

Joan J Carvajal

List of Publications by Year in descending order

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192
papers

2,822
citations

293460

24
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263392

45
g-index

196
all docs

196
docs citations

196
times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	RESULTS OF A TRAINING INTERVENTION TO IMPROVE PHD SUPERVISION PRACTICES. INTED Proceedings, 2022, , .	0.0	2
2	Luminescence nanothermometry via white light emission in Ho ³⁺ , Tm ³⁺ :Y ₂ O ₃ colloidal nanocrystals. Journal of Luminescence, 2022, 247, 118854.	1.5	3
3	Stoichiometric dependence and laser heating effect on the luminescence thermometric performance of Er ³⁺ , Yb ³⁺ : YuGdwVO ₄ microparticles in the non-saturation regime. Materials Research Bulletin, 2022, 151, 111801.	2.7	4
4	Excitation power density dependence of a primary luminescent thermometer based on Er ³⁺ , Yb ³⁺ : GdVO ₄ microcrystals operating in the visible. Journal of Alloys and Compounds, 2022, 921, 166020.	2.8	12
5	Synthesis of monoclinic Ho,Tm:KLu(WO ₄) ₂ microrods with high photothermal conversion efficiency <i>via</i> a thermal decomposition-assisted method. Journal of Materials Chemistry C, 2021, 9, 2024-2036.	2.7	6
6	Lanthanide doped luminescence nanothermometers in the biological windows: strategies and applications. Nanoscale, 2021, 13, 7913-7987.	2.8	121
7	A new role of Yb ³⁺ "an energy reservoir for lanthanide upconversion luminescence. Nanoscale, 2021, 13, 9978-9988.	2.8	9
8	Effect of the Size and Shape of Ho, Tm:KLu(WO ₄) ₂ Nanoparticles on Their Self-Assessed Photothermal Properties. Nanomaterials, 2021, 11, 485.	1.9	5
9	Tailoring Wettability Properties of GaN Epitaxial Layers through Surface Porosity Induced during CVD Deposition. Langmuir, 2021, 37, 14622-14627.	1.6	4
10	Stokes and anti-Stokes operating conditions dependent luminescence thermometric performance of Er ³⁺ -doped and Er ³⁺ , Yb ³⁺ co-doped GdVO ₄ microparticles in the non-saturation regime. Journal of Alloys and Compounds, 2020, 814, 152197.	2.8	49
11	Short-wavelength infrared self-assessed photothermal agents based on Ho,Tm:KLu(WO ₄) ₂ nanocrystals operating in the third biological window (1.45–1.96 μm wavelength range). Journal of Materials Chemistry C, 2020, 8, 180-191.	2.7	23
12	Bifunctional Tm ³⁺ ,Yb ³⁺ :GdVO ₄ @SiO ₂ Core-Shell Nanoparticles in HeLa Cells: Upconversion Luminescence Nanothermometry in the First Biological Window and Biolabelling in the Visible. Nanomaterials, 2020, 10, 993.	1.9	27
13	Self-monitored biological nanoheaters operating in the first biological window based on single-band red upconversion nanoparticles fabricated through architectural design. Journal of Alloys and Compounds, 2020, 842, 155602.	2.8	11
14	Investigation of antireflective and hydrophobic properties in polycrystalline GaN films with dual porosity produced by CVD. Scientific Reports, 2019, 9, 11686.	1.6	5
15	Liquid Surface Tension and Refractive Index Sensor Based on a Side-Hole Fiber Bragg Grating. IEEE Photonics Technology Letters, 2019, 31, 947-950.	1.3	7
16	Plasmon-induced dual-wavelength operation in a Yb ³⁺ laser. Light: Science and Applications, 2019, 8, 14.	7.7	20
17	Mapping Temperature Distribution Generated by Photothermal Conversion in Graphene Film Using Er,Yb:NaYF ₄ Nanoparticles Prepared by Microwave-Assisted Solvothermal Method. Frontiers in Chemistry, 2019, 7, 88.	1.8	12
18	Upconversion thermometry: a new tool to measure the thermal resistance of nanoparticles. Nanoscale, 2018, 10, 6602-6610.	2.8	139

