

Magdalena Aguilã³

List of Publications by Year in descending order

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499
papers

8,789
citations

57719

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h-index

88593

70
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514
all docs

514
docs citations

514
times ranked

4784
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Diode-pumped and tunable laser operation of Tm,Ho-codoped modified CNGG-type disordered crystals. , 2022, , .		0
3	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
4	Luminescence nanothermometry via white light emission in Ho ³⁺ , Tm ³⁺ :Y ₂ O ₃ colloidal nanocrystals. Journal of Luminescence, 2022, 247, 118854.	1.5	3
5	Stoichiometric dependence and laser heating effect on the luminescence thermometric performance of Er ³⁺ , Yb ³⁺ : Y ₂ GdVO ₄ microparticles in the non-saturation regime. Materials Research Bulletin, 2022, 151, 111801.	2.7	4
6	Growth, structure, and polarized spectroscopy of monoclinic Er ³⁺ :MgWO ₄ crystal. Optical Materials Express, 2022, 12, 2028.	1.6	3
7	Excitation power density dependence of a primary luminescent thermometer based on Er ³⁺ , Yb ³⁺ : GdVO ₄ microcrystals operating in the visible. Journal of Alloys and Compounds, 2022, 921, 166020.	2.8	12
8	Disordered Tm ³⁺ ,Ho ³⁺ -codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at $\lambda = 1.42 \mu\text{m}$. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
9	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
10	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
11	Monoclinic zinc monotonungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part II. Polarized spectroscopy and laser operation. Journal of Luminescence, 2021, 231, 117811.	1.5	5
12	Synthesis of monoclinic Ho,Tm:KLu(WO ₄) ₂ microrods with high photothermal conversion efficiency via a thermal decomposition-assisted method. Journal of Materials Chemistry C, 2021, 9, 2024-2036.	2.7	6
13	Lanthanide doped luminescence nanothermometers in the biological windows: strategies and applications. Nanoscale, 2021, 13, 7913-7987.	2.8	121
14	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
15	Effect of the Size and Shape of Ho, Tm:KLu(WO ₄) ₂ Nanoparticles on Their Self-Assessed Photothermal Properties. Nanomaterials, 2021, 11, 485.	1.9	5
16	Spectroscopy and laser operation of highly-doped 10 at.% Yb:(Lu,Sc) ₂ O ₃ ceramics. Optical Materials, 2021, 117, 111128.	1.7	9
17	Tm ³⁺ -doped calcium lithium tantalum gallium garnet (Tm:CLTGG): novel laser crystal. Optical Materials Express, 2021, 11, 2938.	1.6	3
18	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

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19	Tm ³⁺ and Ho ³⁺ colasing in in-band pumped waveguides fabricated by femtosecond laser writing. Optics Letters, 2021, 46, 122.	1.7	7
20	Adjustable Pulsed Operation from Q-switching to CW Mode-locking in a Yb:KLuW Waveguide Laser. , 2021, , .		0
21	Tailoring Wettability Properties of GaN Epitaxial Layers through Surface Porosity Induced during CVD Deposition. Langmuir, 2021, 37, 14622-14627.	1.6	4
22	Stokes and anti-Stokes operating conditions dependent luminescence thermometric performance of Er ³⁺ -doped and Er ³⁺ , Yb ³⁺ co-doped GdVO ₄ microparticles in the non-saturation regime. Journal of Alloys and Compounds, 2020, 814, 152197.	2.8	49
23	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
24	Short-wavelength infrared self-assessed photothermal agents based on Ho,Tm:KLu(WO ₄) ₂ nanocrystals operating in the third biological window (1.45–1.96 μm wavelength range). Journal of Materials Chemistry C, 2020, 8, 180-191.	2.7	23
25	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
26	Monoclinic zinc monotungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part I. Czochralski growth, structure refinement and Raman spectra. Journal of Luminescence, 2020, 228, 117601.	1.5	9
27	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
28	Watt-level ultrafast laser inscribed thulium waveguide lasers. Progress in Quantum Electronics, 2020, 72, 100266.	3.5	14
29	Bifunctional Tm ³⁺ ,Yb ³⁺ :GdVO ₄ @SiO ₂ Core-Shell Nanoparticles in HeLa Cells: Upconversion Luminescence Nanothermometry in the First Biological Window and Biolabelling in the Visible. Nanomaterials, 2020, 10, 993.	1.9	27
30	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
31	Radioluminescence properties under X-ray excitation of type III Ce ³⁺ - and Pr ³⁺ -doped KGd(PO ₃) ₄ single crystals. Journal of Luminescence, 2020, 225, 117339.	1.5	3
32	Study of Local Inertial Focusing Conditions for Spherical Particles in Asymmetric Serpentes. Fluids, 2020, 5, 1.	0.8	21
33	Single crystal growth, optical absorption and luminescence properties under VUV-UV synchrotron excitation of type III Pr ³⁺ :KGd(PO ₃) ₄ . Scientific Reports, 2020, 10, 6712.	1.6	3
34	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
35	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
36	Spectroscopy and high-power laser operation of a monoclinic Yb ³⁺ :MgWO ₄ crystal. Optics Letters, 2020, 45, 1770.	1.7	10

