</i> , 2021, 46, 4454.	1.7	14
46	Sub-100 fs mode-locked Tm:CLTGG laser. <i>Optics Express</i> , 2021, 29, 31137.	1.7	9
47	Spectroscopy and efficient laser operation around 2.8 μm of Er:(Lu,Sc) ₂ O ₃ sesquioxide ceramics. <i>Journal of Luminescence</i> , 2021, 240, 118373.	1.5	14
48	Refined Sellmeier equations for AgGaSe ₂ up to 18 μm . <i>Applied Optics</i> , 2021, 60, 805.	0.9	3
49	Nanosecond optical parametric oscillator with midinfrared intracavity difference-frequency mixing in orientation-patterned GaAs. <i>Optics Letters</i> , 2021, 46, 332.	1.7	5
50	Thermal Properties of the Trigonal Quaternary Nonlinear Crystals BaGa ₂ GeS ₆ and BaGa ₂ GeSe ₆ . , 2021, , .		2
51	High-Power, Narrow-Band PPLN Non-Resonant Optical Parametric Oscillator. , 2021, , .		0
52	Kerr-lens mode-locked Tm:(Lu,Sc) ₂ O ₃ ceramic laser generating sub-60-fs pulses at 2.08 μm . , 2021, , .		0
53	Tm ³⁺ and Ho ³⁺ colasing in in-band pumped waveguides fabricated by femtosecond laser writing. <i>Optics Letters</i> , 2021, 46, 122.	1.7	7
54	SESAM Mode-Locked Yb:Ca ₃ Gd ₂ (BO ₃) ₄ Femtosecond Laser. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9464.	1.3	4

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55	SWCNT-SA mode-locked Tm,Ho:LCLNGG laser. Optics Express, 2021, 29, 40323.	1.7	6
56	Kerr-lens mode-locked Yb:SrLaAlO ₄ laser. Optics Express, 2021, 29, 42837.	1.7	11
57	Single-walled carbon nanotube saturable-absorber mode-locked Tm:CLTGG laser. , 2021, , .		0
58	Polarized Spectroscopy and Eye-Safe Laser Operation of Monoclinic Er ³⁺ :MgWO ₄ Crystal. , 2021, , .		0
59	Seven-octave Ultra-bright Pulse Generation. , 2021, , .		1
60	Kerr-Lens Mode-Locked Yb:SrLaAlO ₄ Laser. , 2021, , .		0
61	Temperature-Tuned Parametric Oscillation in CdSe. , 2021, , .		0
62	340 - 40,000 nm coherent light source. , 2021, , .		0
63	SESAM mode-locked Yb:SrLaAlO ₄ laser. Optics Express, 2021, 29, 43820.	1.7	4
64	Fluorite-type Tm ³⁺ :KY ₃ F ₁₀ : A promising crystal for watt-level lasers at $\lambda = 1.9 \mu\text{m}$. Journal of Alloys and Compounds, 2020, 813, 152176.	2.8	23
65	Ultrafast Laser Inscription and $\lambda = 1.9 \mu\text{m}$ Laser Operation of Y-Branch Splitters in Monoclinic Crystals. Journal of Lightwave Technology, 2020, 38, 4374-4384.	2.7	7
66	Monoclinic zinc monotonungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part I. Czochralski growth, structure refinement and Raman spectra. Journal of Luminescence, 2020, 228, 117601.	1.5	9
67	Watt-level ultrafast laser inscribed thulium waveguide lasers. Progress in Quantum Electronics, 2020, 72, 100266.	3.5	14
68	35 W continuous-wave Ho:YAG single-crystal fiber laser. High Power Laser Science and Engineering, 2020, 8, .	2.0	16
69	Efficient laser operation of Yb:Lu ₃ Al ₅ O ₁₂ transparent ceramics fabricated from laser ablated nanopowders. , 2020, , .		2
70	Progress in ultrafast, mid-infrared optical parametric chirped pulse amplifiers pumped at 1 μm . , 2020, , .		3
71	Determination of Sellmeier's equations and nonlinear coefficients of the BGSe crystal, and calculation of infrared emission from phase-matched optical parametric generation (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock		1
72	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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73	Tunable Narrow-Band PPLN Non-Resonant Optical Parametric Oscillator. , 2020, , .		1
74	Growth, Spectroscopy and Laser Operation in Disordered Tm,Ho:Ca(Gd,Lu)AlO ₄ Crystals. , 2020, , .		1
75	Self-frequency-doubling Yb:CNGS lasers operating in the femtosecond regime. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2822.	0.9	8
76	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
77	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
