Magdalena AguilÃ³

List of Publications by Year
in descending order

499 papers	8,789 citations	66250 44 h-index	100535 70 g-index
514 all docs	514 docs citations	514 times ranked	5291 citing authors

#	Article	IF	Citations
1	Structure and luminescent properties of Dy3+ activated NaLa9(SiO4)6O2 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)AlO4 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 Ho3+, Tm3+:Y2O3 colloidal nanocrystals. Journal of Luminescence, 2022, 247, 118854.	1.5	3
5	Stoichiometric dependence and laser heating effect on the luminescence thermometric performance of Er3+, Yb3+: YuGdwVO4 microparticles in the non-saturation regime. Materials Research Bulletin, 2022, 151, 111801.	2.7	4
6	Growth, structure, and polarized spectroscopy of monoclinic Er³⁺:MgWO₄ crystal. Optical Materials Express, 2022, 12, 2028.	1.6	3
7	Excitation power density dependence of a primary luminescent thermometer based on Er3+, Yb3+: GdVO4 microcrystals operating in the visible. Journal of Alloys and Compounds, 2022, 921, 166020.	2.8	12
8	Disordered Tm3+,Ho3+-codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at â¼2ÂÎ¼m. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
9	Growth, spectroscopy and laser operation of monoclinic Nd:CsGd(MoO4)2 crystal with a layered structure. Journal of Luminescence, 2021, 231, 117793.	1.5	8
10	Comparative study of Yb:Lu3Al5O12 and Yb:Lu2O3 laser ceramics produced from laser-ablated nanopowders. Ceramics International, 2021, 47, 6633-6642.	2.3	9
11	Monoclinic zinc monotungstate Yb3+,Li+:ZnWO4: Part II. Polarized spectroscopy and laser operation. Journal of Luminescence, 2021, 231, 117811.	1.5	5
12	Synthesis of monoclinic Ho,Tm:KLu(WO₄)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 2.3â€‰â€‰Âµm 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(WO4)2 Nanoparticles on Their Self-Assessed Photothermal Properties. Nanomaterials, 2021, 11, 485.	1.9	5
16	Spectroscopy and laser operation of highly-doped 10Âat.% Yb:(Lu,Sc)2O3 ceramics. Optical Materials, 2021, 117, 111128.	1.7	9
17	Tm3+-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 2.8ÂÎ¼m of Er:(Lu,Sc)2O3 sesquioxide ceramics. Journal of Luminescence, 2021, 240, 118373.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Tm³⁺ and Ho³⁺ 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 Er3+-doped and Er3+, Yb3+ co-doped GdVO4 microparticles in the non-saturation regime. Journal of Alloys and Compounds, 2020, 814, 152197.	2.8	49
23	Fluorite-type Tm3+:KY3F10: A promising crystal for watt-level lasers at âˆ¼1.9â€Î¼m. Journal of Alloys and Compounds, 2020, 813, 152176.	2.8	23
24	Short-wavelength infrared self-assessed photothermal agents based on Ho,Tm:KLu(WO₄)₂ nanocrystals operating in the third biological window (1.45â€“1.96 Î¼m wavelength range). Journal of Materials Chemistry C, 2020, 8, 180-191.	2.7	23
25	Ultrafast Laser Inscription and âˆ¼2 Î¼m Laser Operation of Y-Branch Splitters in Monoclinic Crystals. Journal of Lightwave Technology, 2020, 38, 4374-4384.	2.7	7
26	Monoclinic zinc monotungstate Yb3+,Li+:ZnWO4: Part I. Czochralski growth, structure refinement and Raman spectra. Journal of Luminescence, 2020, 228, 117601.	1.5	9
27	Raman Laser Spectrometer: Application to 12C/13C Isotope Identification in CH4 and CO2 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 Tm3+,Yb3+:GdVO4@SiO2 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:Y2O3 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 Ce3+- and Pr3+-doped KGd(PO3)4 single crystals. Journal of Luminescence, 2020, 225, 117339.	1.5	3
32	Study of Local Inertial Focusing Conditions for Spherical Particles in Asymmetric Serpentines. Fluids, 2020, 5, 1.	0.8	21
33	Single crystal growth, optical absorption and luminescence properties under VUV-UV synchrotron excitation of type III Pr3+:KGd(PO3)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:Lu₃Al₅O₁₂ ceramics produced by solid-state sintering. Optics Express, 2020, 28, 28399.	1.7	6
36	Spectroscopy and high-power laser operation of a monoclinic Yb³⁺:MgWO₄ crystal. Optics Letters, 2020, 45, 1770.	1.7	10

#	Article	IF	Citations
37	Low-loss fs-laser-written surface waveguide lasers at >2â€‰â€‰Âµm in monoclinic Tm3+:MgWO4. 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(PO3)4 crystal. EPJ Web of Conferences, 2020, 243, 12002.	0.1	0
41	Laser operation of cleaved single-crystal plates and films of Tm:KY(MoO₄)₂. Optics Express, 2020, 28, 9039.	1.7	6
42	Spectroscopy and efficient laser operation of cleaving Yb:KY(MoO4)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 Yb3+,Li+:ZnWO4 Crystal. , 2020, , .		0
45	Novel Molybdate Laser Crystal with a Layered Structure: Orthorombic Er3+:KY(MoO4)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(WO4)2/SiO2 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 NaTiOPO₄ 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 Ho3+:MgWO4 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:NaYF4 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 â¼2 Î¼m. , 2019, , .		0

#	Article	IF	Citations
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 MoS₂. Optics Express, 2019, 27, 8745.	1.7	20
60	â€œMixedâ€•Tm:Ca(Gd,Lu)AlO₄ â€” a novel crystal for tunable and mode-locked 2 Âµm 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(WO₄)₂ waveguide laser at 21â€‰â€‰Î¼m. Optics Letters, 2019, 44, 1738.	1.7	17
63	Spectroscopy and High-Power Laser Operation of Monoclinic Yb3+:MgWO4 crystal. , 2019, , .		0
64	Synthesis, Spectroscopy and Efficient Laser Operation of Tm:Lu3Al5O12 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(MoO4)2. , 2019, , .		0
67	Laser operation of Nd3+-doped silicates (Gd,Y)2SiO5, (Lu,Y)2SiO5 and Lu2SiO5 at ~1.36 Î¼m. , 2019, , .		0
68	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.	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:Ca3NbGa3Si2O14. Journal of Luminescence, 2018, 197, 90-97.	1.5	9
71	Spectroscopy of Tb3+ ions in monoclinic KLu(WO4)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

#	Article	IF	Citations
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(PO3)4Nanocrystals. 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 Serpentines. Fluids, 2018, 3, 62.	0.8	12
76	Passive Q switching of Yb:CNGS lasers by Cr⁴⁺:YAG and V³⁺:YAG saturable absorbers. Applied Optics, 2018, 57, 8236.	0.9	2
77	Crystal growth and properties of the disordered crystal Yb:SrLaAlO₄: a promising candidate for high-power ultrashort pulse lasers. CrystEngComm, 2018, 20, 3388-3395.	1.3	19
78	Monoclinic Tm:MgWO4 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 âˆ¼161â€‰â€‰Î¼m. Optics Letters, 2018, 43, 218.	1.7	6
80	Tm:KY₁-x-yGdxLuy(WO₄)₂ planar waveguide laser passively Q-switched by single-walled carbon nanotubes. Optics Express, 2018, 26, 4961.	1.7	14
81	Ho:KY(WO₄)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 â€œmixedâ€•vanadate crystals Yb:Lu₁₋x-yYxLayVO₄. Optical Materials Express, 2018, 8, 493.	1.6	8
83	Thermo-optic effects in Ho:KY(WO4)2 thin-disk lasers. Optical Materials Express, 2018, 8, 684.	1.6	7
84	Sb2Te3 thin film for the passive Q-switching of a Tm:GdVO4 laser. Optical Materials Express, 2018, 8, 1723.	1.6	24
85	Comparative study of the spectroscopic and laser properties of Tm³⁺, Na⁺(Li⁺)-codoped Ca₃Nb₁₅Ga₃₅O₁₂-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 Ce3+:KGd(PO3)4, a promising scintillator material. Scientific Reports, 2018, 8, 11002.	1.6	9
87	Highly-Efficient Femtosecond-Laser-Written Waveguide Lasers at ~2 Âµm in Monoclinic Tm:MgWO4. , 2018, , .		0
88	Crystal growth, spectroscopy and first laser operation of a novel disordered tetragonal Tm:Na2La4(WO4)7 tungstate crystal. Journal of Luminescence, 2018, 203, 676-682.	1.5	10
89	Efficient continuous-wave in-band pumped Nd:KY(MoO₄)₂ laser. Laser Physics Letters, 2018, 15, 065002.	0.6	7
90	Inkjet-printing of graphene saturable absorbers for ~2 Î¼m bulk and waveguide lasers. Optical Materials Express, 2018, 8, 2803.	1.6	7