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19	Luminescent nanothermometry using short-wavelength infrared light. Journal of Alloys and Compounds, 2018, 746, 710-719.	2.8	30
20	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
21	Anisotropic enhancement of Yb ³⁺ luminescence by disordered plasmonic networks self-assembled on RbTiOPO ₄ ferroelectric crystals. Nanoscale, 2017, 9, 16166-16174.	2.8	11
22	(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
23	Optical and structural characterisation of epitaxial nanoporous GaN grown by CVD. Nanotechnology, 2017, 28, 375701.	1.3	7
24	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
25	Direct confocal lifetime measurements on rare-earth-doped media exhibiting radiation trapping. Optical Materials Express, 2017, 7, 527.	1.6	10
26	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO ₄ crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
27	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
28	Luminescence thermometry and imaging in the second biological window at high penetration depth with Nd:KGd(WO ₄) ₂ nanoparticles. Journal of Materials Chemistry C, 2016, 4, 7397-7405.	2.7	59
29	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
30	New strategies involving upconverting nanoparticles for determining moderate temperatures by luminescence thermometry. Journal of Luminescence, 2016, 169, 711-716.	1.5	22
31	Determination of photothermal conversion efficiency of graphene and graphene oxide through an integrating sphere method. Carbon, 2016, 103, 134-141.	5.4	113
32	Benefits of Silica Core-Shell Structures on the Temperature Sensing Properties of Er,Yb:GdVO ₄ Up-Conversion Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 7266-7273.	4.0	136
33	Ho,Yb:KLu(WO ₄) 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
34	(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
35	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
36	Oriented Single-Walled Carbon Nanotubes as Saturable Absorber for Passive Q-Switching of a Tm:KLuW Microchip Laser. , 2015, , .		0

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37	Epitaxial growth of (0001) oriented porous GaN layers by chemical vapour deposition. CrystEngComm, 2014, 16, 10255-10261.	1.3	9
38	New strategies for luminescence thermometry in the biological range using upconverting nanoparticles. , 2014, , .		2
39	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
40	White light upconversion in Yb-sensitized (Tm, Ho)-doped KLu(WO ₄) ₂ nanocrystals: the effect of Eu incorporation. Physical Chemistry Chemical Physics, 2014, 16, 1679-1686.	1.3	17
41	Crystal growth, optical spectroscopy, and continuous-wave laser operation of Ho:KLu(WO ₄) ₂ crystals. Applied Physics B: Lasers and Optics, 2014, 116, 455-466.	1.1	15
42	Er:Yb:NaY ₂ F ₅ O up-converting nanoparticles for sub-tissue fluorescence lifetime thermal sensing. Nanoscale, 2014, 6, 9727.	2.8	131
43	Formation of polycrystalline TiO ₂ on the ablated surfaces of RbTiOPO ₄ single crystals by thermal annealing. CrystEngComm, 2014, 16, 4281-4288.	1.3	2
44	Fully Porous GaN p-n Junction Diodes Fabricated by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2014, 6, 17954-17964.	4.0	25
45	Upconversion emission in (Ln,Yb):KLu(WO ₄) ₂ nanocrystals for white light generation. Journal of Physics: Conference Series, 2014, 480, 012005.	0.3	1
46	Blue SHG Enhancement by Silver Nanocubes Photochemically Prepared on a RbTiOPO ₄ Ferroelectric Crystal. Advanced Materials, 2014, 26, 6447-6453.	11.1	12
47	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y ₃ ScAl ₄ O ₁₂ Ceramics. Journal of Physical Chemistry C, 2014, 118, 13781-13789.	1.5	7
48	Porous GaN and High- $\hat{\rho}$ MgO $\hat{\rho}$ GaN MOS Diode Layers Grown in a Single Step on Silicon. Chemistry of Materials, 2014, 26, 1243-1249.	3.2	6
49	Effect of the La(OH) ₃ preparation method on the surface and rehydroxylation properties of resulting La ₂ O ₃ nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
50	Waveguide laser modelling of Erbium/Ytterbium activated monoclinic double tungstates. Optical and Quantum Electronics, 2013, 45, 349-356.	1.5	6
51	(Ho, Tm, Yb): KLuW nanoparticles, an efficient thermometry sensor in the biological range. Proceedings of SPIE, 2013, , .	0.8	1
52	Low resistivity electrical contacting of porous n-type GaN layers due to reduced workfunction intermetallic seed layers. Proceedings of SPIE, 2013, , .	0.8	0
53	Optimization of dopant concentration in Ho:KLu(WO ₄) ₂ laser achieving $\hat{\rho}$ 70% slope efficiency. Laser Physics, 2013, 23, 125801.	0.6	5
54	New microarchitectures of (Er,Yb):Lu ₂ O ₃ nanocrystals embedded in PMMA: synthesis, structural characterization, and luminescent properties. Nanoscale Research Letters, 2013, 8, 385.	3.1	4

