

Francesc DÃ-az

List of Publications by Year in descending order

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507
papers

8,958
citations

61687

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513
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513
docs citations

513
times ranked

5230
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	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
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	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
6	Stoichiometric dependence and laser heating effect on the luminescence thermometric performance of Er ³⁺ , Yb ³⁺ : Y ₂ GdWVO ₄ microparticles in the non-saturation regime. Materials Research Bulletin, 2022, 151, 111801.	2.7	4
7	Growth, structure, and polarized spectroscopy of monoclinic Er ³⁺ :MgWO ₄ crystal. Optical Materials Express, 2022, 12, 2028.	1.6	3
8	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
9	Disordered Tm ³⁺ ,Ho ³⁺ -codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at $\lambda = 2\mu\text{m}$. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
10	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
11	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
12	Monoclinic zinc monotonungstate Yb ³⁺ ,Li ⁺ :ZnWO ₄ : Part II. Polarized spectroscopy and laser operation. Journal of Luminescence, 2021, 231, 117811.	1.5	5
13	Synthesis of monoclinic Ho,Tm:KLu(WO ₄) ₂ microrods with high photothermal conversion efficiency <i>via</i> a thermal decomposition-assisted method. Journal of Materials Chemistry C, 2021, 9, 2024-2036.	2.7	6
14	Lanthanide doped luminescence nanothermometers in the biological windows: strategies and applications. Nanoscale, 2021, 13, 7913-7987.	2.8	121
15	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
16	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
17	Spectroscopy and laser operation of highly-doped 10 μm Yb:(Lu,Sc) ₂ O ₃ ceramics. Optical Materials, 2021, 117, 111128.	1.7	9
18	Tm ³⁺ -doped calcium lithium tantalum gallium garnet (Tm:CLTGG): novel laser crystal. Optical Materials Express, 2021, 11, 2938.	1.6	3

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19	Spectroscopy and efficient laser operation around 2.8 μm of Er:(Lu,Sc) $_2\text{O}_3$ sesquioxide ceramics. Journal of Luminescence, 2021, 240, 118373.	1.5	14
20	Tm ³⁺ and Ho ³⁺ colasing in in-band pumped waveguides fabricated by femtosecond laser writing. Optics Letters, 2021, 46, 122.	1.7	7
21	Adjustable Pulsed Operation from Q-switching to CW Mode-locking in a Yb:KLuW Waveguide Laser. , 2021, , .		0
22	Tailoring Wettability Properties of GaN Epitaxial Layers through Surface Porosity Induced during CVD Deposition. Langmuir, 2021, 37, 14622-14627.	1.6	4
23	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
24	Fluorite-type Tm ³⁺ :KY $_3$ F $_{10}$: A promising crystal for watt-level lasers at 1.9 μm . Journal of Alloys and Compounds, 2020, 813, 152176.	2.8	23
25	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
26	Ultrafast Laser Inscription and 1.42 μm Laser Operation of Y-Branch Splitters in Monoclinic Crystals. Journal of Lightwave Technology, 2020, 38, 4374-4384.	2.7	7
27	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
28	Raman Laser Spectrometer: Application to $^{12}\text{C}/^{13}\text{C}$ Isotope Identification in CH $_4$ and CO $_2$ Greenhouse Gases. Applied Sciences (Switzerland), 2020, 10, 7473.	1.3	14
29	Watt-level ultrafast laser inscribed thulium waveguide lasers. Progress in Quantum Electronics, 2020, 72, 100266.	3.5	14
30	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
31	Spectroscopy and diode-pumped continuous-wave laser operation of Tm:Y $_2\text{O}_3$ transparent ceramic at cryogenic temperatures. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	10
32	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
33	Study of Local Inertial Focusing Conditions for Spherical Particles in Asymmetric Serpentes. Fluids, 2020, 5, 1.	0.8	21
34	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
35	Ultrafast laser inscribed waveguide lasers in Tm:CALGO with depressed-index cladding. Optics Express, 2020, 28, 3528.	1.7	6
36	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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37	Spectroscopy and high-power laser operation of a monoclinic Yb ³⁺ :MgWO ₄ crystal. Optics Letters, 2020, 45, 1770.	1.7	10
38	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
39	Carbon nanotube Q-switched Yb:KLuW surface channel waveguide lasers. Optics Letters, 2020, 45, 216.	1.7	15
40	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
41	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
42	Laser operation of cleaved single-crystal plates and films of Tm:KY(MoO ₄) ₂ . Optics Express, 2020, 28, 9039.	1.7	6
43	Spectroscopy and efficient laser operation of cleaving Yb:KY(MoO ₄) ₂ crystal. Optical Materials Express, 2020, 10, 2356.	1.6	5
44	Near-Infrared Femtosecond Direct Laser Written Waveguide Lasers [Invited]. , 2020, , .		0
45	Spectroscopic Study and First Laser Operation of Monoclinic Yb ³⁺ :Li ⁺ :ZnWO ₄ Crystal. , 2020, , .		0
46	Novel Molybdate Laser Crystal with a Layered Structure: Orthorombic Er ³⁺ :KY(MoO ₄) ₂ . , 2020, , .		0
47	Investigation of antireflective and hydrophobic properties in polycrystalline GaN films with dual porosity produced by CVD. Scientific Reports, 2019, 9, 11686.	1.6	5
48	Ultrafast Laser Inscription and Laser Operation of Y-Branch Splitters in Monoclinic Thulium-Doped Crystals. , 2019, , .		0
49	Plasmon-induced dual-wavelength operation in a Yb ³⁺ laser. Light: Science and Applications, 2019, 8, 14.	7.7	20
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	Ytterbium calcium fluoride waveguide laser. Optics Express, 2019, 27, 12647.	1.7	15
52	Spectroscopy, Continuous-Wave and Passively Q-Switched Laser Operation of Transparent Tm:LuAG Ceramics. , 2019, , .		0
53	Femtosecond-Laser-Written Waveguide Lasers at 1/2 μm. , 2019, , .		0
54	Yb:KLuW Channel Waveguide Lasers Passively Q-Switched by Evanescent-Field Interaction with Carbon Nanotubes. , 2019, , .		1