#	Article	IF	Citations
91	Synthesis, spectroscopic characterization and laser operation of Ho3+ in â€œmixedâ€•(Lu,Sc)2O3 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 Tm3+, 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 â€œmixedâ€•Tm:Ca(Gd,Lu)AlO4 â€“ A novel crystal for mode-locked lasers. , 2018, , .		0
97	Dual-wavelength Nd:CaLnAlO4 lasers at 1.365 and 1.390 Âµm. , 2018, , .		0
98	Tm:GdVO4 microchip laser Q-switched by a Sb2Te3 topological insulator. , 2018, , .		0
99	Passive Q-switching of femtosecond-laser-written Tm:KLu(WO4)2 waveguide lasers by graphene and MoS2 saturable absorbers. , 2018, , .		0
100	Highly-efficient Ho:KY(WO4)2 thin-disk lasers at 2.06 Âµm. , 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(WO₄)₂waveguide 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 Tb3+ ions in monoclinic KYb(WO4)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	Harshâ€Environmentâ€Resistant OHâ€Vibrationsâ€Sensitive Midâ€Infrared Waterâ€Ice Photonic Sensor. Advanced Materials Technologies, 2017, 2, 1700085.	3.0	10
108	Highly-efficient multi-watt Yb:CaLnAlO4 microchip lasers. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
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 inQ-switched solid-state lasers at 2Âµm. Laser Physics Letters, 2017, 14, 095801.	0.6	8
113	Anisotropic enhancement of Yb³⁺ luminescence by disordered plasmonic networks self-assembled on RbTiOPO₄ 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 1â€“2 Î¼m. , 2017, , .		2
121	Diode-pumped cryogenic Yb:KLu(WO<inf>4</inf>)<inf>2</inf> laser. , 2017, , .		0
122	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 Î¼m. , 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 â€” Yb³⁺:Ca<inf>3</inf>NbGa<inf>3</inf>Si<inf>2</inf>O<inf>12</inf>. , 2017, , .		0
125	Femtosecond laser-written Tm:KLu(WO4)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

#	Article	IF	Citations
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_9La(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_3NbGa_3Si_2O_14. Optical Materials Express, 2017, 7, 3626.	1.6	16
133	Synthesis, spectroscopy, and efficient laser operation of â€œmixedâ€•sesquioxide Tm:(Lu,Sc)_2O_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: Âµ-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 â^¼2â€‰â€‰Î¼m. Optics Letters, 2017, 42, 1177.	1.7	17
136	Graphene Q-switched Er,Yb:GdAl_3(BO_3)_4 laser at 1550â€‰â€‰nm. Applied Optics, 2017, 56, 4745.	2.1	8
137	Monoclinic Tm³⁺:MgWO<inf>4</inf> â€” A novel efficient laser emitting above 2 Î¼m. , 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 Âµm 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(WO4)2 Planar Waveguide Laser Q-switched by Single-Walled Carbon Nanotubes. , 2017, , .		0
142	Power Scaling and Thermo-Optics of Ho:KY(WO4)2 Thin-Disk Lasers: Effect of Ho3+ Concentration. , 2017, , .		1
143	Growth, Spectroscopy and Laser Operation of Tm-doped Monoclinic Magnesium Tungstate (Tm:MgWO4). , 2017, , .		0
144	Growth, Spectroscopy and Laser Operation of Novel â€œMixedâ€•Vanadate Crystals Yb:Lu1-x-yYxLayVO4. , 2017, , .		0

#	Article	IF	Citations
145	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.	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
155	Metal Decorated WO₃ Nanoneedles Fabricated by Aerosol Assisted Chemical Vapor Deposition for Optical Gas Sensing. Journal of Nanoscience and Nanotechnology, 2016, 16, 10125-10132.	0.9	8
156	Tm,Ho:KY(WO₄)₂planar waveguide laser. Laser Physics Letters, 2016, 13, 095801.	0.6	6
157	Refined orientation of the optical axes as a function of wavelength in three monoclinic double tungstate crystals KRE(WO_4)_2 (RE = Gd, Y or Lu). Optical Materials Express, 2016, 6, 2984.	1.6	16
158	Juddâ€“Ofelt modeling, stimulated-emission cross-sections and non-radiative relaxation in Er3+:K2YF5 crystals. Journal of Luminescence, 2016, 180, 103-110.	1.5	20
159	Heuristic modelling of laser written mid-infrared LiNbO_3 stressed-cladding waveguides. Optics Express, 2016, 24, 7777.	1.7	31
160	Novel low-cost, compact and fast signal processing sensor for ratiometric luminescent nanothermometry. Sensors and Actuators A: Physical, 2016, 250, 87-95.	2.0	37
161	Luminescence thermometry and imaging in the second biological window at high penetration depth with Nd:KGd(WO₄)₂ nanoparticles. Journal of Materials Chemistry C, 2016, 4, 7397-7405.	2.7	59
162	Thiol-capped CdTe quantum dots hosted in saponites. RSC Advances, 2016, 6, 104793-104798.	1.7	5

#	ARTICLE	IF	CITATIONS
163	Thermochromic upconversion nanoparticles for visual temperature sensors with high thermal, spatial and temporal resolution. Journal of Materials Chemistry C, 2016, 4, 6602-6613.	2.7	65
164	Thermal Lensing and Multiwatt Microchip Laser Operation of Yb:YCOB Crystals. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	40
165	Fabrication of optical waveguides in RbTiOPO₄single crystals by using different techniques. Proceedings of SPIE, 2016, , .	0.8	2
166	Temperature-dependent spectroscopy and microchip laser operation of Nd:KGd(WO4)2. Optical Materials, 2016, 58, 365-372.	1.7	11
167	Growth, spectroscopy and laser operation of Ho:KY(WO 4) 2. Journal of Luminescence, 2016, 179, 50-58.	1.5	26
168	New strategies invonving upconverting nanoparticles for determining moderate temperatures by luminescence thermometry. Journal of Luminescence, 2016, 169, 711-716.	1.5	22
169	Determination of photothermal conversion efficiency of graphene and graphene oxide through an integrating sphere method. Carbon, 2016, 103, 134-141.	5.4	113
170	Benefits of Silica Coreâ€“Shell Structures on the Temperature Sensing Properties of Er,Yb:GdVO₄ Up-Conversion Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 7266-7273.	4.0	136
171	Q-switching of a Tm,Ho:KLu(WO4)2microchip laser by a graphene-based saturable absorber. Laser Physics Letters, 2016, 13, 025801.	0.6	10
172	Spectroscopic and laser characterization of Yb,Tm:KLu(WO4)2 crystal. Optical Materials, 2016, 51, 223-231.	1.7	6
173	MoS2 Saturable Absorber for Passive Q-Switching of Yb and Tm Microchip Lasers. , 2016, , .		1
174	Sub-100 ns Tm:KLuW and Ho:KLuW Lasers Passively Q-switched with SWCNTs. , 2016, , .		0
175	Graphene Q-Switched Er, Yb:GdAl3(BO3)4 Laser at 1550 nm. , 2016, , .		0
176	Vibronic Thulium Laser at 2131 nm Q-switched by Single-Walled Carbon Nanotubes. , 2016, , .		4
177	Fabrication of Y-Splitters and Mach–Zehnder Structures on (Yb,Nb):RbTiOPO<inline-formula><tex-math> $_{f 4}$</tex-math></inline-formula>/RbTiOPO<inline-formula><tex-math>$_{f 4}$</tex-math></inline-formula> Epitaxial Layers by Reactive Ion Etching. Journal of Lightwave Technology, 2015, 33, 1863-1871.	2.7	18
178	Channel waveguide fabrication in KY(WO4)2 combining liquid-phase-epitaxy and beam-multiplexed femtosecond laser writing. Optical Materials, 2015, 47, 304-309.	1.7	7
179	Ho:KLu(WO₄)₂ Microchip Laser Q-Switched by a PbS Quantum-Dot-Doped Glass. IEEE Photonics Technology Letters, 2015, 27, 1795-1798.	1.3	5
180	Q-switching of Yb:KLu(WO<inf>4</inf>)<inf>2</inf> lasers with graphene saturable absorbers. , 2015, , .		0

