

Xavier Mateos

List of Publications by Year in descending order

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313
papers

4,163
citations

101384

36
h-index

189595

50
g-index

315
all docs

315
docs citations

315
times ranked

1597
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, optical properties and preferential site substitution of Eu ³⁺ activated Ca ₈ NaBi(PO ₄) ₆ F ₂ red emitting phosphors prepared by modified Pechini process. Journal of Luminescence, 2022, 241, 118523.	1.5	16
2	Structure and luminescent properties of Dy ³⁺ activated NaLa ₉ (SiO ₄) ₆ O ₂ yellow-emitting phosphors for application in white LEDs. Journal of Alloys and Compounds, 2022, 896, 163109.	2.8	29
3	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
4	Polarized spectroscopy and SESAM mode-locking of Tm,Ho:CALGO. Optics Express, 2022, 30, 7883.	1.7	21
5	Soliton mode-locked Yb:Ca ₃ Gd ₂ (BO ₃) ₄ laser. Optics Express, 2022, 30, 11833.	1.7	2
6	SESAM mode-locked Yb:Sr ₃ Y ₂ (BO ₃) ₄ laser. Optics Express, 2022, 30, 11861.	1.7	8
7	Diode-pumped SESAM mode-locked Yb:(Y,Gd)AlO ₃ laser. Optics Express, 2022, 30, 11825.	1.7	5
8	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
9	Growth, structure, and polarized spectroscopy of monoclinic Er ³⁺ :MgWO ₄ crystal. Optical Materials Express, 2022, 12, 2028.	1.6	3
10	Diode-pumped mode-locked Yb:BaF ₂ laser. Optics Express, 2022, 30, 15807.	1.7	9
11	Kerr-lens mode-locked ytterbium-activated orthoaluminate laser. Optics Letters, 2022, 47, 3027.	1.7	4
12	Disordered Tm ³⁺ ,Ho ³⁺ -codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at $\lambda = 2\frac{1}{4}\mu\text{m}$. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
13	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
14	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
15	Monoclinic zinc monotonungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part II. Polarized spectroscopy and laser operation. Journal of Luminescence, 2021, 231, 117811.	1.5	5
16	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
17	Structured laser beams: toward 2- $\frac{1}{4}\mu\text{m}$ femtosecond laser vortices. Photonics Research, 2021, 9, 357.	3.4	24
18	Diode-pumped sub-50-fs Kerr-lens mode-locked Yb:GdYCOB laser. Optics Express, 2021, 29, 13496.	1.7	9