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37	Low-loss fs-laser-written surface waveguide lasers at $>2\ \mu\text{m}$ in monoclinic $\text{Tm}^{3+}:\text{MgWO}_4$. Optics Letters, 2020, 45, 4060.	1.7	4
38	Carbon nanotube Q-switched Yb:KLuW surface channel waveguide lasers. Optics Letters, 2020, 45, 216.	1.7	15
39	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
40	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
41	Laser operation of cleaved single-crystal plates and films of $\text{Tm}:\text{KY}(\text{MoO}_4)_2$. Optics Express, 2020, 28, 9039.	1.7	6
42	Spectroscopy and efficient laser operation of cleaving Yb:KY(MoO ₄) ₂ crystal. Optical Materials Express, 2020, 10, 2356.	1.6	5
43	Near-Infrared Femtosecond Direct Laser Written Waveguide Lasers [Invited]. , 2020, , .		0
44	Spectroscopic Study and First Laser Operation of Monoclinic Yb ³⁺ ,Li ⁺ :ZnWO ₄ Crystal. , 2020, , .		0
45	Novel Molybdate Laser Crystal with a Layered Structure: Orthorombic Er ³⁺ :KY(MoO ₄) ₂ . , 2020, , .		0
46	Investigation of antireflective and hydrophobic properties in polycrystalline GaN films with dual porosity produced by CVD. Scientific Reports, 2019, 9, 11686.	1.6	5
47	KLu(WO ₄) ₂ /SiO ₂ Tapered Waveguide Platform for Sensing Applications. Micromachines, 2019, 10, 454.	1.4	1
48	Ultrafast Laser Inscription and Laser Operation of Y-Branch Splitters in Monoclinic Thulium-Doped Crystals. , 2019, , .		0
49	Investigation of NaTiOPO ₄ as Anode for Sodium-Ion Batteries: A Solid Electrolyte Interphase Free Material?. ACS Applied Energy Materials, 2019, 2, 1923-1931.	2.5	18
50	Growth, spectroscopy and first laser operation of monoclinic Ho ³⁺ :MgWO ₄ crystal. Journal of Luminescence, 2019, 213, 316-325.	1.5	18
51	Mapping Temperature Distribution Generated by Photothermal Conversion in Graphene Film Using Er,Yb:NaYF ₄ Nanoparticles Prepared by Microwave-Assisted Solvothermal Method. Frontiers in Chemistry, 2019, 7, 88.	1.8	12
52	Ytterbium calcium fluoride waveguide laser. Optics Express, 2019, 27, 12647.	1.7	15
53	Spectroscopy, Continuous-Wave and Passively Q-Switched Laser Operation of Transparent Tm:LuAG Ceramics. , 2019, , .		0
54	Femtosecond-Laser-Written Waveguide Lasers at $\lambda = 1.42\ \mu\text{m}$. , 2019, , .		0