#	Article	IF	Citations
181	Subnanosecond Tm:KLuW microchip laser Q-switched by a Cr:ZnS saturable absorber. Optics Letters, 2015, 40, 5220.	1.7	31
182	Tm, Ho:KLu(WO<inf>4</inf>)<inf>2</inf> microchip laser Q-switched by a Cr²⁺:ZnS saturable absorber. , 2015, , .		0
183	Intracavity-pumped Ho:KLu(WO<inf>4</inf>)<inf>2</inf> microchip laser at 2.1 μm. , 2015, , .		0
184	3D laser-written silica glass step-index high-contrast waveguides for the 35â€‰â€‰Î¼m mid-infrared range. Optics Letters, 2015, 40, 5818.	1.7	17
185	Fluorescence imaging of lattice re-distribution on step-index direct laser written Nd:YAG waveguide lasers. Journal of Applied Physics, 2015, 117, 023112.	1.1	0
186	Ho,Yb:KLu(WO₄)₂ Nanoparticles: A Versatile Material for Multiple Thermal Sensing Purposes by Luminescent Thermometry. Journal of Physical Chemistry C, 2015, 119, 18546-18558.	1.5	104
187	Single-layer graphene saturable absorber for diode-pumped passively Q-switched Tm:KLu(WO₄)₂laser at 2Î¼m. Laser Physics Letters, 2015, 12, 095802.	0.6	3
188	Optical spectroscopy of Eu3+ ions doped in KLu(WO4)2 single crystals. Journal of Luminescence, 2015, 168, 7-13.	1.5	13
189	(Invited) Fully Porous GaN p-n Junctions Fabricated by Chemical Vapor Deposition: A Green Technology towards More Efficient LEDs. ECS Transactions, 2015, 66, 163-176.	0.3	1
190	Ho:KLuW microchip laser intracavity pumped by a diode-pumped Tm:KLuW laser. Applied Physics B: Lasers and Optics, 2015, 120, 123-128.	1.1	13
191	Room-temperature vibrational properties of potassium gadolinium double tungstate under compression up to 32GPa. Journal of Alloys and Compounds, 2015, 638, 14-20.	2.8	20
192	Juddâ€“Ofelt analysis and transition probabilities of Er3+ doped KY1â^'â^'Gd Lu (WO4)2 crystals. Journal of Luminescence, 2015, 165, 153-158.	1.5	16
193	In-band-pumped Ho:KLu(WO_4)_2 microchip laser with 84% slope efficiency. Optics Letters, 2015, 40, 344.	1.7	35
194	Tm:KLu(WO_4)_2 microchip laser Q-switched by a graphene-based saturable absorber. Optics Express, 2015, 23, 14108.	1.7	59
195	Low-repetition rate femtosecond laser writing of optical waveguides in KTP crystals: analysis of anisotropic refractive index changes. Optics Express, 2015, 23, 15343.	1.7	22
196	Graphene Q-Switched Compact Yb:YAG Laser. IEEE Photonics Journal, 2015, 7, 1-7.	1.0	15
197	Prospects of monoclinic Yb:KLu(WO_4)_2 crystal for multi-watt microchip lasers. Optical Materials Express, 2015, 5, 661.	1.6	29
198	Ultrasound-assisted reconstruction and delamination studies on CaAl layered double hydroxides. Applied Clay Science, 2015, 118, 116-123.	2.6	23

#	ARTICLE	IF	CITATIONS
199	Mirrorless Yb3+-Doped Monoclinic Double Tungstate Waveguide Laser Combining Liquid Phase Epitaxy and Multiplexed Beam fs Laser Writing. Journal of Lightwave Technology, 2015, 33, 4726-4730.	2.7	7
200	Channel waveguides and Mach-Zehnder structures on RbTiOPO_4 by Cs^+ ion exchange. Optical Materials Express, 2015, 5, 1183.	1.6	14
201	Growth, anisotropic spectroscopy and laser operation of the monoclinic Nd:KGd(PO₃)₄crystal. Journal Physics D: Applied Physics, 2015, 48, 495502.	1.3	6
202	Inband-Pumped Ho:KLu(WO4)2 Microchip Laser Q-switched with a PbS-Quantum-Dot-Doped Glass. , 2015, , .		0
203	Influence of acidâ€“base properties of calcined MgAl and CaAl layered double hydroxides on the catalytic glycerol etherification to short-chain polyglycerols. Chemical Engineering Journal, 2015, 264, 547-556.	6.6	46
204	Oriented Single-Walled Carbon Nanotubes as Saturable Absorber for Passive Q-Switching of a Tm:KLuW Microchip Laser. , 2015, , .		0
205	Microchip Laser Operation of Yb-Doped Gallium Garnets. , 2015, , .		0
206	Graphene-Based Saturable Absorber for Passive Q-switching of Tm:KLu(WO4)2 Microchip Laser. , 2015, , .		0
207	Sub-nanosecond Tm:KLuW Microchip Laser Q-switched by a Cr:ZnS Saturable Absorber. , 2015, , .		0
208	Microchip Laser Operation of Yb:YCOB Crystals. , 2015, , .		0
209	Efficient diode-pumped Tm,Ho:KLuW laser. , 2014, , .		0
210	Epitaxial growth of (0001) oriented porous GaN layers by chemical vapour deposition. CrystEngComm, 2014, 16, 10255-10261.	1.3	9
211	Effect of Pt Nanoparticles on the Optical Gas Sensing Properties of WO3 Thin Films. Sensors, 2014, 14, 11427-11443.	2.1	18
212	Graphene Saturable Absorber Q-switched Tm:KLu(WO4)2 Laser Emitting at 2 Î¼m. , 2014, , .		0
213	Diode-pumped continuous-wave (Ho,Tm):KLu(WO_4)_2 laser with >1 W output power. Optical Materials Express, 2014, 4, 2274.	1.6	2
214	Microchip laser operation of Tm,Ho:KLu(WO_4)_2 crystal. Optics Express, 2014, 22, 27976.	1.7	40
215	Carbon nanostructure-based saturable absorber mirror for a diode-pumped 500-MHz femtosecond Yb:KLu(WO_4)_2 laser. Optics Express, 2014, 22, 15626.	1.7	14
216	Crystal growth, optical spectroscopy, and continuous-wave laser operation of co-doped (Ho,Tm):KLu(WO_4)_2 monoclinic crystals. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1415.	0.9	17

#	ARTICLE	IF	CITATIONS
217	Femtosecond laser-written double-cladding waveguides in Nd:GdVO₄crystal: Raman analysis, guidance, and lasing. Optical Engineering, 2014, 53, 097105.	0.5	6
218	New strategies for luminescence thermometry in the biological range using upconverting nanoparticles. , 2014, , .		2
219	Effect of doping on crystalline quality of rubidium titanyl phosphate (RTP) crystals grown by the TSSG method. Materials Research Society Symposia Proceedings, 2014, 1698, 71.	0.1	1
220	White light upconversion in Yb-sensitized (Tm, Ho)-doped KLu(WO₄)₂nanocrystals: the effect of Eu incorporation. Physical Chemistry Chemical Physics, 2014, 16, 1679-1686.	1.3	17
221	Crystal growth, optical spectroscopy, and continuous-wave laser operation of Ho:KLu(WO4)2 crystals. Applied Physics B: Lasers and Optics, 2014, 116, 455-466.	1.1	15
222	Thermal lensing in Yb:KLu(WO₄)₂crystals cut along the optical indicatrix axes. Laser Physics Letters, 2014, 11, 125802.	0.6	14
223	Er:Yb:NaY₂F₅O up-converting nanoparticles for sub-tissue fluorescence lifetime thermal sensing. Nanoscale, 2014, 6, 9727.	2.8	131
224	Formation of polycrystalline TiO2 on the ablated surfaces of RbTiOPO4 single crystals by thermal annealing. CrystEngComm, 2014, 16, 4281-4288.	1.3	2
225	Fully Porous GaN pâ€“n Junction Diodes Fabricated by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2014, 6, 17954-17964.	4.0	25
226	Upconversion emission in (Ln,Yb):KLu(WO₄)₂ nanocrystals for white light generation. Journal of Physics: Conference Series, 2014, 480, 012005.	0.3	1
227	Blue SHG Enhancement by Silver Nanocubes Photochemically Prepared on a RbTiOPO₄ Ferroelectric Crystal. Advanced Materials, 2014, 26, 6447-6453.	11.1	12
228	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y₃ScAl₄O₁₂ Ceramics. Journal of Physical Chemistry C, 2014, 118, 13781-13789.	1.5	7
229	Porous GaN and High-Î² MgOâ€“GaN MOS Diode Layers Grown in a Single Step on Silicon. Chemistry of Materials, 2014, 26, 1243-1249.	3.2	6
230	Diode-pumped microchip Tm:KLu(WO_4)_2 laser with more than 3â€‰â€‰W of output power. Optics Letters, 2014, 39, 4247.	1.7	79
231	Characterization of the thermal lens in 3 at.%Tm:KLu(WO4)2and microchip laser operation. Laser Physics Letters, 2014, 11, 075001.	0.6	10
232	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.	1.0	55
233	Effect of the La(OH)3 preparation method on the surface and rehydroxylation properties of resulting La2O3 nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
234	Waveguide laser modelling of Erbium/Ytterbium activated monoclinic double tungstates. Optical and Quantum Electronics, 2013, 45, 349-356.	1.5	6