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55	Growth, Spectroscopy and Laser Operation of Tm,Ho:CNGG: A Promising Disordered Crystal for Mode-Locked Lasers. , 2019, , .		0
56	Spectroscopy of Tm:Y2O3 Transparent Ceramic at Cryogenic Temperatures. , 2019, , .		0
57	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
58	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS ₂ . Optics Express, 2019, 27, 8745.	1.7	20
59	“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
60	Diamond saw dicing of thulium channel waveguide lasers in monoclinic crystalline films. Optics Letters, 2019, 44, 1596.	1.7	9
61	Femtosecond-laser-written Ho:KGd(WO ₄) ₂ waveguide laser at 21 Åµm. Optics Letters, 2019, 44, 1738.	1.7	17
62	Spectroscopy and High-Power Laser Operation of Monoclinic Yb ³⁺ :MgWO ₄ crystal. , 2019, , .		0
63	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu ₃ Al ₅ O ₁₂ Transparent Ceramics. , 2019, , .		0
64	Watt-Level fs-Laser-Written Thulium Waveguide Lasers. , 2019, , .		0
65	Laser Operation of Cleaved Single-Crystal Plates and Films of Tm:KY(MoO ₄) ₂ . , 2019, , .		0
66	Laser operation of Nd ³⁺ -doped silicates (Gd,Y)2SiO ₅ , (Lu,Y)2SiO ₅ and Lu ₂ SiO ₅ at ~1.36 Åµm. , 2019, , .		0
67	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
68	Upconversion thermometry: a new tool to measure the thermal resistance of nanoparticles. Nanoscale, 2018, 10, 6602-6610.	2.8	139
69	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
70	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
71	Luminescent nanothermometry using short-wavelength infrared light. Journal of Alloys and Compounds, 2018, 746, 710-719.	2.8	30
72	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

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73	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
74	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
75	Passive Q switching of Yb:CNLS lasers by Cr ⁴⁺ :YAG and V ³⁺ :YAG saturable absorbers. Applied Optics, 2018, 57, 8236.	0.9	2
76	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
77	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
78	Efficient diode-pumped Er:KLu(WO ₄) ₂ laser at $\lambda = 1610$ nm. Optics Letters, 2018, 43, 218.	1.7	6
79	Tm:KY ₃ -x-yGd ₂ Luy(WO ₄) ₂ planar waveguide laser passively Q-switched by single-walled carbon nanotubes. Optics Express, 2018, 26, 4961.	1.7	14
80	Ho:KY(WO ₄) ₂ thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	1.7	5
81	Growth, spectroscopy, and laser operation of ϵ -mixed vanadate crystals Yb:Lu _{1-x} YxLayVO ₄ . Optical Materials Express, 2018, 8, 493.	1.6	8
82	Thermo-optic effects in Ho:KY(WO ₄) ₂ thin-disk lasers. Optical Materials Express, 2018, 8, 684.	1.6	7
83	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
84	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
85	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
86	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at $\sim 2 \mu\text{m}$ in Monoclinic Tm:MgWO ₄ . , 2018, , .		0
87	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
88	Efficient continuous-wave in-band pumped Nd:KY(MoO ₄) ₂ laser. Laser Physics Letters, 2018, 15, 065002.	0.6	7
89	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
90	Synthesis, spectroscopic characterization and laser operation of Ho ³⁺ in ϵ -mixed (Lu,Sc) ₂ O ₃ ceramics. Journal of Luminescence, 2018, 203, 145-151.	1.5	19