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55	Tm ³⁺ -based waveguide lasers in monoclinic double tungstates. Journal of Luminescence, 2013, 133, 262-267.	1.5	3
56	Diode-pumped continuous-wave laser operation of co-doped (Ho,Tm):KLu(WO ₄) ₂ monoclinic crystal. Optics and Laser Technology, 2013, 54, 326-328.	2.2	6
57	Europium doping in KLu(WO ₄) ₂ . Journal of Luminescence, 2013, 138, 77-82.	1.5	13
58	Low-threshold, mirrorless emission at 981 nm in an Yb,Gd,Lu:KYW inverted rib waveguide laser. Proceedings of SPIE, 2013, , .	0.8	1
59	Dual-wavelength diode-pumped laser operation of N p-cut and N g-cut Tm:KLu(WO ₄) ₂ crystals. Applied Physics B: Lasers and Optics, 2013, 113, 125-131.	1.1	9
60	Femtosecond-Laser Microstructuring of Ribs on Active (Yb,Nb):RTP/RTP Planar Waveguides. Journal of Lightwave Technology, 2013, 31, 385-390.	2.7	7
61	Channel waveguides on RbTiOPO ₄ by Cs ⁺ ion exchange. Optics Letters, 2013, 38, 323.	1.7	4
62	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
63	2-¼m waveguide lasers in monoclinic double tungstates. , 2013, , .		0
64	Fabrication of p-type porous GaN on silicon and epitaxial GaN. Applied Physics Letters, 2013, 103, .	1.5	11
65	Fabrication of ridge waveguides by femtosecond-laser structuring of (Yb, Nb):RTP/RTP using beam multiplexing with a Spatial Light Modulator. , 2013, , .		0
66	High-Efficiency Thin-Disk Tm-Laser Based on 5 at. % Tm:KLu(WO ₄) ₂ /KLu(WO ₄) ₂ Epitaxy. , 2012, , .		0
67	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
68	Dielectric properties of Yb ³⁺ and Nb ⁵⁺ doped RbTiOPO ₄ single crystals. Journal of Applied Physics, 2012, 111, 034106.	1.1	7
69	Diode-pumped 2¼m vibronic (Tm ³⁺ , Yb ³⁺):KLu(WO ₄) ₂ laser. Applied Optics, 2012, 51, 2701.	0.9	6
70	Chemical Vapor Deposition of Porous GaN Particles on Silicon. Microscopy and Microanalysis, 2012, 18, 905-911.	0.2	14
71	Passive Q-switching of the diode pumped Tm ³⁺ :KLu(WO ₄) ₂ laser near 2-µm with Cr ²⁺ :ZnS saturable absorbers. Optics Express, 2012, 20, 3394.	1.7	41
72	Passive Q-switching of a diode-pumped (Tm,Yb):KLu(WO ₄) ₂ laser near 2¼m with a Cr ²⁺ :ZnS saturable absorber. Proceedings of SPIE, 2012, , .	0.8	2