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19	Diode-pumped master oscillator power amplifier system based on cryogenically cooled Tm:Y2O3 transparent ceramics. Optical Materials Express, 2021, 11, 1489.	1.6	4
20	Sub-50-fs pulse generation from a SESAM mode-locked Tm,Ho-codoped calcium aluminate laser. Optics Letters, 2021, 46, 2642.	1.7	21
21	Kerr-lens mode-locked Tm-doped sesquioxide ceramic laser. Optics Letters, 2021, 46, 3428.	1.7	19
22	Sub-50-fs SESAM mode-locked Tm,Ho:Ca(Gd,Lu)AlO4 laser. , 2021, , .		0
23	Growth and Polarized Spectroscopy of Red-Emitting Monoclinic Eu:CsGd(MoO4)2 Crystal with a Layered Structure. , 2021, , .		0
24	Efficient Laser Operation of Transparent "Mixed" 7 at.% Er:(Lu,Sc)2O3 Sesquioxide Ceramics near 2.8 Åµm. , 2021, , .		0
25	2 ¼m MOPA Laser Based on Cryogenically Cooled Tm:Y2O3 Transparent Ceramic. , 2021, , .		0
26	Development of a Yellow Laser Source at 577 nm for Ophthalmology Applications. , 2021, , .		1
27	Spectroscopy and laser operation of highly-doped 10 at.% Yb:(Lu,Sc)2O3 ceramics. Optical Materials, 2021, 117, 111128.	1.7	9
28	Tm ³⁺ -doped calcium lithium tantalum gallium garnet (Tm:CLTGG): novel laser crystal. Optical Materials Express, 2021, 11, 2938.	1.6	3
29	Hot pressing of Yb:Y2O3 laser ceramics with LiF sintering aid. Optical Materials, 2021, 119, 111349.	1.7	17
30	Sub-100 fs mode-locked Tm:CLTGG laser. Optics Express, 2021, 29, 31137.	1.7	9
31	Spectroscopy and efficient laser operation around 2.8 ¼m of Er:(Lu,Sc)2O3 sesquioxide ceramics. Journal of Luminescence, 2021, 240, 118373.	1.5	14
32	Comparative study of Ho:Y2O3 and Ho:Y3Al5O12 transparent ceramics produced from laser-ablated nanoparticles. Journal of Luminescence, 2021, 240, 118460.	1.5	7
33	Kerr-lens mode-locked Tm:(Lu,Sc)2O3 ceramic laser generating sub-60-fs pulses at 2.08 Åµm. , 2021, , .		0
34	Tm ³⁺ and Ho ³⁺ colasing in in-band pumped waveguides fabricated by femtosecond laser writing. Optics Letters, 2021, 46, 122.	1.7	7
35	SESAM Mode-Locked Yb:Ca3Gd2(BO3)4 Femtosecond Laser. Applied Sciences (Switzerland), 2021, 11, 9464.	1.3	4
36	SWCNT-SA mode-locked Tm,Ho:LCLNGG laser. Optics Express, 2021, 29, 40323.	1.7	6

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37	Kerr-lens mode-locked Yb:SrLaAlO ₄ laser. Optics Express, 2021, 29, 42837.	1.7	11
38	Single-walled carbon nanotube saturable-absorber mode-locked Tm:CLTGG laser. , 2021, , .		0
39	Polarized Spectroscopy and Eye-Safe Laser Operation of Monoclinic Er ³⁺ :MgWO ₄ Crystal. , 2021, , .		0
40	Kerr-Lens Mode-Locked Yb:SrLaAlO ₄ Laser. , 2021, , .		0
41	Adjustable Pulsed Operation from Q-switching to CW Mode-locking in a Yb:KLuW Waveguide Laser. , 2021, , .		0
42	SESAM mode-locked Yb:SrLaAlO ₄ laser. Optics Express, 2021, 29, 43820.	1.7	4
43	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
44	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
45	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
46	Raman Laser Spectrometer: Application to ¹² C/ ¹³ C Isotope Identification in CH ₄ and CO ₂ Greenhouse Gases. Applied Sciences (Switzerland), 2020, 10, 7473.	1.3	14
47	Watt-level ultrafast laser inscribed thulium waveguide lasers. Progress in Quantum Electronics, 2020, 72, 100266.	3.5	14
48	35 W continuous-wave Ho:YAG single-crystal fiber laser. High Power Laser Science and Engineering, 2020, 8, .	2.0	16
49	Spectroscopy and diode-pumped continuous-wave laser operation of Tm:Y ₂ O ₃ transparent ceramic at cryogenic temperatures. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	10
50	SESAM mode-locked Tm:LuYO ₃ ceramic laser generating 54-fs pulses at 2048 nm. Applied Optics, 2020, 59, 10493.	0.9	40
51	Growth, Spectroscopy and Laser Operation in Disordered Tm,Ho:Ca(Gd,Lu)AlO ₄ Crystals. , 2020, , .		1
52	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
53	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
54	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