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55	Yb:KLuW Channel Waveguide Lasers Passively Q-Switched by Evanescent-Field Interaction with Carbon Nanotubes. , 2019, , .		1
56	Growth, Spectroscopy and Laser Operation of Tm,Ho:CNGG: A Promising Disordered Crystal for Mode-Locked Lasers. , 2019, , .		0
57	Spectroscopy of Tm:Y2O3 Transparent Ceramic at Cryogenic Temperatures. , 2019, , .		0
58	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
59	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . Optics Express, 2019, 27, 8745.	1.7	20
60	“Mixed Tm:Ca(Gd,Lu)AlO ₄ ” a novel crystal for tunable and mode-locked 2 Åµm lasers. Optics Express, 2019, 27, 9987.	1.7	33
61	Diamond saw dicing of thulium channel waveguide lasers in monoclinic crystalline films. Optics Letters, 2019, 44, 1596.	1.7	9
62	Femtosecond-laser-written Ho:KGd(WO ₄) ₂ waveguide laser at 21 Åµm. Optics Letters, 2019, 44, 1738.	1.7	17
63	Spectroscopy and High-Power Laser Operation of Monoclinic Yb ³⁺ :MgWO ₄ crystal. , 2019, , .		0
64	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu ₃ Al ₅ O ₁₂ Transparent Ceramics. , 2019, , .		0
65	Watt-Level fs-Laser-Written Thulium Waveguide Lasers. , 2019, , .		0
66	Laser Operation of Cleaved Single-Crystal Plates and Films of Tm:KY(MoO ₄) ₂ . , 2019, , .		0
67	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 Åµm. , 2019, , .		0
68	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
69	Upconversion thermometry: a new tool to measure the thermal resistance of nanoparticles. Nanoscale, 2018, 10, 6602-6610.	2.8	139
70	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
71	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
72	Luminescent nanothermometry using short-wavelength infrared light. Journal of Alloys and Compounds, 2018, 746, 710-719.	2.8	30

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73	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
74	Optimization of the Synthesis and Physical Characterization of Praseodymium-Doped Type III KGd(PO ₃) ₄ Nanocrystals. ACS Omega, 2018, 3, 11307-11316.	1.6	1
75	Two-Way Coupling Fluid-Structure Interaction (FSI) Approach to Inertial Focusing Dynamics under Dean Flow Patterns in Asymmetric Serpentes. Fluids, 2018, 3, 62.	0.8	12
76	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
77	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
78	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
79	Efficient diode-pumped Er:KLu(WO ₄) ₂ laser at $\lambda = 1610$ nm. Optics Letters, 2018, 43, 218.	1.7	6
80	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
81	Ho:KY(WO ₄) ₂ thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	1.7	5
82	Growth, spectroscopy, and laser operation of α -mixed vanadate crystals Yb:Lu _{1-x-y} Y _x La _y VO ₄ . Optical Materials Express, 2018, 8, 493.	1.6	8
83	Thermo-optic effects in Ho:KY(WO ₄) ₂ thin-disk lasers. Optical Materials Express, 2018, 8, 684.	1.6	7
84	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
85	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
86	Single crystal growth, optical absorption and luminescence properties under VUV-UV synchrotron excitation of type III Ce ³⁺ :KGd(PO ₃) ₄ , a promising scintillator material. Scientific Reports, 2018, 8, 11002.	1.6	9
87	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at $\sim 2 \mu\text{m}$ in Monoclinic Tm:MgWO ₄ . , 2018, . .		0
88	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
89	Efficient continuous-wave in-band pumped Nd:KY(MoO ₄) ₂ laser. Laser Physics Letters, 2018, 15, 065002.	0.6	7
90	Inkjet-printing of graphene saturable absorbers for $\sim 1.4 \mu\text{m}$ bulk and waveguide lasers. Optical Materials Express, 2018, 8, 2803.	1.6	7