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91	Expanding luminescence thermometry detection range to the SWIR for biomedical applications. , 2018, , .		2
92	Growth, Characterization and Laser Operation of Tm ³⁺ , Na ⁺ codoped CNGG (Tm:CNNGG) Disordered Garnet. , 2018, , .		1
93	Fs-laser-written erbium-doped double tungstate waveguide laser. Optics Express, 2018, 26, 30826.	1.7	9
94	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
95	Growth, spectroscopy and laser operation of "mixed" Tm:Ca(Gd,Lu)AlO ₄ " A novel crystal for mode-locked lasers. , 2018, , .		0
96	Dual-wavelength Nd:CaLnAlO ₄ lasers at 1.365 and 1.390 Åµm. , 2018, , .		0
97	Tm:GdVO ₄ microchip laser Q-switched by a Sb ₂ Te ₃ topological insulator. , 2018, , .		0
98	Passive Q-switching of femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers by graphene and MoS ₂ saturable absorbers. , 2018, , .		0
99	Highly-efficient Ho:KY(WO ₄) ₂ thin-disk lasers at 2.06 Åµm. , 2018, , .		0
100	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
101	Multi-watt passively Q-switched Yb:YAB/Cr:YAG microchip lasers. Proceedings of SPIE, 2017, , .	0.8	2
102	Graphene Q-switched Tm:KY(WO ₄) ₂ waveguide laser. Laser Physics, 2017, 27, 045801.	0.6	13
103	Spectroscopy and laser operation of Indium-modified Yb:KLuW: a promising crystal for femtosecond lasers. , 2017, , .		0
104	Luminescence quenching in KYb(WO ₄) ₂ -Tb ³⁺ : An example of temperature-pressure equivalence. Journal of Luminescence, 2017, 191, 18-21.	1.5	10
105	Pressure-induced luminescence quenching in KY(WO ₄) ₂ :Pr ³⁺ . Optical Materials, 2017, 74, 41-45.	1.7	5
106	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
107	Optofluidic device for the quantification of circulating tumor cells in breast cancer. Scientific Reports, 2017, 7, 3677.	1.6	23
108	Harsh "Environment" Resistant OH "Vibrations" Sensitive Mid "Infrared Water" Ice Photonic Sensor. Advanced Materials Technologies, 2017, 2, 1700085.	3.0	10

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109	Highly-efficient multi-watt Yb:CaLnAlO ₄ microchip lasers. , 2017, , .		2
110	Efficient Micro-Lasers Based on Highly Doped Monoclinic Double Tungstates. IEEE Journal of Quantum Electronics, 2017, 53, 1-10.	1.0	15
111	Modelling of graphene Q-switched Tm lasers. Optics Communications, 2017, 389, 15-22.	1.0	36
112	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
113	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 Åµm. Laser Physics Letters, 2017, 14, 095801.	0.6	8
114	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
115	(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
116	Microfluidic device with dual-channel fluorecence acquisition for quantification/identification of cancer cells. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	3
117	Optical and structural characterisation of epitaxial nanoporous GaN grown by CVD. Nanotechnology, 2017, 28, 375701.	1.3	7
118	Immunosensing by luminescence reduction in surface-modified microstructured SU-8. Applied Surface Science, 2017, 392, 883-888.	3.1	5
119	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
120	Indium-modified Yb:KLu(WO ₄) ₂ crystal: Growth, spectroscopy and laser operation. Journal of Luminescence, 2017, 183, 391-400.	1.5	6
121	Europium doping in monoclinic KYb(WO ₄) ₂ crystal. Journal of Luminescence, 2017, 183, 217-225.	1.5	7
122	Oriented ZnO nanorods: A novel saturable absorber for lasers at 1 Åµm. , 2017, , .		2
123	Diode-pumped cryogenic Yb:KLu(WO ₄) ₂ laser. , 2017, , .		0
124	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 Åµm. , 2017, , .		0
125	Holmium thin-disk laser at 2056 nm based on Ho:KYW/KYW epitaxy. , 2017, , .		0
126	Growth, spectroscopy and highly-efficient laser operation of a novel trigonal silicate crystal Åµm” Yb ³⁺ :Ca³NbGa³Si²O¹². , 2017, , .		0

