Valentin Petrov

List of Publications by Year
in descending order

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791 papers	14,220 citations	26630 56 h-index	56724 83 g-index

793 all docs	793 docs citations	793 times ranked	4396 citing authors

#	Article	IF	Citations
1	Frequency down-conversion of solid-state laser sources to the mid-infrared spectral range using non-oxide nonlinear crystals. Progress in Quantum Electronics, 2015, 42, 1-106.	7.0	373
2	Growth and properties of KLu(WO4)2, and novel ytterbium and thulium lasers based on this monoclinic crystalline host. Laser and Photonics Reviews, 2007, 1, 179-212.	8.7	229
3	Self-focusing of light pulses in the presence of normal group-velocity dispersion. Optics Letters, 1992, 17, 172.	3.3	177
4	Second harmonic generation and optical parametric amplification in the mid-IR with orthorhombic biaxial crystals LiGaS 2 and LiGaSe 2. Applied Physics B: Lasers and Optics, 2004, 78, 543-546.	2.2	170
5	Passive mode-locking of a Tm-doped bulk laser near 2 Î¼m using a carbon nanotube saturable absorber. Optics Express, 2009, 17, 11007.	3.4	163
6	Passive mode locking of Yb:KLuW using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 729.	3.3	162
7	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Modeâ€Locking of Bulk Lasers. Advanced Functional Materials, 2010, 20, 1937-1943.	14.9	140
8	Passively mode-locked Yb:Lu2O3 laser. Optics Express, 2004, 12, 3125.	3.4	136
9	Solid-state laser system for the generation of midinfrared femtosecond pulses tunable from 33 to 10 Î¼m. Optics Letters, 1994, 19, 2009.	3.3	123
10	Ternary chalcogenides LiBC2 (B=In,Ga; C=S,Se,Te) for mid-IR nonlinear optics. Journal of Non-Crystalline Solids, 2006, 352, 2439-2443.	3.1	121
11	Parametric down-conversion devices: The coverage of the mid-infrared spectral range by solid-state laser sources. Optical Materials, 2012, 34, 536-554.	3.6	118
12	Yb-doped KY(WO4)2 planar waveguide laser. Optics Letters, 2006, 31, 53.	3.3	117
13	Diode-pumped mode-locked Yb:YCOB laser generating 35 fs pulses. Optics Letters, 2011, 36, 4425.	3.3	111
14	Double Tungstate Lasers: From Bulk Toward On-Chip Integrated Waveguide Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 661-671.	2.9	107
15	Spectroscopy and Lasing of Yb-Doped <formula formulatype="inline"> <tex>${hbox {NaY}}{({hbox {WO}}_{4})}_{2}$</tex> </formula>: Tunable and Femtosecond Mode-Locked Laser Operation. IEEE Journal of Quantum Electronics, 2007, 43, 758-764.	1.9	105
16	Phaseâ€matching properties of BaGa₄S₇ and BaGa₄Se₇: Wideâ€bandgap nonlinear crystals for the midâ€infrared. Physica Status Solidi - Rapid Research Letters, 2011, 5, 31-33.	2.4	104
17	LiInSe[sub 2]: A biaxial ternary chalcogenide crystal for nonlinear optical applications in the midinfrared. Journal of Applied Physics, 2002, 91, 9475.	2.5	103
18	Optical, vibrational, thermal, electrical, damage, and phase-matching properties of lithium thioindate. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1981.	2.1	103

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19	Femtosecond nonlinear frequency conversion based on BiB₃O₆. Laser and Photonics Reviews, 2010, 4, 53-98.	8.7	99
20	Passively mode-locked Yb:KYWlaser pumped by a tapered diode laser. Optics Express, 2002, 10, 108.	3.4	97