78	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
79	High-energy 2 μm pulsed vortex beam excitation from a Q-switched Tm:LuYAG laser. Optics Letters, 2020, 45, 722.	1.7	14
80	Upconversion pumping of a 2.3 μm Tm ³⁺ :KY ₃ F ₁₀ laser with a 1064 nm ytterbium fiber laser. Optics Letters, 2020, 45, 931.	1.7	21
81	Graphene mode-locked operation of Tm ³⁺ :YLiF ₄ and Tm ³⁺ :KY ₃ F ₁₀ lasers near 2.3 μm . Optics Letters, 2020, 45, 656.	1.7	17
82	Effective nonlinearity of the new quaternary chalcogenide crystal BaGa ₂ GeSe ₆ . Optics Letters, 2020, 45, 2136.	1.7	14
83	Spectroscopy and high-power laser operation of a monoclinic Yb ³⁺ :MgWO ₄ crystal. Optics Letters, 2020, 45, 1770.	1.7	10
84	Low-loss fs-laser-written surface waveguide lasers at >2 μm in monoclinic Tm ³⁺ :MgWO ₄ . Optics Letters, 2020, 45, 4060.	1.7	4
85	Few-cycle mid-infrared pulses from BaGa ₂ GeSe ₆ . Optics Letters, 2020, 45, 3813.	1.7	20
86	Efficient, sub-4-cycle, 1- μm -pumped optical parametric amplifier at 10 μm based on BaGa ₄ S ₇ . Optics Letters, 2020, 45, 5692.	1.7	23
87	Single-walled carbon-nanotube saturable absorber assisted Kerr-lens mode-locked Tm:MgWO ₄ laser. Optics Letters, 2020, 45, 6142.	1.7	11
88	Generation of a Femtosecond Optical Vortex at $\sim 2 \mu\text{m}$. , 2020, , .		0
89	Growth, spectroscopy and laser operation of Yb ³⁺ ,Na ⁺ /Li ⁺ -codoped CNGG-type garnets promising for ultrafast lasers. , 2020, , .		0
90	Efficient laser operation in cleaved single-crystal plates of Yb:KY(MoO ₄) ₂ : A novel molybdate compound. , 2020, , .		0

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91	Dual-comb Generation from a Simple Single-cavity Mode-locked Bulk Laser. , 2020, , .		0
92	58-fs Pulses Generation from a SWCNT-SA Mode-Locked Mixed Sesquioxide Tm:(Lu,Sc)2O3 Ceramic Laser. , 2020, , .		0
93	Barium Nonlinear Optical Crystals for the Mid-IR: Characterization and Applications. , 2020, , .		0
94	Watt-Level Thulium Laser Operating on the 3H4 \rightarrow 3 H5 Transition with \sim 70% Slope Efficiency. , 2020, , .		0
95	Intracavity Mid-IR Difference-Frequency Generation in OP-GaAs inside a Nanosecond Optical Parametric Oscillator. , 2020, , .		0
96	Ultrafast Laser Inscribed Waveguide Lasers in Tm ³⁺ :SrF ₂ . , 2020, , .		0
97	Tunable Continuous-Wave 2.3- μ m Tm ³⁺ :KY3F10 Laser Upconversion Pumped with an Ytterbium Fiber Laser. , 2020, , .		0
98	Effective Nonlinearity of Trigonal Crystals of Symmetry Class 3 on the Example of the Non-Oxide BaGa ₂ GeS ₆ . , 2020, , .		0
99	Effective Nonlinearity of BaGa ₂ GeSe ₆ : A Promising Quaternary Chalcogenide Crystal for the Mid-IR. , 2020, , .		0
100	Growth, spectroscopy and diode-pumped laser operation of acentric Yb:KGd(PO ₃) ₄ crystal. EPJ Web of Conferences, 2020, 243, 12002.	0.1	0
101	Multi-watt continuous-wave and passively Q-switched Tm:CaYAlO ₄ micro-lasers. , 2020, , .		0
102	73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm. , 2020, , .		3
103	Laser operation of cleaved single-crystal plates and films of Tm:KY(MoO ₄) ₂ . Optics Express, 2020, 28, 9039.	1.7	6
104	Phase-matching properties of LiIn(SxSe1-x) for THG of a CO ₂ laser at 10.5910 μ m. , 2020, , .		0
105	Spectroscopy and efficient laser operation of cleaving Yb:KY(MoO ₄) ₂ crystal. Optical Materials Express, 2020, 10, 2356.	1.6	5
106	Near-Infrared Femtosecond Direct Laser Written Waveguide Lasers [Invited]. , 2020, , .		0
107	Laser Operation of Yb ³⁺ -doped Lu-based Oxide Ceramics: A Comparative Study. , 2020, , .		0
108	Crystal Growth and Characterization of a New Quaternary Chalcogenide Nonlinear Crystal for the Mid-Infrared: PbGa ₂ GeSe ₆ . Crystal Growth and Design, 2019, 19, 4224-4228.	1.4	8

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109	Sub-60 fs SESAM Mode-Locked Tm:LuYO ₃ Ceramic Laser. , 2019, , .		0