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73	Ho:KRE(WO ₄) ₂ , RE=(Y, Gd, Lu), CW laser performance near 2.1 micron under resonant pumping by a Tm:KLu(WO ₄) ₂ laser. Proceedings of SPIE, 2012, , .	0.8	0
74	Nano Focus: Energy migration in core-shell nanoparticles allows expansion of the range of upconversion emissions. MRS Bulletin, 2012, 37, 6-6.	1.7	0
75	Nano Focus: Tailored nanowire with embedded quantum dot yields bright single-photon source. MRS Bulletin, 2012, 37, 462-463.	1.7	1
76	Strategies to tailor the UV absorption band of Eu ³⁺ :La ₂ O ₃ downshifting nanocrystals. , 2012, , .		1
77	Effect of Thermal Annealing on the Kinetics of Rehydroxylation of Eu ³⁺ :La ₂ O ₃ Nanocrystals. Inorganic Chemistry, 2012, 51, 6139-6146.	1.9	21
78	Reduced Workfunction Intermetallic Seed Layers Allow Growth of Porous In-GaN and Low Resistivity, Ohmic Electron Transport. ACS Applied Materials & Interfaces, 2012, 4, 6927-6934.	4.0	8
79	Crystal growth, characterization and thin disk laser operation of KLu _{1-x} Tm _x (WO ₄) ₂ /KLu(WO ₄) ₂ epitaxial layers. CrystEngComm, 2012, 14, 223-229.		3
80	Polarization switching in the 2-Åm Tm:KLu(WO ₄) ₂ laser. Laser Physics Letters, 2012, 9, 104-109.	0.6	14
81	Preface: Solid state lasers 50 years after. Optical Materials, 2012, 34, 497-498.	1.7	0
82	Spectroscopic characterization of sol-gel synthesized Tm:Lu ₂ O ₃ nanocrystals. Applied Physics B: Lasers and Optics, 2012, 106, 409-417.	1.1	12
83	2.08 μm Ho:KLu(WO ₄) ₂ laser resonantly pumped by a diode laser. , 2011, , .		0
84	Crystal growth and characterization of RbTi _{1-x} Y _x Nb _y OPO ₄ /RbTiOPO ₄ (001) non-linear optical epitaxial layers. CrystEngComm, 2011, 13, 2015.	1.3	13
85	Continuous-wave and Q-switched Tm-doped KY(WO ₄) ₂ planar waveguide laser at 184 Åm. Optics Express, 2011, 19, 1449.	1.7	46
86	Continuous-wave laser generation at ~21 Åm in Ho:KRE(WO ₄) ₂ (RE = Y, Gd, Lu) crystals: a comparative study. Optics Express, 2011, 19, 25279.	1.7	23
87	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
88	Analysis of confinement effects on microstructured Ln ³⁺ :KY _{1-x} Gd _x Lu _y (WO ₄) ₂ waveguides. Optical Materials Express, 2011, 1, 306.	1.6	3
89	Y ₂ O ₃ :Tb ³⁺ /Tm ³⁺ phosphors: New materials for thermometry. MRS Bulletin, 2011, 36, 245-245.	1.7	0
90	KY _{0.58} Gd _{0.22} Lu _{0.17} Tm _{0.03} (WO ₄) ₂ buried rib waveguide lasers. Optical Materials, 2011, 34, 475-480.	1.7	6

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91	Synthesis and characterization of core-shell SiO ₂ @(Er ³⁺ ,Yb ³⁺):Lu ₂ O ₃ . Optical Materials, 2011, 34, 355-359.	1.7	8
92	Surface ablation of RbTiOPO ₄ by femtosecond laser. Optical Materials, 2011, 34, 207-214.	1.7	8
93	Introduction to IUMRS World Materials Summits. Progress in Natural Science: Materials International, 2011, 21, 187-188.	1.8	0
94	Pulsed 2-micron lasers based on Tm ³⁺ -doped monoclinic double tungstate crystals. Proceedings of SPIE, 2011, , .	0.8	1
95	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
96	White upconversion luminescence in nanocrystalline (Ho,Tm,Yb):KLu(WO ₄) ₂ phosphor. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2676-2679.	0.8	10
97	Continuous-wave co-lasing in a monoclinic co-doped (Ho,Tm):KLu(WO ₄) ₂ crystal. Laser Physics Letters, 2011, 8, 799-803.	0.6	21
98	Polymer composite P3HT:Eu ³⁺ doped La ₂ O ₃ nanoparticles as a down-converter material to improve the solar spectrum energy. Optical Materials, 2011, 33, 1120-1123.	1.7	17
99	Synthesis and structural characterization of Tm:Lu ₂ O ₃ nanocrystals. An approach towards new laser ceramics. Optical Materials, 2011, 33, 722-727.	1.7	7
100	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
101	Polarization switching in the 2- μ m Tm:KLu(WO ₂) ₄ laser. , 2011, , .		0
102	Simultaneous Dual-Wavelength Laser Operation in Co-Doped (Ho,Tm):KLu(WO ₄) ₂ Crystal. , 2011, , .		0
103	Diode-Pumped Ho-Doped KLu(WO ₄) ₂ Laser at 2.08 μ m. Applied Physics Express, 2011, 4, 072601.	1.1	17
104	Tm-doped KY(WO ₄) ₂ Planar Waveguide Laser Operating in the Continuous-wave and Q-switched Regimes. , 2011, , .		0
105	Effect of Ho ³⁺ in (Tm ³⁺ ,Yb ³⁺): KLu(WO ₄) ₂ nanocrystals for RGB light generation. , 2011, , .		0
106	Ring-Resonator Design Allows Wide Wavelength Selectivity in Integrated Al ₂ O ₃ :Er ³⁺ Ring Lasers on Silicon. MRS Bulletin, 2010, 35, 109-110.	1.7	0
107	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
108	Structural characterization and ytterbium spectroscopy in Sc ₂ O ₃ nanocrystals. Journal of Luminescence, 2010, 130, 1437-1443.	1.5	13