#	ARTICLE	IF	CITATIONS
235	(Ho, Tm, Yb): KLuW nanoparticles, an efficient thermometry sensor in the biological range. Proceedings of SPIE, 2013, , .	0.8	1
236	Magnetic phase transition in KGd(WO4)2 double tungstate. Open Physics, 2013, 11, 394-396.	0.8	0
237	Low resistivity electrical contacting of porous n-type GaN layers due to reduced workfunction intermetallic seed layers. Proceedings of SPIE, 2013, , .	0.8	0
238	Optimization of dopant concentration in Ho:KLu(WO4)2laser achieving â^¼70% slope efficiency. Laser Physics, 2013, 23, 125801.	0.6	5
239	New microarchitectures of (Er,Yb):Lu2O3 nanocrystals embedded in PMMA: synthesis, structural characterization, and luminescent properties. Nanoscale Research Letters, 2013, 8, 385.	3.1	4
240	Power scaling of thin-disk Tm-lasers based on Tm:KLu(WO<inf>4</inf>)<inf>2</inf>/KLu(WO<inf>4</inf>)<inf>2</inf> epitaxy. , 2013, , .		0
241	Tm3+-based waveguide lasers in monoclinic double tungstates. Journal of Luminescence, 2013, 133, 262-267.	1.5	3
242	Diode-pumped continuous-wave laser operation of co-doped (Ho,Tm):KLu(WO4)2 monoclinic crystal. Optics and Laser Technology, 2013, 54, 326-328.	2.2	6
243	Fast aging treatment for the synthesis of hydrocalumites using microwaves. Applied Clay Science, 2013, 80-81, 313-319.	2.6	31
244	Europium doping in KLu(WO4)2. Journal of Luminescence, 2013, 138, 77-82.	1.5	13
245	Low-threshold, mirrorless emission at 981 nm in an Yb,Gd,Lu:KYW inverted rib waveguide laser. Proceedings of SPIE, 2013, , .	0.8	1
246	Dual-wavelength diode-pumped laser operation of N p-cut and N g-cut Tm:KLu(WO4)2 crystals. Applied Physics B: Lasers and Optics, 2013, 113, 125-131.	1.1	9
247	Femtosecond-Laser Microstructuring of Ribs on Active (Yb,Nb):RTP/RTP Planar Waveguides. Journal of Lightwave Technology, 2013, 31, 385-390.	2.7	7
248	Channel waveguides on RbTiOPO_4 by Cs^+ ion exchange. Optics Letters, 2013, 38, 323.	1.7	4
249	Ar^+ ion milling rib waveguides on nonlinear optical (Yb,Nb):RTP/RTP epitaxial layers. Optical Materials Express, 2013, 3, 1912.	1.6	1
250	Metal Catalyzed Porous n-type GaN Layers: Low Resistivity Ohmic Contacting and Single-Step MgO/GaN Diode Formation. ECS Transactions, 2013, 53, 17-27.	0.3	2
251	2-Î¼m waveguide lasers in monoclinic double tungstates. , 2013, , .		0
252	Single-mode rib waveguides in (Yb,Nb)â€‰:â€‰RbTiOPO₄by reactive ion etching. Journal Physics D: Applied Physics, 2013, 46, 145108.	1.3	6

#	ARTICLE	IF	CITATIONS
253	Ho³⁺ lasing at 2060 nm in Co-doped Tm, Ho:KLu(WO<inf>4</inf>)<inf>2</inf>. , 2013, , .		0
254	On the reactive ion etching of RbTiOPO<inf>4</inf>. , 2013, , .		0
255	Fabrication of p-type porous GaN on silicon and epitaxial GaN. Applied Physics Letters, 2013, 103, .	1.5	11
256	Fabrication of ridge waveguides by femtosecond-laser structuring of (Yb, Nb):RTP/RTP using beam multiplexing with a Spatial Light Modulator. , 2013, , .		0
257	High-Efficiency Thin-Disk Tm-Laser Based on 5 at. % Tm:KLu(WO4)2/KLu(WO4)2 Epitaxy. , 2012, , .		0
258	Passive Q-switching of the diode pumped Tm3+:KLu(WO4)2 laser near 2-Âµm with Cr2+:ZnS saturable absorbers. , 2012, , .		0
259	Efficient thin-disk Tm-laser operation based on Tm:KLu(WO_4)_2/KLu(WO_4)_2 epitaxies. Optics Letters, 2012, 37, 356.	1.7	24
260	Dielectric properties of Yb3+ and Nb5+ doped RbTiOPO4 single crystals. Journal of Applied Physics, 2012, 111, 034106.	1.1	7
261	Diode-pumped 2ÂĨ¼m vibronic (Tm³⁺, Yb³⁺):KLu(WO₄)₂ laser. Applied Optics, 2012, 51, 2701.	0.9	6
262	Chemical Vapor Deposition of Porous GaN Particles on Silicon. Microscopy and Microanalysis, 2012, 18, 905-911.	0.2	14
263	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.	1.7	41
264	Passive Q-switching of a diode-pumped (Tm,Yb):KLu(WO4)2 laser near 2-Ĩ¼m with a Cr²⁺:ZnS saturable absorber. Proceedings of SPIE, 2012, , .	0.8	2
265	Ho:KRE(WO4)2, RE=(Y, Gd, Lu), CW laser performance near 2.1 micron under resonant pumping by a Tm:KLu(WO4)2 laser. Proceedings of SPIE, 2012, , .	0.8	0
266	Strategies to tailor the UV absorption band of Eu3+:La 2 O 3 downshifting nanocrystals. , 2012, , .		1
267	Graphene mode-locked femtosecond Yb:KLuW laser. Applied Physics Letters, 2012, 101, .	1.5	39
268	Effect of Thermal Annealing on the Kinetics of Rehydroxylation of Eu³⁺:La₂O₃ Nanocrystals. Inorganic Chemistry, 2012, 51, 6139-6146.	1.9	21
269	Reduced Workfunction Intermetallic Seed Layers Allow Growth of Porous n-GaN and Low Resistivity, Ohmic Electron Transport. ACS Applied Materials & Interfaces, 2012, 4, 6927-6934.	4.0	8
270	Crystal growth, characterization and thin disk laser operation of KLu_{1â^'x}Tm_x(WO₄)₂/KLu(WO₄)₂ epitaxial layers. CrystEngComm, 2012, 14, 223-229.	3.8	3

#	ARTICLE	IF	CITATIONS
271	Polarization switching in the 2-Âµm Tm:KLu(WO4)2 laser. Laser Physics Letters, 2012, 9, 104-109.	0.6	14
272	Preface: Solid state lasers â€“ 50 years after. Optical Materials, 2012, 34, 497-498.	1.7	0
273	Spectroscopic characterization of solâ€“gel synthesized Tm:Lu2O3 nanocrystals. Applied Physics B: Lasers and Optics, 2012, 106, 409-417.	1.1	12
274	2.08 µm Ho:KLu(WO<inf>4</inf>)<inf>2</inf> laser resonantly pumped by a diode laser. , 2011, , .		0
275	Crystal growth and characterization of RbTi1â^'xâ^'yYbxNbyOPO4/RbTiOPO4 (001) non-linear optical epitaxial layers. CrystEngComm, 2011, 13, 2015.	1.3	13
276	WO3 thin films for optical gas sensing. Procedia Engineering, 2011, 25, 260-263.	1.2	17
277	WO3 nano-needles by Aerosol Assisted CVD for optical sensing. Procedia Engineering, 2011, 25, 761-764.	1.2	1
278	Continuous-wave and Q-switched Tm-doped KY(WO_4)_2 planar waveguide laser at 184 Âµm. Optics Express, 2011, 19, 1449.	1.7	46
279	Continuous-wave laser generation at ~21 Âµm in Ho:KRE(WO_4)_2 (RE = Y, Gd, Lu) crystals: a comparative study. Optics Express, 2011, 19, 25279.	1.7	23
280	Efficient Type II phase-matching second-harmonic generation in Ba:Yb:Nb:RbTiOPO_4/RbTiOPO_4 waveguides. Optics Letters, 2011, 36, 1881.	1.7	3
281	Analysis of confinement effects on microstructured Ln^3+:KY_1-x-yGd_xLu_y(WO_4)_2 waveguides. Optical Materials Express, 2011, 1, 306.	1.6	3
282	KY0.58Gd0.22Lu0.17Tm0.03(WO4)2 buried rib waveguide lasers. Optical Materials, 2011, 34, 475-480.	1.7	6
283	Synthesis and characterization of coreâ€“shell SiO2@(Er3+,Yb3+):Lu2O3. Optical Materials, 2011, 34, 355-359.	1.7	8
284	Surface ablation of RbTiOPO4 by femtosecond laser. Optical Materials, 2011, 34, 207-214.	1.7	8
285	Pulsed 2-micron lasers based on Tm³⁺-doped monoclinic double tungstate crystals. Proceedings of SPIE, 2011, , .	0.8	1
286	Efficient second harmonic generation green light in RTP planar waveguides. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2946-2949.	0.8	0
287	White upconversion luminescence in nanocrystalline (Ho,Tm,Yb):KLu(WO₄)₂ phosphor. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2676-2679.	0.8	10
288	Continuous-wave co-lasing in a monoclinic co-doped (Ho,Tm):KLu(WO4)2 crystal. Laser Physics Letters, 2011, 8, 799-803.	0.6	21