21	Efficient 2-mum Continuous-Wave Laser Oscillation of Tm$^3 + $:KLu(WO$_4$)$_2$. IEEE Journal of Quantum Electronics, 2006, 42, 1008-1015.	1.9	97
22	Fabrication and characterization of ultrafast carbon nanotube saturable absorbers for solid-state laser mode locking near 1Î¼m. Applied Physics Letters, 2008, 93, .	3.3	97
23	Difference-frequency generation of intense femtosecond pulses in the mid-IR (4â€“12 Î¼m) using HgGa2S4 and AgGaS2. Optics Communications, 2000, 185, 177-183.	2.1	94
24	Mode-locked self-starting Cr:forsterite laser using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 2449.	3.3	90
25	Femtosecond parametric generation in ZnGeP_2. Optics Letters, 1999, 24, 414.	3.3	88
26	Tunable laser operation of ytterbium in disordered single crystals of Yb:NaGd(WO4)2. Optics Express, 2004, 12, 5362.	3.4	87
27	Femtosecond self mode locking of Yb:fluoride phosphate glass laser. Optics Letters, 1997, 22, 408.	3.3	86
28	LiGaTe2:â€‰ A New Highly Nonlinear Chalcopyrite Optical Crystal for the Mid-IR. Crystal Growth and Design, 2005, 5, 1325-1329.	3.0	86
29	Optical, thermal, electrical, damage, and phase-matching properties of lithium selenoindate. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1902.	2.1	84
30	Passively mode-locked Yb:KLu(WO4)2 oscillators. Optics Express, 2005, 13, 3465.	3.4	81
31	175 fs Tm:Lu_2O_3 laser at 207 Âµm mode-locked using single-walled carbon nanotubes. Optics Express, 2012, 20, 5313.	3.4	80
32	Compact passively Q-switched diode-pumped Tm:LiLuF_4 laser with 126ÂmJ output energy. Optics Letters, 2012, 37, 2544.	3.3	79
33	Diode-pumped microchip Tm:KLu(WO_4)_2 laser with more than 3â€‰â€‰W of output power. Optics Letters, 2014, 39, 4247.	3.3	79
34	Phase-matching properties and optical parametric amplification in single crystals of AgGaGeS4. Optical Materials, 2004, 26, 217-222.	3.6	77
35	Application of the nonlinear crystal SrB_4O_7 for ultrafast diagnostics converting to wavelengths as short as 125 nm. Optics Letters, 2004, 29, 373.	3.3	77
36	Highly efficient mode-locked Yb:Sc_2O_3 laser. Optics Letters, 2004, 29, 391.	3.3	77

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37	Efficient continuous-wave and Q-switched operation of a diode-pumped Yb:KLu(WO_4)_2 laser with self-Raman conversion. Optics Letters, 2005, 30, 2427.	3.3	73
38	Efficient tunable laser operation of Tm:KGd(WO/sub 4/)/sub 2/ in the continuous-wave regime at room temperature. IEEE Journal of Quantum Electronics, 2004, 40, 1244-1251.	1.9	71
39	Widely tunable in the mid-IR BaGa_4Se_7 optical parametric oscillator pumped at 1064â€‰â€‰nm. Optics Letters, 2016, 41, 3667.	3.3	70
40	Experimental and theoretical study of third-order harmonic generation in carbon nanotubes. Applied Physics Letters, 2002, 81, 4064-4066.	3.3	69
41	Noncritical singly resonant optical parametric oscillator operation near 62 Î¼m based on a CdSiP_2 crystal pumped at 1064 nm. Optics Letters, 2009, 34, 2399.	3.3	68
42	Laser operation of the new stoichiometric crystal KYb(WO 4) 2. Applied Physics B: Lasers and Optics, 2002, 74, 185-189.	2.2	67
43	Time-resolved core level photoemission: surface photovoltage dynamics of the SiO2/Si(100) interface. Surface Science, 2003, 543, 87-94.	1.9	65
44	Generation of tunable femtosecond pulses to as low as 1727 nm by sum-frequency mixing in lithium triborate. Optics Letters, 1994, 19, 1538.	3.3	64