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109	Synthesis of Tm:Lu ₂ O ₃ nanocrystals for phosphor blue applications. Physics Procedia, 2010, 8, 142-150.	1.2	17
110	CW laser operation around 2- $\frac{1}{4}$ μ m in (Tm,Y b):KLu(WO ₄) ₂ . Physics Procedia, 2010, 8, 157-161.	1.2	1
111	Photoluminescence and cathodoluminescence of Eu: La ₂ O ₃ nanoparticles synthesized by several methods. Physics Procedia, 2010, 8, 114-120.	1.2	15
112	Fabrication of photonic structures in crystals of the KTiOPO ₄ family by ultrafast laser ablation. Physics Procedia, 2010, 8, 126-135.	1.2	1
113	Green light waveguide demonstration on Y b:Nb:RbTiOPO ₄ /RbTiOPO ₄ epitaxial layers. Physics Procedia, 2010, 8, 136-141.	1.2	0
114	Monoclinic double tungstate lattice matched epitaxial layers for integrated optics applications. Physics Procedia, 2010, 8, 151-156.	1.2	6
115	xml:ns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll" style="font-size: 100%; font-family: serif; font-weight: normal;">Growth and spectroscopy of (Ho, Tb):KLu(WO ₄) ₂ thin disk laser. Optics Express, 2010, 18, 7843-7852.	1.2	6
116	Epitaxial layers of KY _{1-x} Lu _x (WO ₄) ₂ doped with Er ³⁺ and Tm ³⁺ for planar waveguide lasers. Optical Materials, 2010, 32, 469-474.	1.7	21
117	Sol-gel Pechini synthesis and optical spectroscopy of nanocrystalline La ₂ O ₃ doped with Eu ³⁺ . Optical Materials, 2010, 32, 1686-1692.	1.7	34
118	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
119	Waveguiding demonstration on Yb:Nb:RbTiOPO ₄ /RbTiOPO ₄ (001) epitaxies grown by LPE. Optical Materials, 2010, 32, 1648-1651.	1.7	6
120	Synthesis, structural and optical characterization of Eu:KYb(WO ₄) ₂ nanocrystals: A promising red phosphor. Optical Materials, 2010, 32, 1493-1500.	1.7	17
121	A Promising Lu ₂ O ₃ :Ho ₃₊ Laser Nanoceramic: Synthesis and Characterization. Journal of the American Ceramic Society, 2010, 93, 3764-3772.	1.9	14
122	Exploring the possibilities of Eu ³⁺ :La ₂ O ₃ nanoparticles as an approach for down conversion processes in solar energy systems. Proceedings of SPIE, 2010, , .	0.8	1
123	Analysis of linear and nonlinear optical properties of diffraction gratings inscribed on the surface of single crystals of the KTiOPO ₄ family. , 2010, , .		0
124	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
125	High-Temperature Solution Growth: Application to Laser and Nonlinear Optical Crystals. , 2010, , 725-757.		1
126	Broad emission band of Yb ³⁺ in the nonlinear Nb:RbTiOPO ₄ crystal: origin and applications. Optics Express, 2010, 18, 7228.	1.7	12