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55	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
56	Spectroscopy and high-power laser operation of a monoclinic Yb ³⁺ :MgWO ₄ crystal. Optics Letters, 2020, 45, 1770.	1.7	10
57	Low-loss fs-laser-written surface waveguide lasers at $>2 \mu\text{m}$ in monoclinic Tm ³⁺ :MgWO ₄ . Optics Letters, 2020, 45, 4060.	1.7	4
58	Single-walled carbon-nanotube saturable absorber assisted Kerr-lens mode-locked Tm:MgWO ₄ laser. Optics Letters, 2020, 45, 6142.	1.7	11
59	Carbon nanotube Q-switched Yb:KLuW surface channel waveguide lasers. Optics Letters, 2020, 45, 216.	1.7	15
60	Transition of pulsed operation from Q-switching to continuous-wave mode-locking in a Yb:KLuW waveguide laser. Optics Express, 2020, 28, 18027.	1.7	14
61	58-fs Pulses Generation from a SWCNT-SA Mode-Locked Mixed Sesquioxide Tm:(Lu,Sc) ₂ O ₃ Ceramic Laser. , 2020, , .		0
62	Growth, spectroscopy and diode-pumped laser operation of acentric Yb:KGd(PO ₃) ₄ crystal. EPI Web of Conferences, 2020, 243, 12002.	0.1	0
63	Laser operation of cleaved single-crystal plates and films of Tm:KY(MoO ₄) ₂ . Optics Express, 2020, 28, 9039.	1.7	6
64	Spectroscopy and efficient laser operation of cleaving Yb:KY(MoO ₄) ₂ crystal. Optical Materials Express, 2020, 10, 2356.	1.6	5
65	Near-Infrared Femtosecond Direct Laser Written Waveguide Lasers [Invited]. , 2020, , .		0
66	Laser Operation of Yb ³⁺ -doped Lu-based Oxide Ceramics: A Comparative Study. , 2020, , .		0
67	Novel Molybdate Laser Crystal with a Layered Structure: Orthorombic Er ³⁺ :KY(MoO ₄) ₂ . , 2020, , .		0
68	Effect of SiO ₂ addition on structural and optical properties of Yb:Lu ₃ Al ₅ O ₁₂ transparent ceramics based on laser ablated nanopowders. Journal of Alloys and Compounds, 2019, 806, 717-725.	2.8	15
69	Ultrafast Laser Inscription and Laser Operation of Y-Branch Splitters in Monoclinic Thulium-Doped Crystals. , 2019, , .		0
70	Growth, spectroscopy and first laser operation of monoclinic Ho ³⁺ :MgWO ₄ crystal. Journal of Luminescence, 2019, 213, 316-325.	1.5	18
71	Saturable absorption properties at 1.54 μm of Cr ²⁺ :ZnS prepared by thermal diffusion at hot isostatic pressing. Laser Physics Letters, 2019, 16, 065801.	0.6	5
72	Ytterbium calcium fluoride waveguide laser. Optics Express, 2019, 27, 12647.	1.7	15