45	Broadly tunable laser operation near 2Î¼m in a locally disordered crystal of Tm^3+-doped NaGd(WO_4)_2. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2494.	2.1	64
46	Crystal growth and characterization of new quaternary chalcogenide nonlinear crystals for the mid-IR: BaGa_2GeS_6 and BaGa_2GeSe_6. Optical Materials Express, 2016, 6, 2933.	3.0	64
47	Sub-100 fs single-walled carbon nanotube saturable absorber mode-locked Yb-laser operation near 1 Âµm. Optics Express, 2009, 17, 20109.	3.4	63
48	Wavelength-Versatile Graphene-Gold Film Saturable Absorber Mirror for Ultra-Broadband Mode-Locking of Bulk Lasers. Scientific Reports, 2014, 4, 5016.	3.3	62
49	Vacuum ultraviolet application of Li2B4O7 crystals: Generation of 100 fs pulses down to 170 nm. Journal of Applied Physics, 1998, 84, 5887-5892.	2.5	61
50	Passively Q-switched Tm:YLF laser. Optics Letters, 2012, 37, 1517.	3.3	61
51	Continuous-wave laser operation of Yb:LuVO_4. Optics Letters, 2005, 30, 3162.	3.3	59
52	Tm:KLu(WO_4)_2 microchip laser Q-switched by a graphene-based saturable absorber. Optics Express, 2015, 23, 14108.	3.4	59
53	SESAM mode-locked Tm:CALGO laser at 2 Âµm. Optical Materials Express, 2016, 6, 131.	3.0	59
54	Sub-10 optical-cycle passively mode-locked Tm:(Lu_{2/3}Sc_{1/3})₂O₃ ceramic laser at 2 Âµm. Optics Express, 2018, 26, 10299.	3.4	59

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55	Characteristics of a continuous-wave Yb:GdVO4 laser end pumped by a high-power diode. Optics Letters, 2006, 31, 2580.	3.3	58
56	Sub-100â€‰â€‰fs Tm:MgWO_4 laser at 2017â€‰â€‰nm mode locked by a graphene saturable absorber. Optics Letters, 2017, 42, 3076.	3.3	57
57	Seven-octave high-brightness and carrier-envelope-phase-stable light source. Nature Photonics, 2021, 15, 277-280.	31.4	57
58	Microchip Yb:CaLnAlO_4 lasers with up to 91% slope efficiency. Optics Letters, 2017, 42, 2431.	3.3	57
59	87â€‰â€‰fs mode-locked Tm,Ho:CaYAlO₄ laser at â¼2043â€‰â€‰nm. Optics Letters, 2018, 43, 915.	3.3	56
60	Diode-pumped mode-locked Yb:LuScO_3 single crystal laser with 74 fs pulse duration. Optics Letters, 2010, 35, 511.	3.3	55
61	Singly-resonant optical parametric oscillation based on the wide band-gap mid-IR nonlinear optical crystal LiGaS2. Optical Materials, 2013, 35, 1612-1615.	3.6	55
62	Thermal-Lens-Driven Effects in $N_{mathrm {g}}$ -Cut Yb-and Tm-Doped Monoclinic KLu(WO4)2 Crystals. IEEE Journal of Quantum Electronics, 2014, 50, 1-8.	1.9	55
63	Tunable femtosecond optical parametric amplifier in the mid-infrared with narrow-band seeding. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 2214.	2.1	54
64	Single-walled carbon nanotube saturable absorber assisted high-power mode-locking of a Ti:sapphire laser. Optics Express, 2011, 19, 7833.	3.4	54
65	Sub-100-fs Cr:YAG laser mode-locked by monolayer graphene saturable absorber. Optics Letters, 2013, 38, 1745.	3.3	54
66	Mercury thiogallate mid-infrared femtosecond optical parametric generator pumped at 125 Âµm by a Cr:forsterite regenerative amplifier. Optics Letters, 2000, 25, 746.	3.3	53
67	Crystal growth, spectroscopic studies and laser operation of Yb3+-doped potassium lutetium tungstate. Optical Materials, 2006, 28, 519-523.	3.6	53