#	ARTICLE	IF	CITATIONS
289	Polymer composite P3HT:Eu3+ doped La2O3 nanoparticles as a down-converter material to improve the solar spectrum energy. Optical Materials, 2011, 33, 1120-1123.	1.7	17
290	Synthesis and structural characterization of Tm:Lu2O3 nanocrystals. An approach towards new laser ceramics. Optical Materials, 2011, 33, 722-727.	1.7	7
291	Control of the cool/warm white light generation from lanthanide ions in monoclinic double tungstate crystals. Journal of Luminescence, 2011, 131, 2212-2215.	1.5	8
292	Polarization switching in the 2-Âµm Tm:KLu(WO2)4 laser. , 2011, , .		0
293	Simultaneous Dual-Wavelength Laser Operation in Co-Doped (Ho,Tm):KLu(WO4)2 Crystal. , 2011, , .		0
294	Diode-Pumped Ho-Doped KLu(WO₄)₂Laser at 2.08 Âµm. Applied Physics Express, 2011, 4, 072601.	1.1	17
295	Tm-doped KY(WO4)2 Planar Waveguide Laser Operating in the Continuous-wave and Q-switched Regimes. , 2011, , .		0
296	Effect of Ho3+ in (Tm3+,Yb3+): KLu(WO4)2 nanocrystals for RGB light generation. , 2011, , .		0
297	Synchrotron X-Ray Topography Study of Structural Defects and Strain in Epitaxial Structures of Yb- and Tm-Doped Potassium Rare-Earth Double Tungstates and Their Influence on Laser Performance. Journal of Electronic Materials, 2010, 39, 823-829.	1.0	0
298	Specific Heat of the Monoclinic Rare Earth Double Tungstates. Journal of Low Temperature Physics, 2010, 160, 119-130.	0.6	2
299	Structural characterization and ytterbium spectroscopy in Sc2O3 nanocrystals. Journal of Luminescence, 2010, 130, 1437-1443.	1.5	13
300	Synthesis of Tm:Lu2O3 nanocrystals for phosphor blue applications. Physics Procedia, 2010, 8, 142-150.	1.2	17
301	CW laser operation around 2- Î¼m in (Tm,Y b):KLu(WO4)2. Physics Procedia, 2010, 8, 157-161.	1.2	1
302	Magnetic properties of KRE(WO4)2 (RE=Gd, Yb, Tm) single crystals. Physica B: Condensed Matter, 2010, 405, 4886-4891.	1.3	11
303	Photoluminescence and cathodoluminescence of Eu: La2O3 nanoparticles synthesized by several methods. Physics Procedia, 2010, 8, 114-120.	1.2	15
304	Fabrication of photonic structures in crystals of the KTiOPO4 family by ultrafast laser ablation. Physics Procedia, 2010, 8, 126-135.	1.2	1
305	Green light waveguide demonstration on Y b:Nb:RbTiOPO4/RbTiOPO4 epitaxial layers. Physics Procedia, 2010, 8, 136-141.	1.2	0
306	Monoclinic double tungstate lattice matched epitaxial layers for integrated optics applications. Physics Procedia, 2010, 8, 151-156.	1.2	6

#	ARTICLE	IF	CITATIONS
307	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline"	1.2	6
308	Epitaxial layers of KY1â^'xâ^'yGdxLuy(WO4)2 doped with Er3+ and Tm3+ for planar waveguide lasers. Optical Materials, 2010, 32, 469-474.	1.7	21
309	Solâ€“gel Pechini synthesis and optical spectroscopy of nanocrystalline La2O3 doped with Eu3+. Optical Materials, 2010, 32, 1686-1692.	1.7	34
310	Crystal growth and characterization of epitaxial layers of laser and nonlinear optical materials for thin-disk and waveguide laser applications. Optical Materials, 2010, 32, 1380-1384.	1.7	2
311	Waveguiding demonstration on Yb:Nb:RbTiOPO4/RbTiOPO4(001) epitaxies grown by LPE. Optical Materials, 2010, 32, 1648-1651.	1.7	6
312	Synthesis, structural and optical characterization of Eu:KYb(WO4)2 nanocrystals: A promising red phosphor. Optical Materials, 2010, 32, 1493-1500.	1.7	17
313	A Promising Lu_{2â^'x}Ho_xO₃ Laser Nanoceramic:Synthesis and Characterization. Journal of the American Ceramic Society, 2010, 93, 3764-3772.	1.9	14
314	Exploring the possibilities of Eu³⁺:La 2 O 3 nanoparticles as an approach for down conversion processes in solar energy systems. Proceedings of SPIE, 2010, , .	0.8	1
315	Analysis of linear and nonlinear optical properties of diffraction gratings inscribed on the surface of single crystals of the KTiOPO 4 family. , 2010, , .		0
316	Diode-pumped passively Q-switched Tm:KLuW laser with a Cr2+:ZnSe saturable absorber. , 2010, , .		1
317	CW laser operation of a highly-doped Tm:KLu(WO 4) 2 /KLu(WO 4) 2 thin disk epitaxial laser. Proceedings of SPIE, 2010, , .	0.8	2
318	Broad emission band of Yb^3+ in the nonlinear Nb:RbTiOPO_4 crystal: origin and applications. Optics Express, 2010, 18, 7228.	1.7	12
319	CW lasing of Ho in KLu(WO_4)_2 in-band pumped by a diode-pumped Tm:KLu(WO_4)_2 laser. Optics Express, 2010, 18, 20793.	1.7	24
320	Mirrorless buried waveguide laser in monoclinic double tungstates fabricated by a novel combination of ion milling and liquid phase epitaxy. Optics Express, 2010, 18, 26937.	1.7	27
321	Exploring Waveguiding Properties of Heavily Doped $ hbox{Yb}^{3+}:hbox{KLu}(hbox{WO}_{4})_{2}$ Epitaxial Layers. IEEE Photonics Journal, 2010, 2, 482-489.	1.0	7
322	Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of a Tm:KLuW Laser Near 2 Âµm. , 2010, , .		1
323	Continuous-wave lasing of monoclinic Ho:KLu(WO4)2 under in-band excitation by a diode-pumped Tm:KLu(WO4)2 laser. , 2010, , .		0
324	Composition-dependent dielectric properties of RbTiOPO4 single crystals. Applied Physics Letters, 2009, 95, .	1.5	9

#	Article	IF	Citations
325	Evidences of the existence of a correlation between structural stress and laser operation in monoclinic double tungstate epitaxial lasers. , 2009, , .		0
326	Synthesis and characterization of KTiOPO₄nanocrystals and their PMMA nanocomposites. Nanotechnology, 2009, 20, 035705.	1.3	14
327	Synthesis of monoclinic KGd(WO4)2 nanocrystals by two preparation methods. Journal of Nanoparticle Research, 2009, 11, 717-724.	0.8	7
328	Thermo-optic coefficients of monoclinic KLu(WO4)2. Applied Physics B: Lasers and Optics, 2009, 95, 653-656.	1.1	34
329	New approaches for the fabrication of photonic structures of nonlinear optical materials. Journal of Luminescence, 2009, 129, 1441-1447.	1.5	3
330	Near-infrared photoluminescence from Ho3+-doped monoclinic KLu(WO4)2 crystal codoped with Tm3+. Journal of Luminescence, 2009, 129, 1882-1885.	1.5	14
331	Physical properties of self-flux and WO3-containing solutions useful for growing type III KGd(PO3)4 single crystals. Journal of Crystal Growth, 2009, 311, 3656-3660.	0.7	7
332	Crystal growth, characterization and spectroscopic study of europium-doped NaY(PO3)4. Journal of Crystal Growth, 2009, 311, 4360-4364.	0.7	7
333	Lattice location and short range ordering of doping ions in RbTiOPO4. Applied Physics Letters, 2009, 94, .	1.5	7
334	Epitaxial Growth of Lattice Matched KY_{1â^'xâ^'y}Gd_xLu_y(WO₄)₂ Thin Films on KY(WO₄)₂ Substrates for Waveguiding Applications. Crystal Growth and Design, 2009, 9, 3525-3531.	1.4	40
335	Thermal properties of the monoclinic KGd(PO<inf>3</inf>)<inf>4</inf>. , 2009, , .		0
336	Passive mode-locking of a Tm-doped bulk laser near 2 Î¼m using a carbon nanotube saturable absorber. Optics Express, 2009, 17, 11007.	1.7	163
337	Effect of Structural Stress on the Laser Quality of Highly Doped Yb:KY(WO₄)₂/KY(WO₄)₂ and Yb:KLu(WO₄)₂/KLu(WO₄)₂ Epitaxial Structures. Crystal Growth and Design, 2009, 9, 653-656.	1.4	9
338	Synthesis, Structural, and Optical Properties in Monoclinic Er:KYb(WO4)2 Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 15497-15506.	1.5	37
339	Thermo-optic coefficients of monoclinic KLu(WO4)2. , 2009, , .		0
340	Synthesis and characterization of nanocrystalline Yb:Lu2O3 by modified Pechini method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 7-15.	1.7	36
341	Coherence length of the KY(WO4)2 single crystal. Acta Crystallographica Section B: Structural Science, 2008, 64, 287-290.	1.8	0
342	Physical properties of the 0.12 KLu(WO4)2â€“0.88 K2W2O7 solution and single-crystal growth of KLu(WO4)2. Journal of Crystal Growth, 2008, 310, 1167-1173.	0.7	7