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73	Spectroscopy, Continuous-Wave and Passively Q-Switched Laser Operation of Transparent Tm:LuAG Ceramics. , 2019, , .		0
74	Femtosecond-Laser-Written Waveguide Lasers at $\lambda/4$. , 2019, , .		0
75	Transparent Yb:Lu ₃ Al ₅ O ₁₂ Laser Ceramics Based on Nanopowders Produced by Laser Ablation. , 2019, , .		0
76	Yb:KLuW Channel Waveguide Lasers Passively Q-Switched by Evanescent-Field Interaction with Carbon Nanotubes. , 2019, , .		1
77	76 fs SWCNT-SA Mode-Locked Tm:MgWO ₄ Laser at $2\lambda/4$. , 2019, , .		0
78	Growth, Spectroscopy and Laser Operation of Tm,Ho:CNGG: A Promising Disordered Crystal for Mode-Locked Lasers. , 2019, , .		0
79	A Novel Saturable Absorber: Transparent Glass-Ceramics Based on Co ₂₊ :Li(Al,Ga) ₅ O ₈ Spinel Nanocrystals. , 2019, , .		0
80	Spectroscopy of Tm:Y ₂ O ₃ Transparent Ceramic at Cryogenic Temperatures. , 2019, , .		0
81	Sub-100-fs bulk solid-state lasers near 2-micron. , 2019, , .		18
82	52-fs SESAM Mode-Locked Tm,Ho:CALGO Laser. , 2019, , .		7
83	Graphene and SESAM mode-locked Yb:CNGS lasers with self-frequency doubling properties. Optics Express, 2019, 27, 590.	1.7	13
84	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
85	67-fs pulse generation from a mode-locked Tm,Ho:CLNGG laser at 2083 nm. Optics Express, 2019, 27, 1922.	1.7	32
86	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . Optics Express, 2019, 27, 8745.	1.7	20
87	“Mixed Tm:Ca(Gd,Lu)AlO ₄ ” a novel crystal for tunable and mode-locked 2 μ m lasers. Optics Express, 2019, 27, 9987.	1.7	33
88	Diamond saw dicing of thulium channel waveguide lasers in monoclinic crystalline films. Optics Letters, 2019, 44, 1596.	1.7	9
89	Femtosecond-laser-written Ho:KGd(WO ₄) ₂ waveguide laser at $2\lambda/4$. Optics Letters, 2019, 44, 1738.	1.7	17
90	Spectroscopy and High-Power Laser Operation of Monoclinic Yb ₃₊ :MgWO ₄ crystal. , 2019, , .		0

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91	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu ₃ Al ₅ O ₁₂ Transparent Ceramics. , 2019, , .		0
92	Watt-Level fs-Laser-Written Thulium Waveguide Lasers. , 2019, , .		0
93	Ultrafast Laser Inscribed Waveguide Lasers in Tm:CALGO. , 2019, , .		0
94	Sub-60-fs Pulse Generation from a SWCNT Mode-Locked Tm:LuYO ₃ Ceramic Laser at 2045 nm. , 2019, , .		0
95	Graphene mode-locked Tm,Ho:CLNGG laser with 70-fs pulse duration. , 2019, , .		0
96	Laser Operation of Cleaved Single-Crystal Plates and Films of Tm:KY(MoO ₄) ₂ . , 2019, , .		0
97	Laser operation of Nd ³⁺ -doped silicates (Gd,Y) ₂ SiO ₅ , (Lu,Y) ₂ SiO ₅ and Lu ₂ SiO ₅ at ~1.36 μm. , 2019, , .		0
98	Graphene mode-locked Tm,Ho-codoped crystalline garnet laser producing 70-fs pulses near 21 μm. OSA Continuum, 2019, 2, 2593.	1.8	1
99	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
100	Passively Q-switched 1.6 μm Er:YAG laser with a Ga ₂ O ₃ :Co-based glass-ceramics as a saturable absorber. Laser Physics Letters, 2018, 15, 045004.	0.6	5
101	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
102	Spectroscopy of Tb ³⁺ ions in monoclinic KLu(WO ₄) ₂ crystal application of an intermediate configuration interaction theory. Optical Materials, 2018, 78, 495-501.	1.7	33
103	Luminescence peculiarities of Eu ³⁺ ions in multicomponent Ca ₂ YSc ₂ GaSi ₂ O ₁₂ garnet. Dyes and Pigments, 2018, 150, 158-164.	2.0	16
104	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
105	Passive Q switching of Yb:CNGLs lasers by Cr ⁴⁺ :YAG and V ³⁺ :YAG saturable absorbers. Applied Optics, 2018, 57, 8236.	0.9	2
106	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
107	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
108	Efficient diode-pumped Er:KLu(WO ₄) ₂ laser at 161 μm. Optics Letters, 2018, 43, 218.	1.7	6