68	Growth, spectroscopy, and tunable laser operation of the disordered crystal LiGd(MoO_4)_2 doped with ytterbium. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1083.	2.1	51
69	High repetition rate traveling wave optical parametric generator producing nearly bandwidth limited 50 fs infrared light pulses. Applied Physics Letters, 1994, 65, 268-270.	3.3	50
70	Optical parametric generation of femtosecond pulses up to 9 Î¼m with LiInS2 pumped at 800 nm. Applied Physics Letters, 2001, 78, 2623-2625.	3.3	50
71	Tm:KY(WO_4)_2 waveguide laser. Optics Express, 2007, 15, 5885.	3.4	50
72	Nonlinear, dispersive, and phase-matching properties of the new chalcopyrite CdSiP_2 [Invited]. Optical Materials Express, 2011, 1, 1292.	3.0	50

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73	Growth and continuous-wave laser operation of disordered crystals of Yb3+:NaLa(WO4)2and Yb3+:NaLa(MoO4)2. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, R29-R31.	1.8	49
74	Effective second-order nonlinearity in acentric optical crystals with low symmetry. Applied Optics, 2005, 44, 6971.	2.1	49
75	The nonlinear coefficient d 36 of CdSiP 2. Proceedings of SPIE, 2009, , .	0.8	49
76	Sub-100-fs optical parametric generator pumped by a high-repetition-rate Ti:sapphire regenerative amplifier system. Optics Letters, 1994, 19, 837.	3.3	48
77	Continuous-wave laser oscillation of Yb/sup 3+/ in monoclinic KLu(WO/sub 4/)/sub 2/. IEEE Journal of Quantum Electronics, 2004, 40, 1056-1059.	1.9	48
78	Efficient high-power laser operation of Yb:KLu(WO_4)_2 crystals cut along the principal optical axes. Optics Letters, 2007, 32, 2016.	3.3	48
79	GaSb-based SESAM mode-locked Tm:YAG ceramic laser at 2 Âµm. Optics Express, 2015, 23, 1361.	3.4	48
80	Chirped-pulse stimulated Raman scattering in barium nitrate with subsequent recompression. Optics Letters, 2001, 26, 47.	3.3	47
81	Ultrabroadband continuum amplification in the near infrared using BiB_3O_6 nonlinear crystals pumped at 800 nm. Optics Letters, 2007, 32, 3342.	3.3	47
82	Thermal properties of monoclinic KLu(WO_4)_2 as a promising solid state laser host. Optics Express, 2008, 16, 5022.	3.4	47
83	Midinfrared optical parametric oscillator based on the wide-bandgap BaGa_4S_7 nonlinear crystal. Optics Letters, 2012, 37, 4146.	3.3	47
84	78â€‰â€‰fs SWCNT-SA mode-locked Tm:CLNGG disordered garnet crystal laser at 2017â€‰â€‰nm. Optics Letters, 2018, 43, 4268.	3.3	47
85	Spectroscopic properties and continuous-wave laser operation of a new disordered crystal: Yb-doped CNGG. Optics Express, 2007, 15, 9464.	3.4	46
86	Continuous-wave diode-pumped operation of an Yb:NaLa(WO4)2 laser at room temperature. Optics and Laser Technology, 2007, 39, 558-561.	4.6	46
87	Thin disk Tm-laser based on highly doped Tm:KLu(WO4)2/KLu(WO4)2 epitaxy. Laser Physics Letters, 0, 7, 435-439.	1.4	46
88	Subnanosecond, 1 kHz, temperature-tuned, noncritical mid-infrared optical parametric oscillator based on CdSiP_2 crystal pumped at 1064 nm. Optics Letters, 2010, 35, 1230.	3.3	46
89	Continuous-wave and Q-switched Tm-doped KY(WO_4)_2 planar waveguide laser at 184 Âµm. Optics Express, 2011, 19, 1449.	3.4	46
90	Angle noncritical phase-matched second-harmonic generation in the monoclinic crystal BaGa_4Se_7. Optics Letters, 2015, 40, 4591.	3.3	46