110	Propagation and orbital angular momentum of vortex beams generated from a spiral phase plate-fiber. Laser Physics Letters, 2019, 16, 035106.	0.6	2
111	Ultrafast Laser Inscription and Laser Operation of Y-Branch Splitters in Monoclinic Thulium-Doped Crystals. , 2019, , .		0
112	Growth, spectroscopy and first laser operation of monoclinic Ho ³⁺ :MgWO ₄ crystal. Journal of Luminescence, 2019, 213, 316-325.	1.5	18
113	Progress in Passively Mode-Locked 2-Micron Tm and Ho Bulk Solid-State Lasers. , 2019, , .		0
114	Spectroscopy, Continuous-Wave and Passively Q-Switched Laser Operation of Transparent Tm:LuAG Ceramics. , 2019, , .		0
115	Femtosecond-Laser-Written Waveguide Lasers at $\lambda = 1.42 \mu\text{m}$. , 2019, , .		0
116	76 fs SWCNT-SA Mode-Locked Tm:MgWO ₄ Laser at $2 \mu\text{m}$. , 2019, , .		0
117	Growth, Spectroscopy and Laser Operation of Tm,Ho:CNGG: A Promising Disordered Crystal for Mode-Locked Lasers. , 2019, , .		0
118	Laser-induced damage of nonlinear crystals in ultrafast, high-repetition-rate, mid-infrared optical parametric amplifiers pumped at $1 \mu\text{m}$. , 2019, , .		5
119	Sub-100-fs bulk solid-state lasers near 2-micron. , 2019, , .		18
120	Thermo-optic dispersion formula for BaGa ₂ GeSe ₆ . Applied Optics, 2019, 58, 9709.	0.9	8
121	52-fs SESAM Mode-Locked Tm,Ho:CALGO Laser. , 2019, , .		7
122	Graphene and SESAM mode-locked Yb:CNGS lasers with self-frequency doubling properties. Optics Express, 2019, 27, 590.	1.7	13
123	Comparative study of Yb:KYW planar waveguide lasers Q-switched by direct- and evanescent-field interaction with carbon nanotubes. Optics Express, 2019, 27, 1488.	1.7	14
124	67-fs pulse generation from a mode-locked Tm,Ho:CLNGG laser at 2083 nm. Optics Express, 2019, 27, 1922.	1.7	32
125	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . Optics Express, 2019, 27, 8745.	1.7	20
126	"Mixed Tm:Ca(Gd,Lu)AlO ₄ " a novel crystal for tunable and mode-locked $2 \mu\text{m}$ lasers. Optics Express, 2019, 27, 9987.	1.7	33

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127	Broadband vibrational sum-frequency generation spectrometer at 100 kHz in the 950-1750 cm ⁻¹ spectral range utilizing a LiGaS ₂ optical parametric amplifier. Optics Express, 2019, 27, 15289.	1.7	29
128	Diamond saw dicing of thulium channel waveguide lasers in monoclinic crystalline films. Optics Letters, 2019, 44, 1596.	1.7	9
129	Femtosecond-laser-written Ho:KGd(WO ₄) ₂ waveguide laser at 21 μm. Optics Letters, 2019, 44, 1738.	1.7	17
130	Continuous-wave mid-infrared laser operation of Tm ³⁺ :KY ₃ F ₁₀ at 23 μm. Optics Letters, 2019, 44, 3242.	1.7	35
131	27 μm optical vortex beam directly generated from an Er:Y ₂ O ₃ ceramic laser. Optics Letters, 2019, 44, 4973.	1.7	14
132	Narrow-band periodically poled lithium niobate nonresonant optical parametric oscillator. Optics Letters, 2019, 44, 5659.	1.7	12
133	Spectroscopy and High-Power Laser Operation of Monoclinic Yb ³⁺ :MgWO ₄ crystal. , 2019, , .		0
134	Continuous-Wave and Graphene Mode-Locked Operation of a Tm ³⁺ :KY ₃ F ₁₀ Laser at 2.3 μm. , 2019, , .		0
135	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu ₃ Al ₅ O ₁₂ Transparent Ceramics. , 2019, , .		0
136	Watt-Level fs-Laser-Written Thulium Waveguide Lasers. , 2019, , .		0
137	Ultrafast Laser Inscribed Waveguide Lasers in Tm:CALGO. , 2019, , .		0
138	Frequency Down-Conversion of 1 μm Laser Radiation to the Mid-IR using Non-Oxide Nonlinear Crystals in Cascaded Intracavity Configurations. , 2019, , .		0
139	Sub-60-fs Pulse Generation from a SWCNT Mode-Locked Tm:LuYO ₃ Ceramic Laser at 2045 nm. , 2019, , .		0
140	Growth and Characterization of PbGa ₂ GeS ₆ : A New Quaternary Chalcogenide Nonlinear Crystal for the Mid-IR. , 2019, , .		0