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109	Tm:KY _{1-x-y} Gd _x Lu _y (WO ₄) ₂ planar waveguide laser passively Q-switched by single-walled carbon nanotubes. Optics Express, 2018, 26, 4961.	1.7	14
110	Ho:KY(WO ₄) ₂ thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	1.7	5
111	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
112	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
113	Thermo-optic effects in Ho:KY(WO ₄) ₂ thin-disk lasers. Optical Materials Express, 2018, 8, 684.	1.6	7
114	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
115	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
116	Generation of 84-fs pulses from a mode-locked Tm:CNNGG disordered garnet crystal laser. Photonics Research, 2018, 6, 800.	3.4	42
117	87-fs mode-locked Tm, Ho:CaYAlO ₄ laser at 142043 nm. Optics Letters, 2018, 43, 915.		56
118	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at ~2 Åµm in Monoclinic Tm:MgWO ₄ . , 2018, , .		0
119	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
120	Efficient continuous-wave in-band pumped Nd:KY(MoO ₄) ₂ laser. Laser Physics Letters, 2018, 15, 065002.	0.6	7
121	Inkjet-printing of graphene saturable absorbers for ~2 Åµm bulk and waveguide lasers. Optical Materials Express, 2018, 8, 2803.	1.6	7
122	78-fs SWCNT-SA mode-locked Tm:CLNGG disordered garnet crystal laser at 1717 nm. Optics Letters, 2018, 43, 4268.	1.7	47
123	Saturable Absorption of Cr ²⁺ :ZnS Doped by Hot Isostatic Pressing at 1.54 Åµm. , 2018, , .		0
124	Eu ³⁺ :KY(MoO ₄) ₂ : A novel anisotropic red-emitting material with a layered structure. Journal of Alloys and Compounds, 2018, 762, 786-796.	2.8	15
125	Synthesis, spectroscopic characterization and laser operation of Ho ³⁺ in mixed (Lu, Sc) ₂ O ₃ ceramics. Journal of Luminescence, 2018, 203, 145-151.	1.5	19
126	Growth, Characterization and Laser Operation of Tm ³⁺ , Na ⁺ codoped CNGG (Tm:CNNGG) Disordered Garnet. , 2018, , .		1

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127	Crystal growth, spectroscopy and femtosecond laser performance of Tm,Na:CNCG disordered garnet crystal. , 2018, , .		2
128	Fs-laser-written erbium-doped double tungstate waveguide laser. Optics Express, 2018, 26, 30826.	1.7	9
129	Sub-80fs mode-locked Tm,Ho-codoped disordered garnet crystal oscillator operating at 2081nm, Optics Letters, 2018, 43, 5154.	1.7	29
130	Passively Q-switched femtosecond-laser-written thulium waveguide laser based on evanescent field interaction with carbon nanotubes. Photonics Research, 2018, 6, 971.	3.4	23
131	Growth, spectroscopy and laser operation of "mixed" Tm:Ca(Gd,Lu)AlO ₄ " A novel crystal for mode-locked lasers. , 2018, , .		0
132	84-fs Pulse Generation from a Mode-Locked Tm,Ho:CLNGG Laser at 2080 nm. , 2018, , .		0
133	Sub-100 fs pulse generation from a Tm,Ho:CALYO laser mode-locked by a GaSb-based SESAM at ~2043 nm. , 2018, , .		1
134	2D Materials for Mode-Locking of Bulk 2 Micron Lasers: Alternatives to SESAMs. , 2018, , .		0
135	78-fs Pulses from a SWCNTs Mode-Locked Tm:CLNGG Disordered Garnet Crystal Laser. , 2018, , .		0
136	Highly-efficient Ho:KY(WO ₄) ₂ thin-disk lasers at 2.06 μm. , 2018, , .		0
137	Q-Switching of Ytterbium Lasers by A Graphene Saturable Absorber. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 533-535.	0.2	1
138	Multi-watt passively Q-switched Yb:YAB/Cr:YAG microchip lasers. Proceedings of SPIE, 2017, , .	0.8	2
139	Spectroscopy and laser operation of Indium-modified Yb:KLuW: a promising crystal for femtosecond lasers. , 2017, , .		0
140	Mechanisms of Up-Conversion Luminescence in Glass-Ceramics Containing Er:PbF ₂ Nanocrystals. Journal of Applied Spectroscopy, 2017, 84, 194-201.	0.3	2
141	Judd-Ofelt modelling and stimulated-emission cross-sections for Tb ³⁺ ions in monoclinic KYb(WO ₄) ₂ crystal. Journal of Luminescence, 2017, 190, 37-44.	1.5	20
142	SYNTHESIS, STRUCTURE AND OPTICAL PROPERTIES OF GLASS-CERAMICS BASED ON ZnO NANOCRYSTALS AND CODOPED WITH Er ³⁺ AND Yb ³⁺ IONS. , 2017, , 369-372.		0
143	GLASS-CERAMICS WITH Ho ³⁺ :YNbO ₄ NANOCRYSTALS: NUCLEATION, STRUCTURE, AND SPECTRAL PROPERTIES. , 2017, , 373-376.		2
144	Tm:CaGdAlO ₄ : spectroscopy, microchip laser and passive Q-switching by carbon nanostructures. , 2017, , .		4