#	ARTICLE	IF	CITATIONS
343	Growth and structural characterization of RbTi1â^'xGexOPO4 crystals. Journal of Crystal Growth, 2008, 310, 2633-2639.	0.7	4
344	UV-excited piezo-optical effects in oxide nanocrystals incorporated into PMMA matrices. Acta Materialia, 2008, 56, 5677-5684.	3.8	22
345	Ln3+:KLu(WO4)2/KLu(WO4)2 epitaxial layers: Crystal growth and physical characterisation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 59-65.	1.7	17
346	Crystal growth, crystal field evaluation and spectroscopy for thulium in monoclinic KGd(WO4)2and KLu(WO4)2laser crystals. Journal of Physics Condensed Matter, 2008, 20, 345219.	0.7	11
347	Ultraviolet and visible emissions of Er3+ in monoclinic KYb(WO4)2 single crystals. Journal of Alloys and Compounds, 2008, 450, 314-317.	2.8	2
348	Passive mode locking of Yb:KLuW using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 729.	1.7	162
349	Thin-disk Yb:KLu(WO_4)_2 laser with single-pass pumping. Optics Letters, 2008, 33, 735.	1.7	43
350	Crystal growth, spectroscopic characterization, and eye-safe laser operation of erbium- and ytterbium-codoped KLu(WO_4)_2. Applied Optics, 2008, 47, 656.	2.1	22
351	Thermal properties of monoclinic KLu(WO_4)_2 as a promising solid state laser host. Optics Express, 2008, 16, 5022.	1.7	47
352	Ba3Yb(BO3)3 single crystals: Growth and spectroscopic characterization. Journal of Materials Research, 2008, 23, 2512-2518.	1.2	2
353	Lattice mismatch and crystal growth of monoclinic KY1â^'xYbx(WO4)2/KY (WO4)2layers by liquid phase epitaxy. Journal of Physics Condensed Matter, 2008, 20, 225004.	0.7	7
354	Thin-disk laser operation with single-pass pumping. , 2008, , .		0
355	Crystal growth, spectroscopic characterisation and eye-safe laser operation of Er and Yb doped KLu(WO4)2. , 2008, , .		0
356	Ultrashort Pulse Generation of Yb:KLuW using Single-Walled Carbon Nanotube Saturable Absorbers. , 2008, , .		0
357	1.84Î¼m emission of Tm3+ sensitized by Yb3+ ions in monoclinic KGd(WO4)2 single crystals. Journal of Applied Physics, 2007, 101, 033108.	1.1	3
358	Laser operation of Yb³⁺ in the acentric RbTiOPO<inf>4</inf> crystal codoped with Nb⁵⁺. , 2007, , .		0
359	<title>Novel ytterbium and thulium lasers based on the monoclinic KLu(WO<formula><inf><roman>4</roman></inf></formula>)<formula><inf><roman>2</roman></inf></formula> crystalline host</title>. , 2007, , .		1
360	Laser operation of Yb^3+ in the acentric RbTiOPO_4 codoped with Nb^5+. Optics Letters, 2007, 32, 1929.	1.7	18

#	ARTICLE	IF	CITATIONS
361	Growth, spectroscopy and laser operation of Yb:KGd(PO3)4single crystals. Optics Express, 2007, 15, 2360.	1.7	35
362	Yb^3+ spectroscopy in (Nb or Ta):RbTiOPO_4 single crystals for laser applications. Optics Express, 2007, 15, 14580.	1.7	16
363	Sol-gel modified Pechini method for obtaining nanocrystalline KRE(WO4)2 (REÂ=ÂGd and Yb). Journal of Sol-Gel Science and Technology, 2007, 42, 79-88.	1.1	112
364	Structural and optical properties of RbTiOPO4:Nb crystals. Journal of Physics Condensed Matter, 2007, 19, 116214.	0.7	11
365	Green and Red Emissions at Room Temperature on Er-Doped GaN Submicrometer Rods Synthesized by a Simple Chemical Vapor Deposition Technique. Chemistry of Materials, 2007, 19, 6543-6547.	3.2	6
366	Crystal Growth, Crystal Morphology and Surface Micromorphology of Type III KGd(PO3)4 and KNd(PO3)4. Crystal Growth and Design, 2007, 7, 557-563.	1.4	18
367	Crystal Growth and Characterization of Type III Ytterbium-Doped KGd(PO3)4:Â A New Nonlinear Laser Host. Chemistry of Materials, 2007, 19, 2868-2876.	3.2	33
368	Yb:Ta:RbTiOPO₄, A New Strategy to Further Increase the Lanthanide Concentration in Crystals of the KTiOPO₄ Family. Chemistry of Materials, 2007, 19, 4069-4076.	3.2	11
369	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.	4.4	229
370	Upconversion luminescence of Tm3+ sensitized by Yb3+ ions in monoclinic KGd(WO4)2 single crystals. Optical Materials, 2007, 30, 222-226.	1.7	20
371	CW Laser Operation of ${hbox {KLu}}_{0.945}{hbox {Tm}}_{0.055}({hbox {WO}}_{4})_{2}{hbox {â€“KLu}}({hbox {WO}}_{4})_{2}$ Epilayers Near 2 $mu{hbox {m}}$. IEEE Journal of Quantum Electronics, 2007, 43, 257-260.	1.0	13
372	An EPR study of Er3+ impurities in RbTiOPO4 single crystals. European Physical Journal B, 2007, 58, 237-242.	0.6	1
373	Crystal growth and spectroscopic analysis of codoped (Ho,Tm):KGd(WO 4) 2. Applied Physics B: Lasers and Optics, 2007, 87, 111-117.	1.1	22
374	Thulium doped monoclinic KLu(WO4)2 single crystals: growth and spectroscopy. Applied Physics B: Lasers and Optics, 2007, 87, 707-716.	1.1	68
375	Electron paramagnetic resonance studies in KYb(WO4)2. Physica B: Condensed Matter, 2007, 388, 257-260.	1.3	6
376	Tunable laser operation of Tm-doped epitaxial layers of monoclinic KLu(WO4)2 near 2-Âµm. , 2007, , .		0
377	Lasing of Yb3+ in the non-centrosymmetric host KGd(PO3)4. , 2007, , .		0
378	Efficient diode-pumped cw Tm:KLu(WO 4) 2 laser. , 2006, 6216, 162.		6

#	ARTICLE	IF	CITATIONS
379	Crystal Structure and Optical Characterization of Pure and Nd-Substituted Type III KGd(PO3)4. Chemistry of Materials, 2006, 18, 221-228.	3.2	61
380	Primary Crystallization Region of NaAl(MoO4)2,Cr3+Doping, Crystal Growth, and Characterization. Chemistry of Materials, 2006, 18, 442-448.	3.2	15
381	Efficient 2-mum Continuous-Wave Laser Oscillation of Tm$^3 + $:KLu(WO$_4$)$_2$. IEEE Journal of Quantum Electronics, 2006, 42, 1008-1015.	1.0	97
382	Change in the Morphology of RbTiOPO4 Introduced by the Presence of Nb. Crystal Growth and Design, 2006, 6, 2667-2673.	1.4	11
383	Er3+impurities in KTiOPO4studied by electron paramagnetic resonance. Journal of Physics Condensed Matter, 2006, 18, 6655-6663.	0.7	6
384	Liquid-Phase Epitaxy Crystal Growth of Monoclinic KLu1-xYbx(WO4)2/KLu(WO4)2Layers. Crystal Growth and Design, 2006, 6, 1781-1787.	1.4	21
385	Fluorescence dynamics and rate equation analysis in Er3+ and Yb3+ doped double tungstates. Applied Optics, 2006, 45, 4715.	2.1	37
386	Epitaxially grown Yb:KLu(WO4)2 composites for continuous-wave and mode-locked lasers in the 1Î¼m spectral range. Journal of Non-Crystalline Solids, 2006, 352, 2367-2370.	1.5	4
387	Structural redetermination, thermal expansion and refractive indices of KLu(WO4)2. Journal of Applied Crystallography, 2006, 39, 230-236.	1.9	85
388	Crystal growth, optical and spectroscopic characterisation of monoclinic KY(WO4)2 co-doped with Er3+ and Yb3+. Optical Materials, 2006, 28, 423-431.	1.7	62
389	Crystal growth, spectroscopic studies and laser operation of Yb3+-doped potassium lutetium tungstate. Optical Materials, 2006, 28, 519-523.	1.7	53
390	A Two-Dimensional KTiOPO4 Photonic Crystal Grown Using a Macroporous Silicon Template. Advanced Materials, 2006, 18, 2220-2225.	11.1	9
391	Growth of 2D KTP photonic crystals for efficient second order nonlinear optical processes. , 2006, , .		0
392	Efficient continuous-wave laser operation of Tm:KLu(WO<inf>4</inf>)<inf>2</inf> near 2 μm. , 2006, , .		0
393	Ultraviolet and visible emissions of Er3+ in KY(WO4)2 single crystals co-doped with Yb3+ ions. Journal of Luminescence, 2005, 115, 131-137.	1.5	22
394	Crystal Growth, Structural Characterization, and Linear Thermal Evolution of KGd(PO3)4.. ChemInform, 2005, 36, no.	0.1	0
395	Growth and Structural Characterization of Rb3Yb2(PO4)3:â€‰ A New Material for Laser and Nonlinear Optical Applications. Chemistry of Materials, 2005, 17, 6746-6754.	3.2	33
396	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.	1.0	41