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91	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
92	Expanding luminescence thermometry detection range to the SWIR for biomedical applications. , 2018, , .		2
93	Growth, Characterization and Laser Operation of Tm ³⁺ , Na ⁺ codoped CNGG (Tm:CNNGG) Disordered Garnet. , 2018, , .		1
94	Fs-laser-written erbium-doped double tungstate waveguide laser. Optics Express, 2018, 26, 30826.	1.7	9
95	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
96	Growth, spectroscopy and laser operation of mixed-Tm:Ca(Gd,Lu)AlO ₄ A novel crystal for mode-locked lasers. , 2018, , .		0
97	Dual-wavelength Nd:CaLnAlO ₄ lasers at 1.365 and 1.390 Åµm. , 2018, , .		0
98	Tm:GdVO ₄ microchip laser Q-switched by a Sb ₂ Te ₃ topological insulator. , 2018, , .		0
99	Passive Q-switching of femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers by graphene and MoS ₂ saturable absorbers. , 2018, , .		0
100	Highly-efficient Ho:KY(WO ₄) ₂ thin-disk lasers at 2.06 Åµm. , 2018, , .		0
101	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
102	Multi-watt passively Q-switched Yb:YAB/Cr:YAG microchip lasers. Proceedings of SPIE, 2017, , .	0.8	2
103	Graphene Q-switched Tm:KY(WO ₄) ₂ waveguide laser. Laser Physics, 2017, 27, 045801.	0.6	13
104	Spectroscopy and laser operation of Indium-modified Yb:KLuW: a promising crystal for femtosecond lasers. , 2017, , .		0
105	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
106	Optofluidic device for the quantification of circulating tumor cells in breast cancer. Scientific Reports, 2017, 7, 3677.	1.6	23
107	Harsh-Environment-Resistant OH-Vibrations-Sensitive Mid-Infrared Water-Ice Photonic Sensor. Advanced Materials Technologies, 2017, 2, 1700085.	3.0	10
108	Highly-efficient multi-watt Yb:CaLnAlO ₄ microchip lasers. , 2017, , .		2

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109	Efficient Micro-Lasers Based on Highly Doped Monoclinic Double Tungstates. IEEE Journal of Quantum Electronics, 2017, 53, 1-10.	1.0	15
110	Modelling of graphene Q-switched Tm lasers. Optics Communications, 2017, 389, 15-22.	1.0	36
111	Rectifiers, MOS Diodes and LEDs Made of Fully Porous GaN Produced by Chemical Vapor Deposition. ECS Journal of Solid State Science and Technology, 2017, 6, R143-R148.	0.9	1
112	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μ m. Laser Physics Letters, 2017, 14, 095801.	0.6	8
113	Anisotropic enhancement of Yb ³⁺ luminescence by disordered plasmonic networks self-assembled on RbTiOPO ₄ ferroelectric crystals. Nanoscale, 2017, 9, 16166-16174.	2.8	11
114	(Invited) Rectifiers, Mos Diodes and LEDs Made of Fully Porous GaN Produced by Chemical Vapor Deposition. ECS Transactions, 2017, 80, 55-68.	0.3	0
115	Microfluidic device with dual-channel fluorescence acquisition for quantification/identification of cancer cells. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	3
116	Optical and structural characterisation of epitaxial nanoporous GaN grown by CVD. Nanotechnology, 2017, 28, 375701.	1.3	7
117	Yb ³⁺ -doped KLu(WO ₄) ₂ , Nb:RbTiOPO ₄ and KGd(PO ₃) ₄ crystals. Growth, characterization and laser operation. Optical Materials, 2017, 63, 59-68.	1.7	7
118	Indium-modified Yb:KLu(WO ₄) ₂ crystal: Growth, spectroscopy and laser operation. Journal of Luminescence, 2017, 183, 391-400.	1.5	6
119	Europium doping in monoclinic KYb(WO ₄) ₂ crystal. Journal of Luminescence, 2017, 183, 217-225.	1.5	7
120	Oriented ZnO nanorods: A novel saturable absorber for lasers at 2 μ m. , 2017, , .		2
121	Diode-pumped cryogenic Yb:KLu(WO ₄) ₂ laser. , 2017, , .		0
122	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μ m. , 2017, , .		0
123	Holmium thin-disk laser at 2056 nm based on Ho:KYW/KYW epitaxy. , 2017, , .		0
124	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
125	Femtosecond laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. , 2017, , .		0
126	Mid-infrared sensing waveguides embedded in silica glass: Detection of water phase and ice microstructure in harsh-environments. , 2017, , .		0