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91	Frequency upconversion of tunable femtosecond pulses by parametric amplification and sum-frequency generation in a single nonlinear crystal. Optics Letters, 1995, 20, 2171.	3.3	45
92	Passively mode-locked Yb:LuVO4oscillator. Optics Express, 2006, 14, 11668.	3.4	45
93	Vibronic thulium laser at 2131â€‰â€‰nm Q-switched by single-walled carbon nanotubes. Journal of the Optical Society of America B: Optical Physics, 2016, 33, D19.	2.1	45
94	Passive Q-switching of microchip lasers based on Ho:YAG ceramics. Applied Optics, 2016, 55, 4877.	2.1	45
95	Sellmeier equations, group velocity dispersion, and thermo-optic dispersion formulas for CaLnAlO_4 (Ln = Y, Gd) laser host crystals. Optics Letters, 2017, 42, 2275.	3.3	45
96	Synthesis, spectroscopy, and efficient laser operation of â€œmixedâ€•sesquioxide Tm:(Lu,Sc)_2O_3 transparent ceramics. Optical Materials Express, 2017, 7, 4192.	3.0	45
97	LiInS2: A new nonlinear crystal for the mid-IR. Materials Science in Semiconductor Processing, 2001, 4, 665-668.	4.0	43
98	Growth, optical characterization, and laser operation of epitaxial Yb:KY(WO[sub 4])[sub 2]â^•KY(WO[sub) Tj ETQq0 0 0 rgBT /Overlock	3.3	43
99	Thin-disk Yb:KLu(WO_4)_2 laser with single-pass pumping. Optics Letters, 2008, 33, 735.	3.3	43
100	Difference-frequency generation of ultrashort pulses in the mid-IR using Yb-fiber pump systems and AgGaSe_2. Optics Express, 2015, 23, 2730.	3.4	43
101	MoS_2 saturable absorber for passive Q-switching of Yb and Tm microchip lasers. Optical Materials Express, 2016, 6, 3262.	3.0	43
102	Femtosecond-laser-written Tm:KLu(WO_4)_2 waveguide lasers. Optics Letters, 2017, 42, 1169.	3.3	43
103	43â€‰â€‰W, 155â€‰â€‰Î¼m and 125â€‰â€‰W, 31â€‰â€‰Î¼m dual-beam, sub-10 cycle, 100â€‰â€‰kHz optical parame Optics Letters, 2018, 43, 5246.	3.3	43
104	Continuous wave and tunable laser operation of Yb3+ in disordered NaLa(MoO4)2. Applied Physics B: Lasers and Optics, 2005, 81, 621-625.	2.2	42
105	Generation of 84-fs pulses from a mode-locked Tm:CNNGG disordered garnet crystal laser. Photonics Research, 2018, 6, 800.	7.0	42
106	Generation of the fourth harmonic of a femtosecond Ti:sapphire laser. Optics Letters, 1998, 23, 1040.	3.3	41
107	Staircase-like spectral dependence of ground-state luminescence time constants in high-density InAs/GaAs quantum dots. Applied Physics Letters, 2001, 78, 3214-3216.	3.3	41
108	Laser operation of epitaxially grown Yb:KLu(WO/sub 4/)/sub 2/--KLu(WO/sub 4/)/sub 2/ composites with monoclinic Crystalline structure. IEEE Journal of Quantum Electronics, 2005, 41, 408-414.	1.9	41

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109	LiInSe_2 nanosecond optical parametric oscillator. Optics Letters, 2005, 30, 2460.	3.3	41
110	Femtosecond Pulses near 2 mum from a Tm:KLuW Laser Mode-Locked by a Single-Walled Carbon Nanotube Saturable Absorber. Applied Physics Express, 2012, 5, 092704.	2.4	41
111	Passive Q-switching of the diode pumped Tm^3+:KLu(WO_4)_2 laser near 2-Âµm with Cr^2+:ZnS saturable absorbers. Optics Express, 2012, 20, 3394.	3.4	41
112	Phase-matching directions and refined Sellmeier equations of the monoclinic acentric crystal BaGa_4Se_7. Optics Letters, 2016, 41, 2731.	3.3	41
113	Barium nonlinear optical crystals for the mid-IR: characterization and some applications. Journal of the Optical Society of America B: Optical Physics, 2021, 38, B46.	2.1	41