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127	Femtosecond laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. , 2017, , .		0
128	Mid-infrared sensing waveguides embedded in silica glass: Detection of water phase and ice microstructure in harsh-environments. , 2017, , .		0
129	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
130	Crystal growth, optical spectroscopy and laser action of Tm ³⁺ -doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	1.7	36
131	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
132	Continuous-wave and passively Q-switched cryogenic Yb:KLu(WO ₄) ₂ laser. Optics Express, 2017, 25, 25886.	1.7	4
133	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
134	Direct confocal lifetime measurements on rare-earth-doped media exhibiting radiation trapping. Optical Materials Express, 2017, 7, 527.	1.6	10
135	Highly-efficient laser operation of a novel trigonal silicate crystal Yb ³⁺ :Ca ₃ NbGa ₃ Si ₂ O ₁₄ . Optical Materials Express, 2017, 7, 3626.	1.6	16
136	Synthesis, spectroscopy, and efficient laser operation of "mixed" sesquioxide Tm:(Lu,Sc) ₂ O ₃ transparent ceramics. Optical Materials Express, 2017, 7, 4192.	1.6	45
137	Femtosecond-laser-written hexagonal cladding waveguide in Tm:KLu(WO ₄) ₂ : Åµ-Raman study and laser operation. Optical Materials Express, 2017, 7, 4258.	1.6	22
138	Monoclinic Tm ³⁺ :MgWO ₄ : a promising crystal for continuous-wave and passively Q-switched lasers at 1/4m. Optics Letters, 2017, 42, 1177.	1.7	17
139	Graphene Q-switched Er,Yb:GdAl ₃ (BO ₃) ₄ laser at 1550nm. Applied Optics, 2017, 56, 4745.	2.1	8
140	Monoclinic Tm ³⁺ :MgWO ₄ : " A novel efficient laser emitting above 2 1/4m. , 2017, , .		0
141	Femtosecond-laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. Optics Letters, 2017, 42, 1169.	1.7	43
142	Inkjet-Printing of Graphene Saturable Absorbers for ~2 Åµm Bulk and Waveguide Lasers. , 2017, , .		2
143	Microchip Yb:CaLnAlO ₄ lasers with up to 91% slope efficiency. Optics Letters, 2017, 42, 2431.	1.7	57
144	Tm:KY(WO ₄) ₂ Planar Waveguide Laser Q-switched by Single-Walled Carbon Nanotubes. , 2017, , .		0

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145	Power Scaling and Thermo-Optics of Ho:KY(WO ₄) ₂ Thin-Disk Lasers: Effect of Ho ³⁺ Concentration. , 2017, , .		1
146	Growth, Spectroscopy and Laser Operation of Tm-doped Monoclinic Magnesium Tungstate (Tm:MgWO ₄). , 2017, , .		0
147	Growth, Spectroscopy and Laser Operation of Novel "Mixed" Vanadate Crystals Yb:Lu _{1-x} Y _x LaVO ₄ . , 2017, , .		0
148	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
149	Temperature-dependent absorption and emission of potassium double tungstates with high ytterbium content. Optics Express, 2016, 24, 26825.	1.7	21
150	MoS ₂ saturable absorber for passive Q-switching of Yb and Tm microchip lasers. Optical Materials Express, 2016, 6, 3262.	1.6	43
151	Refined Orientation of the Optical Axes as a Function of Wavelength in Monoclinic Double Tungstates. , 2016, , .		0
152	Microchip laser operation of Yb-doped gallium garnets. Optical Materials Express, 2016, 6, 46.	1.6	31
153	Sub-nanosecond Yb:KLu(WO ₄) ₂ microchip laser. Optics Letters, 2016, 41, 2620.	1.7	29
154	Mid-infrared surface plasmon polariton chemical sensing on fiber-coupled ITO coated glass. Optics Letters, 2016, 41, 2493.	1.7	25
155	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
156	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO ₄ crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
157	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
158	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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