Magdalena AguilÃ³

List of Publications by Year
in descending order

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499	8,789	57719	88593
papers	citations	44 h-index	70 g-index

514	514	514	4784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Growth and properties of KLu(WO4)2, and novel ytterbium and thulium lasers based on this monoclinic crystalline host. Laser and Photonics Reviews, 2007, 1, 179-212.	4.4	229
3	Growth, optical characterization, and laser operation of a stoichiometric crystalKYb(WO4)2. Physical Review B, 2002, 65, .	1.1	186
4	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
5	Passive mode locking of Yb:KLuW using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 729.	1.7	162
6	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
7	Upconversion thermometry: a new tool to measure the thermal resistance of nanoparticles. Nanoscale, 2018, 10, 6602-6610.	2.8	139
8	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
9	Er:Yb:NaY₂F₅O up-converting nanoparticles for sub-tissue fluorescence lifetime thermal sensing. Nanoscale, 2014, 6, 9727.	2.8	131
10	Lanthanide doped luminescence nanothermometers in the biological windows: strategies and applications. Nanoscale, 2021, 13, 7913-7987.	2.8	121
11	Determination of photothermal conversion efficiency of graphene and graphene oxide through an integrating sphere method. Carbon, 2016, 103, 134-141.	5.4	113
12	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
13	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
14	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
15	Structural study of monoclinic KGd(WO4)2and effects of lanthanide substitution. Journal of Applied Crystallography, 2001, 34, 1-6.	1.9	92
16	Growth of Î²-KGd1 â^' xNdx(WO4)2 single crystals in K2W2O7 solvents. Journal of Crystal Growth, 1996, 169, 600-603.	0.7	90
17	Structural redetermination, thermal expansion and refractive indices of KLu(WO4)2. Journal of Applied Crystallography, 2006, 39, 230-236.	1.9	85
18	Passively mode-locked Yb:KLu(WO4)2 oscillators. Optics Express, 2005, 13, 3465.	1.7	81

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Thulium doped monoclinic KLu(WO4)2 single crystals: growth and spectroscopy. Applied Physics B: Lasers and Optics, 2007, 87, 707-716.	1.1	68
23	Laser operation of the new stoichiometric crystal KYb(WO 4) 2. Applied Physics B: Lasers and Optics, 2002, 74, 185-189.	1.1	67
24	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
25	Crystallization Region, Crystal Growth, and Phase Transitions of KNd(PO3)4. Chemistry of Materials, 2003, 15, 5059-5064.	3.2	64
26	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
27	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
28	Tm:KLu(WO_4)_2 microchip laser Q-switched by a graphene-based saturable absorber. Optics Express, 2015, 23, 14108.	1.7	59
29	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
30	Microchip Yb:CaLnAlO_4 lasers with up to 91% slope efficiency. Optics Letters, 2017, 42, 2431.	1.7	57
31	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
32	Crystal growth, spectroscopic studies and laser operation of Yb3+-doped potassium lutetium tungstate. Optical Materials, 2006, 28, 519-523.	1.7	53
33	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
34	Optical spectroscopy of Pr3+in KGd(WO4)2single crystals. Journal of Physics Condensed Matter, 2000, 12, 8531-8550.	0.7	52
35	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
36	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

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37	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
38	Crystal Growth, Structural Characterization, and Linear Thermal Evolution of KGd(PO3)4. Chemistry of Materials, 2005, 17, 822-828.	3.2	48
39	Growth and characterisation of monoclinic KGd1â^'xREx(WO4)2 single crystals. Optical Materials, 1999, 13, 33-40.	1.7	47
40	Thermal properties of monoclinic KLu(WO_4)_2 as a promising solid state laser host. Optics Express, 2008, 16, 5022.	1.7	47
41	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
42	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
43	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
44	Enhancement of the Erbium Concentration in RbTiOPO4by Codoping with Niobium. Chemistry of Materials, 2000, 12, 3171-3180.	3.2	45
45	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
46	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
47	Growth, optical characterization, and laser operation of epitaxial Yb:KY(WO[sub 4])[sub 2]â^•KY(WO[sub) Tj ETQq1 1 0.784314 rgBT /C	1.5	43
48	Thin-disk Yb:KLu(WO_4)_2 laser with single-pass pumping. Optics Letters, 2008, 33, 735.	1.7	43
49	MoS_2 saturable absorber for passive Q-switching of Yb and Tm microchip lasers. Optical Materials Express, 2016, 6, 3262.	1.6	43
50	Femtosecond-laser-written Tm:KLu(WO_4)_2 waveguide lasers. Optics Letters, 2017, 42, 1169.	1.7	43
51	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
52	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
53	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
54	Microchip laser operation of Tm,Ho:KLu(WO_4)_2 crystal. Optics Express, 2014, 22, 27976.	1.7	40