114	Phase-matching properties of BaGa_4Se_7 for SHG and SFG in the 0901â€“105910â€‰â€‰Î¼m range. Applied Optics, 2017, 56, 2978.	2.1	41
115	Comparative Study of High-Power Continuous-Wave Laser Performance of Yb-Doped Vanadate Crystals. IEEE Journal of Quantum Electronics, 2009, 45, 807-815.	1.9	40
116	BaGa_4S_7: wide-bandgap phase-matchable nonlinear crystal for the mid-infrared. Optical Materials Express, 2011, 1, 316.	3.0	40
117	Microchip laser operation of Tm,Ho:KLu(WO_4)_2 crystal. Optics Express, 2014, 22, 27976.	3.4	40
118	Thermal Lensing and Multiwatt Microchip Laser Operation of Yb:YCOB Crystals. IEEE Photonics Journal, 2016, 8, 1-12.	2.0	40
119	Highly Efficient, Compact Tm3+:RE2O3 (RE = Y, Lu, Sc) Sesquioxide Lasers Based on Thermal Guiding. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-13.	2.9	40
120	SESAM mode-locked Tm:LuYO₃ ceramic laser generating 54-fs pulses at 2048â€‰â€‰nm. Applied Optics, 2020, 59, 10493.	1.8	40
121	Efficient Yb:KGW lasers end-pumped by high-power diode bars. Applied Physics B: Lasers and Optics, 2006, 83, 235-239.	2.2	39
122	GaS0.4Se0.6: Relevant properties and potential for 1064 nm pumped mid-IR OPOs and OPGs operating above 5 Î¼m. Laser Physics, 2011, 21, 774-781.	1.2	39
123	Graphene mode-locked femtosecond Yb:KLuW laser. Applied Physics Letters, 2012, 101, .	3.3	39
124	Passive mode-locking of the Yb:CNGG laser. Optics Communications, 2010, 283, 567-569.	2.1	38
125	Laser damage of the nonlinear crystals CdSiP₂and ZnGeP₂studied with nanosecond pulses at 1064 and 2090Ânm. Optical Engineering, 2014, 53, 122511.	1.0	38
126	Seeded femtosecond optical parametric amplification in the mid-infrared spectral region above 3 Âµm. Applied Optics, 1997, 36, 1164.	2.1	37

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127	Optical bistability in the operation of a continuous-wave diode-pumped Yb:LuVO4laser. Optics Express, 2006, 14, 12183.	3.4	37
128	Nd:YAG pumped nanosecond optical parametric oscillator based on LiInSe_2 with tunability extending from 47 to 87 Î¼m. Optics Express, 2009, 17, 13441.	3.4	37
129	Passive mode-locking of a diode-pumped Nd:YVO_4 laser by intracavity SHG in PPKTP. Optics Express, 2010, 18, 5754.	3.4	37
130	Compact all-diode-pumped femtosecond laser source based on chirped pulse optical parametric amplification in periodically poled KTiOPO4. Electronics Letters, 2002, 38, 561.	1.0	36
131	Phase-matching and femtosecond difference-frequency generation in the quaternary semiconductor AgGaGe_5Se_12. Applied Optics, 2004, 43, 4590.	2.1	36
132	Continuous-wave tunable and femtosecond mode-locked laser operation of Yb:NaY(MoO_4)_2. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1341.	2.1	36
133	Optical parametric generation in CdSiP_2 at 6125 Î¼m pumped by 8 ns long pulses at 1064 nm. Optics Letters, 2012, 37, 740.	3.3	36
134	Yb:KYW planar waveguide laser Q-switched by evanescent-field interaction with carbon nanotubes. Optics Letters, 2013, 38, 5090.	3.3	36
135	Modelling of graphene Q-switched Tm lasers. Optics Communications, 2017, 389, 15-22.	2.1	36
136	Crystal growth, optical spectroscopy and laser action of Tm^3+-doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	3.4	36