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127	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
128	Crystal growth, optical spectroscopy and laser action of Tm ³⁺ -doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	1.7	36
129	Low-loss 3D-laser-written mid-infrared LiNbO ₃ depressed-index cladding waveguides for both TE and TM polarizations. Optics Express, 2017, 25, 3722.	1.7	21
130	Continuous-wave and passively Q-switched cryogenic Yb:KLu(WO ₄) ₂ laser. Optics Express, 2017, 25, 25886.	1.7	4
131	Disordered Tm:Ca ₉ La(VO ₄) ₇ : a novel crystal with potential for broadband tunable lasing. Optical Materials Express, 2017, 7, 484.	1.6	12
132	Highly-efficient laser operation of a novel trigonal silicate crystal Yb ³⁺ :Ca ₃ NbGa ₃ Si ₂₀ O ₁₄ . Optical Materials Express, 2017, 7, 3626.	1.6	16
133	Synthesis, spectroscopy, and efficient laser operation of mixed sesquioxide Tm:(Lu,Sc) ₂₀ O ₃ transparent ceramics. Optical Materials Express, 2017, 7, 4192.	1.6	45
134	Femtosecond-laser-written hexagonal cladding waveguide in Tm:KLu(WO ₄) ₂ : Raman study and laser operation. Optical Materials Express, 2017, 7, 4258.	1.6	22
135	Monoclinic Tm ³⁺ :MgWO ₄ : a promising crystal for continuous-wave and passively Q-switched lasers at 1.4 μm. Optics Letters, 2017, 42, 1177.	1.7	17
136	Graphene Q-switched Er,Yb:GdAl ₃ (BO ₃) ₄ laser at 1550 nm. Applied Optics, 2017, 56, 4745.	2.1	8
137	Monoclinic Tm ³⁺ :MgWO ₄ : A novel efficient laser emitting above 2 μm. , 2017, , .		0
138	Femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. Optics Letters, 2017, 42, 1169.	1.7	43
139	Inkjet-Printing of Graphene Saturable Absorbers for ~2 μm Bulk and Waveguide Lasers. , 2017, , .		2
140	Microchip Yb:CaLnAlO ₄ lasers with up to 91% slope efficiency. Optics Letters, 2017, 42, 2431.	1.7	57
141	Tm:KY(WO ₄) ₂ Planar Waveguide Laser Q-switched by Single-Walled Carbon Nanotubes. , 2017, , .		0
142	Power Scaling and Thermo-Optics of Ho:KY(WO ₄) ₂ Thin-Disk Lasers: Effect of Ho ³⁺ Concentration. , 2017, , .		1
143	Growth, Spectroscopy and Laser Operation of Tm-doped Monoclinic Magnesium Tungstate (Tm:MgWO ₄). , 2017, , .		0
144	Growth, Spectroscopy and Laser Operation of Novel Mixed Vanadate Crystals Yb:Lu _{1-x} Y _x LaVO ₄ . , 2017, , .		0

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145	Vibronic thulium laser at 2131 nm Q-switched by single-walled carbon nanotubes. Journal of the Optical Society of America B: Optical Physics, 2016, 33, D19.	0.9	45
146	MoS ₂ saturable absorber for passive Q-switching of Yb and Tm microchip lasers. Optical Materials Express, 2016, 6, 3262.	1.6	43
147	Refined Orientation of the Optical Axes as a Function of Wavelength in Monoclinic Double Tungstates. , 2016, , .		0
148	Microchip laser operation of Yb-doped gallium garnets. Optical Materials Express, 2016, 6, 46.	1.6	31
149	Sub-nanosecond Yb:KLu(WO ₄) ₂ microchip laser. Optics Letters, 2016, 41, 2620.	1.7	29
150	Mid-infrared surface plasmon polariton chemical sensing on fiber-coupled ITO coated glass. Optics Letters, 2016, 41, 2493.	1.7	25
151	Q-switching of Yb:YGG, Yb:LuGG and Yb:CNGG lasers by a graphene saturable absorber. Optical and Quantum Electronics, 2016, 48, 1.	1.5	12
152	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO ₄ crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
153	Passive Q-switching of a Tm,Ho:KLu(WO ₄) ₂ microchip laser by a Cr:ZnS saturable absorber. Applied Optics, 2016, 55, 3757.	2.1	14
154	Passive Q-switching of Yb bulk lasers by a graphene saturable absorber. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	14
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156	Tm,Ho:KY(WO ₄) ₂ planar waveguide laser. Laser Physics Letters, 2016, 13, 095801.	0.6	6
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