#	Article	IF	Citations
397	Passively mode-locked Yb:KLu(WO4)2 oscillators. Optics Express, 2005, 13, 3465.	1.7	81
398	Crystal Growth, Structural Characterization, and Linear Thermal Evolution of KGd(PO3)4. Chemistry of Materials, 2005, 17, 822-828.	3.2	48
399	Mode-locked laser operation of epitaxially grown Yb:KLu(WO_4)_2 composites. Optics Letters, 2005, 30, 2484.	1.7	13
400	Laser Operation of Bulk Crystals and Epitaxially Grown Composites of Yb:KLu(WO4)2. , 2005, , .		0
401	Tunable cw Lasing of Tm:KGd(W04)2 near 2 Î¼m. , 2005, , .		0
402	Nd3+ions at the low-symmetry sites ofÎ²â^'BaB2O4single crystals studied by electron paramagnetic resonance spectroscopy. Physical Review B, 2004, 70, .	1.1	3
403	Photoluminescence of Er-implanted KTP and RTP crystals. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 271-276.	0.6	5
404	Hyperfine structure and homogeneous broadening inPr3+:KY(WO4)2. Physical Review B, 2004, 70, .	1.1	8
405	Spectroscopic and second harmonic generation properties of a new crystal: Yb-doped RbTiOPO4. Optical Materials, 2004, 26, 313-317.	1.7	14
406	Optical characterization of Tm3+-doped KGd(WO4)2 single crystals. Optical Materials, 2004, 25, 71-77.	1.7	26
407	Crystallization Region, Crystal Growth, and Phase Transitions of KNd(PO3)4.. ChemInform, 2004, 35, no.	0.1	1
408	Infrared-to-green up-conversion in Er3+, Yb3+-doped monoclinic KGd(WO4)2 single crystals. Optical Materials, 2004, 27, 475-479.	1.7	25
409	Blue luminescence in Tm3+-doped KGd(WO4)2 single crystals. Journal of Luminescence, 2004, 106, 109-114.	1.5	31
410	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	1.5	43
411	1.48 and 1.84 Î¼m thulium emissions in monoclinic KGd(WO4)2 single crystals. Journal of Applied Physics, 2004, 95, 919-923.	1.1	37
412	Erbium spectroscopy and 1.5-/spl mu/m emission in KGd(WO/sub 4/)/sub 2/: Er,Yb single crystals. IEEE Journal of Quantum Electronics, 2004, 40, 759-770.	1.0	26
413	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.	1.0	48
414	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.	1.0	71

#	ARTICLE	IF	CITATIONS
415	Growth and Structural Characterization of Rb2Ti1.01Er0.99 (PO4)3.. ChemInform, 2003, 34, no.	0.1	0
416	Influence of twinned structure on the morphology of CdTe(111) layers grown by MOCVD on GaAs(100) substrates. Journal of Crystal Growth, 2003, 257, 60-68.	0.7	16
417	Selective distribution of dopants among MO 6 octahedra in RbTi 0.927 Nb 0.056 Er 0.017 OPO 4 : a neutron diffraction study. Journal of Solid State Chemistry, 2003, 171, 257-261.	1.4	6
418	A new self-doubling material: RbTiOPO4:(Nb,Ln). Optical Materials, 2003, 24, 425-430.	1.7	18
419	Growth and Structural Characterization of Rb2Ti1.01Er0.99(PO4)3. Chemistry of Materials, 2003, 15, 204-211.	3.2	22
420	Charge Self-compensation in the Nonlinear Optical Crystals Rb0.855Ti0.955Nb0.045OPO4and RbTi0.927Nb0.056Er0.017OPO4. Chemistry of Materials, 2003, 15, 2338-2345.	3.2	35
421	Phase Transitions in RbTiOPO4Doped with Niobium. Chemistry of Materials, 2003, 15, 2730-2736.	3.2	23
422	Crystallization Region, Crystal Growth, and Phase Transitions of KNd(PO3)4. Chemistry of Materials, 2003, 15, 5059-5064.	3.2	64
423	EPR Study of Nd3â¯Žlons in Î²-BaB2O4Single Crystals. Radiation Effects and Defects in Solids, 2003, 158, 289-294.	0.4	2
424	Growth of KTiOPO4 Films on KTi1-xGexOPO4 Substrates by Liquid-phase Epitaxy. Journal of Materials Research, 2002, 17, 563-569.	1.2	11
425	Crystallization Region, Crystal Growth, and Characterization of Rubidium Titanyl Phosphate Codoped with Niobium and Lanthanide Ions. Chemistry of Materials, 2002, 14, 3136-3142.	3.2	22
426	Crystal growth and spectroscopic characterization ofTm3+-dopedKYb(WO4)2single crystals. Physical Review B, 2002, 66, .	1.1	38
427	Sensitization ofEr3+emission at1.5Î¼mbyYb3+inKYb(WO4)2single crystals. Physical Review B, 2002, 66, .	1.1	27
428	Green luminescence of Er3+ in stoichiometric KYb(WO4)2 single crystals. Applied Physics Letters, 2002, 80, 4510-4512.	1.5	16
429	Emission cross sections and spectroscopy of Ho/sup 3+/ laser channels in KGd(WO/sub 4/)/sub 2/ single crystal. IEEE Journal of Quantum Electronics, 2002, 38, 93-100.	1.0	39
430	Laser operation of the new stoichiometric crystal KYb(WO 4) 2. Applied Physics B: Lasers and Optics, 2002, 74, 185-189.	1.1	67
431	Structure, crystal growth and physical anisotropy of KYb(WO4)2, a new laser matrix. Journal of Applied Crystallography, 2002, 35, 108-112.	1.9	76
432	Liquid phase epitaxy of KTiOPO4 on KTi1â"xGexOPO4 substrates. Journal of Crystal Growth, 2002, 237-239, 602-607.	0.7	13

#	ARTICLE	IF	CITATIONS
433	Growth, optical characterization, and laser operation of a stoichiometric crystalKYb(WO4)2. Physical Review B, 2002, 65, .	1.1	186
434	Yb sensitising of Er3+ up-conversion emission in KGd(WO4)2:Er:Yb single crystals. Journal of Alloys and Compounds, 2001, 323-324, 362-366.	2.8	24
435	Growth and characterisation of RbTiOPO4:Nb crystals as a host for rare earth ions. Journal of Alloys and Compounds, 2001, 323-324, 231-235.	2.8	17
436	Linear Thermal Expansion Tensor in KRE(WO₄)₂ (RE=Gd, Y,) Tj ETQq0 0 0 rgBT /Overlock	0.3	26
437	Crystal Growth of RbTiOPO4:Nb:â€‰ A New Nonlinear Optical Host for Rare Earth Doping. Crystal Growth and Design, 2001, 1, 479-484.	1.4	21
438	Structural study of monoclinic KGd(WO4)2and effects of lanthanide substitution. Journal of Applied Crystallography, 2001, 34, 1-6.	1.9	92
439	Epitaxial growth of Y-stabilised zirconia films on (100)InP substrates by pulsed laser deposition. Journal of Crystal Growth, 2000, 209, 883-889.	0.7	20
440	Grain texture and bulk magnetic anisotropy correlation in polycrystalline Bi2Sr2CaCu2O8+Î´ thin rods. Physica C: Superconductivity and Its Applications, 2000, 333, 93-103.	0.6	9
441	Nd partial substitution in YBCO bulk samples with Y211 additions. Superconductor Science and Technology, 2000, 13, 1252-1257.	1.8	1
442	Cobalt and tin substituted barium ferrites: the K and R phases. Journal of Applied Physics, 2000, 87, 1690-1692.	1.1	2
443	Enhancement of the Erbium Concentration in RbTiOPO4by Codoping with Niobium. Chemistry of Materials, 2000, 12, 3171-3180.	3.2	45
444	Optical spectroscopy of Pr3+in KGd(WO4)2single crystals. Journal of Physics Condensed Matter, 2000, 12, 8531-8550.	0.7	52
445	Photoconductive Bi₁₂MO₂₀-type films prepared by pulsed laser deposition. Journal of Materials Research, 1999, 14, 4409-4417.	1.2	4
446	Texture analysis and microstructural features in YBa₂Cu₃O_{6+x} zone-partial-melted samples with Y₂BaCuO₅ additions. Journal of Materials Research, 1999, 14, 1711-1719.	1.2	2
447	Site selective spectroscopy under high magnetic field in KGd(WO4)2:Nd crystals. Optical Materials, 1999, 13, 27-32.	1.7	1
448	Growth and characterisation of monoclinic KGd1â^'xREx(WO4)2 single crystals. Optical Materials, 1999, 13, 33-40.	1.7	47
449	Stabilization of Î²-BaB2O4 in the system BaB2O4â€“Na2Oâ€“Nd2O3. Journal of Crystal Growth, 1999, 207, 104-111.	0.7	18
450	Crystalline structure and optical spectroscopy of Er3+-doped KGd(WO4)2 single crystals. Applied Physics B: Lasers and Optics, 1999, 68, 187-197.	1.1	231