137	Growth, spectroscopy and laser operation of Yb:KGd(PO3)4single crystals. Optics Express, 2007, 15, 2360.	3.4	35
138	In-band-pumped Ho:KLu(WO_4)_2 microchip laser with 84% slope efficiency. Optics Letters, 2015, 40, 344.	3.3	35
139	Continuous-wave mid-infrared laser operation of Tm³⁺:KY₃F₁₀ at 23â€‰â€‰Î¼m. Optics Letters, 2019, 44, 3242.	3.3	35
140	Mid-infrared femtosecond optical parametric amplification in potassium niobate. Optics Letters, 1996, 21, 1576.	3.3	34
141	High-power laser performance of a-cut and c-cut Yb:LuVO_4 crystals. Optics Letters, 2006, 31, 3294.	3.3	34
142	Thermo-optic coefficients of monoclinic KLu(WO4)2. Applied Physics B: Lasers and Optics, 2009, 95, 653-656.	2.2	34
143	Noncritical singly resonant synchronously pumped OPO for generation of picosecond pulses in the mid-infrared near 64 Î¼m. Optics Letters, 2009, 34, 3053.	3.3	34
144	Orthorhombic nonlinear crystals of AgxGaxGe1â^'xSe2 for the mid-infrared spectral range. Optical Materials, 2009, 31, 590-597.	3.6	33

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145	Mode locking of a Cr:YAG laser with carbon nanotubes. Optics Letters, 2010, 35, 2669.	3.3	33
146	Comparative study of crystallographic, spectroscopic, and laser properties of Tm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>in Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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163	Bistable laser operation of a Yb_00054:Y_03481Gd_06465VO_4 mixed crystal. Optics Letters, 2008, 33, 1810.	3.3	29
164	Prospects of monoclinic Yb:KLu(WO_4)_2 crystal for multi-watt microchip lasers. Optical Materials Express, 2015, 5, 661.	3.0	29
165	Sub-nanosecond Yb:KLu(WO_4)_2 microchip laser. Optics Letters, 2016, 41, 2620.	3.3	29
166	Broadband vibrational sum-frequency generation spectrometer at 100 kHz in the 950-1750 cm^{â^'1} spectral range utilizing a LiGaS₂ optical parametric amplifier. Optics Express, 2019, 27, 15289.	3.4	29
167	Sub-80â€‰â€‰fs mode-locked Tm,Ho-codoped disordered garnet crystal oscillator operating at 2081â€‰â€‰nm. Optics Letters, 2018, 43, 5154.	3.3	29
168	Extension of the tuning range of a femtosecond Ti:sapphire laser amplifier through cascaded secondâ€•order nonlinear frequency conversion processes. Journal of Applied Physics, 1994, 76, 7704-7712.	2.5	28
169	Efficient passively Q-switched laser operation of Yb in the disordered NaGd(WO_4)_2 crystal host. Optics Letters, 2007, 32, 1728.	3.3	28
170	Difference-frequency generation of fs and ps mid-IR pulses in LiInSe_2 based on Yb-fiber laser pump sources. Optics Letters, 2014, 39, 4353.	3.3	28
171	Progress in 1-Î¼m Pumped Mid-IR Optical Parametric Oscillators Based on Non-Oxide Nonlinear Crystals. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 193-206.	2.9	28
172	Widely tunable continuous-wave mid-infrared laser source based on difference-frequency generation in AgGaS_2. Applied Optics, 1998, 37, 4925.	2.1	27
173	Generation of femtosecond pulses down to 166 nm by sum-frequency mixing in KB5O8.4H2O. Electronics Letters, 1998, 34, 1748.	1.0	27
174	Ultrabroadband operation of a femtosecond optical parametric generator based on BiB_3O_6 in the near-IR. Optics Express, 2008, 16, 2363.	3.4	27
175	42-fs diode-pumped Yb:Ca_4YO(BO_3)_3 oscillator. Optics Express, 2010, 18, 24325.	3.4	27
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