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55	Thermal Lensing and Multiwatt Microchip Laser Operation of Yb:YCOB Crystals. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	40
56	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
57	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
58	Graphene mode-locked femtosecond Yb:KLuW laser. Applied Physics Letters, 2012, 101, .	1.5	39
59	Crystal growth and spectroscopic characterization ofTm3+-dopedKYb(WO4)2single crystals. Physical Review B, 2002, 66, .	1.1	38
60	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
61	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
62	Fluorescence dynamics and rate equation analysis in Er3+ and Yb3+ doped double tungstates. Applied Optics, 2006, 45, 4715.	2.1	37
63	Synthesis, Structural, and Optical Properties in Monoclinic Er:KYb(WO4)2 Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 15497-15506.	1.5	37
64	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
65	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
66	Modelling of graphene Q-switched Tm lasers. Optics Communications, 2017, 389, 15-22.	1.0	36
67	Crystal growth, optical spectroscopy and laser action of Tm^3+-doped monoclinic magnesium tungstate. Optics Express, 2017, 25, 3682.	1.7	36
68	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
69	Growth, spectroscopy and laser operation of Yb:KGd(PO3)4single crystals. Optics Express, 2007, 15, 2360.	1.7	35
70	In-band-pumped Ho:KLu(WO_4)_2 microchip laser with 84% slope efficiency. Optics Letters, 2015, 40, 344.	1.7	35
71	Thermo-optic coefficients of monoclinic KLu(WO4)2. Applied Physics B: Lasers and Optics, 2009, 95, 653-656.	1.1	34
72	Solâ€“gel Pechini synthesis and optical spectroscopy of nanocrystalline La2O3 doped with Eu3+. Optical Materials, 2010, 32, 1686-1692.	1.7	34

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73	Conditions and Possibilities for Rare-Earth Doping of KTiOPO4Flux-Grown Single Crystals. Chemistry of Materials, 1997, 9, 2745-2749.	3.2	33
74	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
75	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
76	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
77	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
78	Synthesis and structure of chloro(ligand)bis(diphenylglyoximato)cobalt(III) complexes. Inorganica Chimica Acta, 1987, 127, 153-159.	1.2	31
79	Blue luminescence in Tm3+-doped KGd(WO4)2 single crystals. Journal of Luminescence, 2004, 106, 109-114.	1.5	31
80	Fast aging treatment for the synthesis of hydrocalumites using microwaves. Applied Clay Science, 2013, 80-81, 313-319.	2.6	31
81	Subnanosecond Tm:KLuW microchip laser Q-switched by a Cr:ZnS saturable absorber. Optics Letters, 2015, 40, 5220.	1.7	31
82	Microchip laser operation of Yb-doped gallium garnets. Optical Materials Express, 2016, 6, 46.	1.6	31
83	Heuristic modelling of laser written mid-infrared LiNbO_3 stressed-cladding waveguides. Optics Express, 2016, 24, 7777.	1.7	31
84	Luminescent nanothermometry using short-wavelength infrared light. Journal of Alloys and Compounds, 2018, 746, 710-719.	2.8	30
85	Prospects of monoclinic Yb:KLu(WO_4)_2 crystal for multi-watt microchip lasers. Optical Materials Express, 2015, 5, 661.	1.6	29
86	Sub-nanosecond Yb:KLu(WO_4)_2 microchip laser. Optics Letters, 2016, 41, 2620.	1.7	29
87	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
88	Sensitization ofEr3+emission at1.5Î¼mbyYb3+inKYb(WO4)2single crystals. Physical Review B, 2002, 66, .	1.1	27
89	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
90	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