#	ARTICLE	IF	CITATIONS
451	Flux growth of KTiOPO4 single crystals doped with Me4+ ions. Materials Research Bulletin, 1999, 34, 1403-1409.	2.7	12
452	Growth and ultraviolet optical properties of KGd_{1â€“x}RE_x(WO₄)₂ single crystals. Journal of Materials Research, 1999, 14, 3739-3745.	1.2	51
453	Infrared photoluminescence of Nd3+ multicenters in KTiOPO4 crystals. Journal of Luminescence, 1998, 79, 127-133.	1.5	8
454	Simulation of epitaxial growth of CeO2 on YSZ(100) and SrTiO3 on MgO(100) for YBa2Cu3O7â˜'x deposition. Thin Solid Films, 1998, 317, 81-84.	0.8	9
455	Optical spectroscopy of Ho3+ and Tm3+ ions in KTiOPO4 single crystals. Optical Materials, 1998, 10, 29-37.	1.7	9
456	Improvements in obtaining YBCO single domains using the partial melting zone method. Superconductor Science and Technology, 1998, 11, 30-34.	1.8	7
457	Conditions and Possibilities for Rare-Earth Doping of KTiOPO4Flux-Grown Single Crystals. Chemistry of Materials, 1997, 9, 2745-2749.	3.2	33
458	Diffusion of Nd, Er and Nb in potassium titanyl phosphate. Journal of Physics Condensed Matter, 1997, 9, L465-L469.	0.7	8
459	Single domain generation in YBCO textured samples. Physica C: Superconductivity and Its Applications, 1997, 290, 297-302.	0.6	1
460	Polarized optical absorption of in crystals. Journal of Physics Condensed Matter, 1996, 8, 10693-10701.	0.7	10
461	Magnetic properties of BaFe12â˜'(x+y)SnxCoyO19 single crystals. Journal of Magnetism and Magnetic Materials, 1996, 159, L39-L44.	1.0	1
462	YBa2Cu3O6 + x and Y2BaCuO5 composites obtained by the partial melting zone method. Physica C: Superconductivity and Its Applications, 1996, 260, 57-63.	0.6	4
463	Co and Sn substituted barium M-hexaferrites: single crystal growth and magnetic characterization. Journal of Crystal Growth, 1996, 166, 402-407.	0.7	1
464	KTiOPO 4 single crystals grown from neodymium modified fluxes. Journal of Crystal Growth, 1996, 167, 681-685.	0.7	11
465	Growth of Î²-KGd1 â˜' xNdx(WO4)2 single crystals in K2W2O7 solvents. Journal of Crystal Growth, 1996, 169, 600-603.	0.7	90
466	Preparation of YBCO on YSZ Layers Deposited on Silicon and Sapphire by MOCVD : Influence of the Intermediate Layer on the Quality of the Superconducting Film. European Physical Journal Special Topics, 1995, 05, C5-439-C5-447.	0.2	1
467			

#	Article	IF	Citations
469	Deposition of YSZ/Si and YBCO/YSZ/Si layers by MOCVD. Physica C: Superconductivity and Its Applications, 1994, 235-240, 651-652.	0.6	1
470	Solvents for the growth of BaFe12-(x+y)CoxSnyO10 bulk crystals from high-temperature solution. Journal of Crystal Growth, 1993, 128, 1273-1276.	0.7	2
471	Numerical and experimental study of the forced convection inside a rotating disk-cylinder configuration. Experiments in Fluids, 1993, 14, 333-340.	1.1	5
472	Density, surface tension and viscosity of some high temperature solutions of the BaFe12O19î—¸Na2O pseudo-binary system. Materials Research Bulletin, 1992, 27, 197-204.	2.7	3
473	Two different (croconato)(2,2':6',2''-terpyridyl)copper(II) complexes in one single crystal: structure of [Cu(C15H11N3)(H2O)(C5O5)][Cu(C15H11N3)(C5O5)].4H2O. Acta Crystallographica Section C: Crystal Structure Communications, 1992, 48, 802-806.	0.4	9
474	Influence of dynamic boundary conditions on the computed flow patterns inside a coaxial rotating disk-cylinder system. Computers and Fluids, 1991, 20, 387-398.	1.3	5
475	Synthesis and characterization of nickel(II) complexes of purine and pyrimidine bases. Crystal and molecular structure of trans-bis(cytosine-O2)bis(ethylenediamine)nickel(II) bis(tetraphenylborate). An unusual metal binding mode of cytosine. Inorganic Chemistry, 1990, 29, 5168-5173.	1.9	52
476	Coordination modes of the squarate ligand: syntheses and crystal structures of six copper(II) squarate complexes. Inorganic Chemistry, 1990, 29, 775-784.	1.9	153
477	Experimental study of the hydrodynamics in a model crystal growth crucible. Materials Research Bulletin, 1989, 24, 493-504.	2.7	4
478	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5â€²GMP and 5â€²IMP. Journal of Inorganic Biochemistry, 1989, 35, 191-214.	1.5	18
479	Reactions of activated alkynes with organonickel complexes. Crystal structure of trans-[NiBr(C(COOMe)î—»C(COOMe)(3,5-Cl2C6H3))(PPh3)2]. Journal of Organometallic Chemistry, 1988, 345, 383-396.	0.8	7
480	o-Nitrophenylpalladium(II) complexes. Crystal and molecular structures of cis-[Pd{o-C6H4N(O)O}2] and cis-[Pd{o-C6H4N(O)O}(o-C6H4NO2)(py)]. Journal of the Chemical Society Dalton Transactions, 1988, , 141-147.	1.1	37
481	Theoretical growth and equilibrium forms of ADP (NH4H2PO4). Journal of Crystal Growth, 1987, 83, 549-559.	0.7	11
482	Synthesis and structure of chloro(ligand)bis(diphenylglyoximato)cobalt(III) complexes. Inorganica Chimica Acta, 1987, 127, 153-159.	1.2	31
483	The chloromethylation of triethylamine in dichloromethane. Crystal and molecular structure of (chloromethyl)triethylammonium tetrachloroplatinate(II), [N(C2H5) 3(CH2Cl)] 2 [PtCl4]. Inorganica Chimica Acta, 1987, 133, 217-219.	1.2	9
484	Improved synthesis of dicyanocobaloximes and the molecular and crystal structure of potassium dicyanobis(dimethylglyoximato)cobaltate(III). Inorganica Chimica Acta, 1987, 133, 101-105.	1.2	5
485	Structures of ethylenediaminetetraacetato(3-) metal complexes. I. Complexes with Co, Mg and Cd metals. Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 648-651.	0.4	11
486	Image processing of Czochralski bulk flow. Journal of Crystal Growth, 1986, 79, 92-95.	0.7	10

#	ARTICLE	IF	CITATIONS
487	Synthesis, structure and properties of syn-bis(Î¼-N-methylpiperidine-4-thiolate tricarbonyl iron). Inorganica Chimica Acta, 1986, 119, 55-59.	1.2	9
488	Octahedral trinuclear complexes with aminothiolates. Crystal structure of hexakis(3-amino-1-propanethiolate)tricobalt(III) chloride. Inorganica Chimica Acta, 1985, 99, 1-4.	1.2	15
489	Structure of two isomers of bromo[(2-bromo-3,4,5,6-tetrafluorophenyl)diphenylphosphine-Br,P]chloro(2-diphenylphosphinoyl-3,4,5,6-tetrafluorophenyl-O)rhodium(I) C36H20Br2ClF8OP2Rh and C36H20Br2ClF8OP2Rh.C2H6O. Acta Crystallographica Section C: Crystal Structure Communications, 1985, 41, 841-844.	0.4	7
490	Synthesis and crystal structure of a simple mononuclear lithium complex. Tetraethylammonium bis(1,3-bis(2-hydroxyphenyl)-1,3-propanedionato)lithate. Inorganic Chemistry, 1985, 24, 2315-2317.	1.9	18
491	Crystal morphology of ADP (NH4H2PO4): A qualitative approach. Journal of Crystal Growth, 1984, 69, 527-536.	0.7	21
492	Hydrodynamic influence on the perfection of ADP crystals. Ferroelectrics, 1984, 56, 3-6.	0.3	1
493	Rhodium(I) and iridium(I) carbonyl complexes with sulphur-donor ligands; X-ray crystal structure of [Rh(CO)2(ButSCHî€†CHSBut)]ClO4. Journal of the Chemical Society Dalton Transactions, 1984, , 2665-2669.	1.1	10
494	Qualitative and quantitative morphological study on Î± and Î² phases of ammonium pentaborate tetrahydrate. Journal of Applied Crystallography, 1983, 16, 637-640.	1.9	9
495	Crystal form and structure of ammonium hexaaquamagnesium trichloride, NH4[Mg(H2O)6]Cl3. Acta Crystallographica Section C: Crystal Structure Communications, 1983, 39, 1488-1490.	0.4	11
496	Crystal form and structure of some isonitrosoacetanilide derivatives. Journal of Crystal Growth, 1981, 55, 571-581.	0.7	1
497	Unstable growth of ADP crystals. Journal of Crystal Growth, 1979, 47, 518-526.	0.7	23
498	Femtosecond mode-locking of epitaxially grown Yb:KLu(WO/sub 4/)/sub 2/ composites. , 0, , .		0
499	Thin disk Tm-laser based on highly doped Tm:KLu(WO4)2/KLu(WO4)2 epitaxy. Laser Physics Letters, 0, 7, 435-439.	0.6	46