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127	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
128	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
129	Exploring Waveguiding Properties of Heavily Doped $\text{Yb}^{3+}:\text{KLu}(\text{WO}_4)_2$ Epitaxial Layers. IEEE Photonics Journal, 2010, 2, 482-489.	1.0	7
130	Continuous-wave lasing of monoclinic Ho:KLu(WO ₄) ₂ under in-band excitation by a diode-pumped Tm:KLu(WO ₄) ₂ laser. , 2010, , .		0
131	Composition-dependent dielectric properties of RbTiOPO ₄ single crystals. Applied Physics Letters, 2009, 95, .	1.5	9
132	Evidences of the existence of a correlation between structural stress and laser operation in monoclinic double tungstate epitaxial lasers. , 2009, , .		0
133	Synthesis and characterization of KTiOPO ₄ nanocrystals and their PMMA nanocomposites. Nanotechnology, 2009, 20, 035705.	1.3	14
134	Thermo-optic coefficients of monoclinic KLu(WO ₄) ₂ . Applied Physics B: Lasers and Optics, 2009, 95, 653-656.	1.1	34
135	New approaches for the fabrication of photonic structures of nonlinear optical materials. Journal of Luminescence, 2009, 129, 1441-1447.	1.5	3
136	Near-infrared photoluminescence from Ho ³⁺ -doped monoclinic KLu(WO ₄) ₂ crystal codoped with Tm ³⁺ . Journal of Luminescence, 2009, 129, 1882-1885.	1.5	14
137	Physical properties of self-flux and WO ₃ -containing solutions useful for growing type III KGd(PO ₃) ₄ single crystals. Journal of Crystal Growth, 2009, 311, 3656-3660.	0.7	7
138	Crystal growth, characterization and spectroscopic study of europium-doped NaY(PO ₃) ₄ . Journal of Crystal Growth, 2009, 311, 4360-4364.	0.7	7
139	Lattice location and short range ordering of doping ions in RbTiOPO ₄ . Applied Physics Letters, 2009, 94, .	1.5	7
140	Morphology Control in As-Grown GaN Nanoporous Particles. Crystal Growth and Design, 2009, 9, 320-326.	1.4	16
141	Epitaxial Growth of Lattice Matched KY ₂ Lu ₂ (WO ₄) ₂ Thin Films on KY ₂ (WO ₄) ₂ Substrates for Waveguiding Applications. Crystal Growth and Design, 2009, 9, 3525-3531.	1.4	40
142	Thermal properties of the monoclinic KGd(PO ₃) ₄ . , 2009, , .		0
143	Passive mode-locking of a Tm-doped bulk laser near 2 μ m using a carbon nanotube saturable absorber. Optics Express, 2009, 17, 11007.	1.7	163
144	Effect of Structural Stress on the Laser Quality of Highly Doped Yb:KY ₂ (WO ₄) ₂ and Yb:KLu(WO ₄) ₂ Epitaxial Structures. Crystal Growth and Design, 2009, 9, 653-656.	1.4	9

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145	Silicon Nitride Membrane Dynamic Masking Allows Improved Shapes of Near-Field Optical Apertures Fabricated by FIB. MRS Bulletin, 2009, 34, 5-6.	1.7	0
146	Confocal Annular Aperture Microscopy and NAIL Allow High Lateral Resolution in Backside Imaging of Integrated Circuits. MRS Bulletin, 2009, 34, 397-397.	1.7	0
147	Quasicrystalline Order Revealed in Nanoparticle Superlattices. MRS Bulletin, 2009, 34, 892-892.	1.7	7
148	Hybrid Dual Porosity CNTs Function as Sliding Electrical Contacts. MRS Bulletin, 2009, 34, 785-785.	1.7	0
149	Ionic Conduction of Tetravalent Ti Ion Observed in NASICON-Type Crystals Modified by Introduction of High-Valence Elements. MRS Bulletin, 2009, 34, 301-301.	1.7	0
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