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145	Highly-efficient multi-watt Yb:CaLnAlO ₄ microchip lasers. , 2017, , .		2
146	Glass-ceramics with Co ²⁺ :Mg(Al,Ga) ₂ O ₄ nanocrystals: novel saturable absorber for compact erbium lasers. Proceedings of SPIE, 2017, , .	0.8	0
147	Efficient Micro-Lasers Based on Highly Doped Monoclinic Double Tungstates. IEEE Journal of Quantum Electronics, 2017, 53, 1-10.	1.0	15
148	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μm. Laser Physics Letters, 2017, 14, 095801.	0.6	8
149	Orthorombic Yb:Li ₂ Zn ₂ (MoO ₄) ₃ a novel potential crystal for broadly tunable lasers. Laser Physics Letters, 2017, 14, 085804.	0.6	4
150	Oriented ZnO nanorods: A novel saturable absorber for lasers at 2 μm. , 2017, , .		2
151	Diode-pumped cryogenic Yb:KLu(WO ₄) ₂ laser. , 2017, , .		0
152	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μm. , 2017, , .		0
153	Passively mode-locked femtosecond Tm:MgWO ₄ laser. , 2017, , .		0
154	Holmium thin-disk laser at 2056 nm based on Ho:KYW/KYW epitaxy. , 2017, , .		0
155	Growth, spectroscopy and highly-efficient laser operation of a novel trigonal silicate crystal “Yb ³⁺ :Ca ₃ NbGa ₃ Si ₂ O ₁₂ ” , 2017, , .		0
156	Femtosecond laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. , 2017, , .		0
157	Growth and spectroscopy of novel Raman-active molybdate laser crystals: Yb:Li ₂ M ₂ (MoO ₄) ₃ where M = Mg or Zn. , 2017, , .		0
158	Holmium thin-disk laser based on Ho:KY(WO ₄) ₂ /KY(WO ₄) ₂ epitaxy with 60% slope efficiency and simplified pump geometry. Optics Letters, 2017, 42, 3490.	1.7	16
159	Crystal growth, optical spectroscopy and laser action of Tm ³⁺ -doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	1.7	36
160	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
161	Thulium doped LuAG ceramics for passively mode locked lasers. Optics Express, 2017, 25, 7084.	1.7	17
162	Diode-pumped passively Q-switched self-frequency-doubled Nd:CNCS laser. Optics Express, 2017, 25, 19760.	1.7	17

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164	Comparative spectroscopic and thermo-optic study of Tm:LiLnF ₄ (Ln = Y, Gd, and Lu) crystals for highly-efficient microchip lasers at ~2 μ m. Optical Materials Express, 2017, 7, 844.	1.6	31
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