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91	Linear Thermal Expansion Tensor in KRE(WO₄)₂ (RE=Gd, Y,) Tj ETQq1 1 0.784314 rgBT	0.3	26
92	Optical characterization of Tm3+-doped KGd(WO4)2 single crystals. Optical Materials, 2004, 25, 71-77.	1.7	26
93	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
94	Growth, spectroscopy and laser operation of Ho:KY(WO 4) 2. Journal of Luminescence, 2016, 179, 50-58.	1.5	26
95	Infrared-to-green up-conversion in Er3+, Yb3+-doped monoclinic KGd(WO4)2 single crystals. Optical Materials, 2004, 27, 475-479.	1.7	25
96	Fully Porous GaN pâ€“n Junction Diodes Fabricated by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2014, 6, 17954-17964.	4.0	25
97	Mid-infrared surface plasmon polariton chemical sensing on fiber-coupled ITO coated glass. Optics Letters, 2016, 41, 2493.	1.7	25
98	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
99	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
100	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
101	Sb2Te3 thin film for the passive Q-switching of a Tm:GdVO4 laser. Optical Materials Express, 2018, 8, 1723.	1.6	24
102	Unstable growth of ADP crystals. Journal of Crystal Growth, 1979, 47, 518-526.	0.7	23
103	Phase Transitions in RbTiOPO4Doped with Niobium. Chemistry of Materials, 2003, 15, 2730-2736.	3.2	23
104	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
105	Ultrasound-assisted reconstruction and delamination studies on CaAl layered double hydroxides. Applied Clay Science, 2015, 118, 116-123.	2.6	23
106	Optofluidic device for the quantification of circulating tumor cells in breast cancer. Scientific Reports, 2017, 7, 3677.	1.6	23
107	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
108	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

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109	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
110	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
111	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
112	Growth and Structural Characterization of Rb2Ti1.01Er0.99(PO4)3. Chemistry of Materials, 2003, 15, 204-211.	3.2	22
113	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
114	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
115	UV-excited piezo-optical effects in oxide nanocrystals incorporated into PMMA matrices. Acta Materialia, 2008, 56, 5677-5684.	3.8	22
116	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
117	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
118	New strategies invonving upconverting nanoparticles for determining moderate temperatures by luminescence thermometry. Journal of Luminescence, 2016, 169, 711-716.	1.5	22
119	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
120	Crystal morphology of ADP (NH4H2PO4): A qualitative approach. Journal of Crystal Growth, 1984, 69, 527-536.	0.7	21
121	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
122	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
123	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
124	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
125	Effect of Thermal Annealing on the Kinetics of Rehydroxylation of Eu³⁺:La₂O₃ Nanocrystals. Inorganic Chemistry, 2012, 51, 6139-6146.	1.9	21
126	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

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127	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
128	Study of Local Inertial Focusing Conditions for Spherical Particles in Asymmetric Serpentines. Fluids, 2020, 5, 1.	0.8	21
129	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
130	Upconversion luminescence of Tm3+ sensitized by Yb3+ ions in monoclinic KGd(WO4)2 single crystals. Optical Materials, 2007, 30, 222-226.	1.7	20
131	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
132	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
133	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
134	Disordered Tm3+,Ho3+-codoped CNGG garnet crystal: Towards efficient laser materials for ultrashort pulse generation at â¼2Âĺm. Journal of Alloys and Compounds, 2021, 853, 157100.	2.8	20
135	Fs-laser-written thulium waveguide lasers Q-switched by graphene and MoS₂. Optics Express, 2019, 27, 8745.	1.7	20
136	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
137	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
138	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
139	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
140	Stabilization of Î²-BaB2O4 in the system BaB2O4â€“Na2Oâ€“Nd2O3. Journal of Crystal Growth, 1999, 207, 104-111.	0.7	18
141	A new self-doubling material: RbTiOPO4:(Nb,Ln). Optical Materials, 2003, 24, 425-430.	1.7	18
142	Laser operation of Yb^3+ in the acentric RbTiOPO_4 codoped with Nb^5+. Optics Letters, 2007, 32, 1929.	1.7	18
143	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
144	Effect of Pt Nanoparticles on the Optical Gas Sensing Properties of WO3 Thin Films. Sensors, 2014, 14, 11427-11443.	2.1	18

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145	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
146	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO_4 crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
147	Monoclinic Tm:MgWO4 crystal: Crystal-field analysis, tunable and vibronic laser demonstration. Journal of Alloys and Compounds, 2018, 763, 581-591.	2.8	18
148	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
149	Growth, spectroscopy and first laser operation of monoclinic Ho3+:MgWO4 crystal. Journal of Luminescence, 2019, 213, 316-325.	1.5	18
150	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
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