141	Graphene mode-locked Tm,Ho:CLNGG laser with 70-fs pulse duration. , 2019, , .		0
142	Thermo-optic dispersion formula for LiGaS ₂ . Applied Optics, 2019, 58, 1519.	0.9	6
143	Laser operation of Nd ³⁺ -doped silicates (Gd,Y)2SiO ₅ , (Lu,Y)2SiO ₅ and Lu ₂ SiO ₅ at ~1.36 μm. , 2019, , .		0
144	Graphene mode-locked Tm,Ho-codoped crystalline garnet laser producing 70-fs pulses near 21 μm. OSA Continuum, 2019, 2, 2593.	1.8	1

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145	Highly Efficient, Compact Tm ³⁺ :RE ₂ O ₃ (RE = Y, Lu, Sc) Sesquioxide Lasers Based on Thermal Guiding. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-13.	1.9	40
146	Crystal growth, low-temperature spectroscopy and multi-watt laser operation of Yb:Ca ₃ NbGa ₃ Si ₂ O ₁₄ . Journal of Luminescence, 2018, 197, 90-97.	1.5	9
147	Oriented zinc oxide nanorods: A novel saturable absorber for lasers in the near-infrared. Beilstein Journal of Nanotechnology, 2018, 9, 2730-2740.	1.5	8
148	Passive Q switching of Yb:CNGS lasers by Cr ⁴⁺ :YAG and V ³⁺ :YAG saturable absorbers. Applied Optics, 2018, 57, 8236.	0.9	2
149	Phase-matching properties of BaGa ₂ GeSe ₆ for three-wave interactions in the 0.778–1.059 μm spectral range. Applied Optics, 2018, 57, 7440.	0.9	22
150	Crystal growth and properties of the disordered crystal Yb:SrLaAlO ₄ : a promising candidate for high-power ultrashort pulse lasers. CrystEngComm, 2018, 20, 3388-3395.	1.3	19
151	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
152	Efficient diode-pumped Er:KLu(WO ₄) ₂ laser at 1.61 μm. Optics Letters, 2018, 43, 218.	1.7	6
153	Tm:KY _{1-x} Gd _x Lu ₂ (WO ₄) ₂ planar waveguide laser passively Q-switched by single-walled carbon nanotubes. Optics Express, 2018, 26, 4961.	1.7	14
154	Ho:KY(WO ₄) ₂ thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	1.7	5
155	Sub-10 optical-cycle passively mode-locked Tm:(Lu _{2/3} Sc _{1/3}) ₂ O ₃ ceramic laser at 2 μm. Optics Express, 2018, 26, 10299.	1.7	59
156	Growth, spectroscopy, and laser operation of mixed vanadate crystals Yb:Lu _{1-x} Y _x LaVO ₄ . Optical Materials Express, 2018, 8, 493.	1.6	8
157	Optical parametric oscillator pumped at ~1 μm with intracavity mid-IR difference-frequency generation in OPGaAs. Optical Materials Express, 2018, 8, 549.	1.6	11
158	Thermo-optic effects in Ho:KY(WO ₄) ₂ thin-disk lasers. Optical Materials Express, 2018, 8, 684.	1.6	7
159	Sb ₂ Te ₃ thin film for the passive Q-switching of a Tm:GdVO ₄ laser. Optical Materials Express, 2018, 8, 1723.	1.6	24
160	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
161	Generation of 84-fs pulses from a mode-locked Tm:CNNGG disordered garnet crystal laser. Photonics Research, 2018, 6, 800.	3.4	42
162	87-fs mode-locked Tm, Ho:CaYAlO ₄ laser at 2.043 μm. Optics Letters, 2018, 43, 915.	3.9	56

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163	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at $\sim 2 \mu\text{m}$ in Monoclinic Tm:MgWO ₄ . , 2018, , .		0
164	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
165	Thermo-optic dispersion formula for BaGa ₄ Se ₇ . Applied Optics, 2018, 57, 2935.	0.9	16
166	PPLN OPO with Intracavity DFG in OPGaAs. , 2018, , .		0
167	Inkjet-printing of graphene saturable absorbers for $\sim 2 \mu\text{m}$ bulk and waveguide lasers. Optical Materials Express, 2018, 8, 2803.	1.6	7
168	78-fs SWCNT-SA mode-locked Tm:CLNGG disordered garnet crystal laser at 2017 nm. Optics Letters, 2018, 43, 4268.	1.7	47
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170	Femtosecond Yb-fiber laser synchronously pumped HgGa ₂ S ₄ optical parametric oscillator tunable in the 4.4- to 12- μm range. Optical Engineering, 2018, 57, 1.	0.5	4
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