

Daniel Jaque

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380
papers

15,419
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57
h-index

110
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415
ext. papers

17,477
ext. citations

5.3
avg, IF

6.8
L-index

#	Paper	IF	Citations
380	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , 2014 , 6, 9494-530	7.7	1205
379	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , 2010 , 4, 3254-8	16.7	1082
378	Luminescence nanothermometry. <i>Nanoscale</i> , 2012 , 4, 4301-26	7.7	969
377	NIR-to-NIR two-photon excited CaF ₂ :Tm ³⁺ ,Yb ³⁺ nanoparticles: multifunctional nanoprobes for highly penetrating fluorescence bio-imaging. <i>ACS Nano</i> , 2011 , 5, 8665-71	16.7	342
376	Subtissue thermal sensing based on neodymium-doped LaF ₃ nanoparticles. <i>ACS Nano</i> , 2013 , 7, 1188-99	16.7	290
375	Properties of Nd ³⁺ -doped and undoped tetragonal PbWO ₄ , NaY(WO ₄) ₂ , CaWO ₄ , and undoped monoclinic ZnWO ₄ and CdWO ₄ as laser-active and stimulated raman scattering-active crystals. <i>Applied Optics</i> , 1999 , 38, 4533-47	1.7	249
374	CdSe quantum dots for two-photon fluorescence thermal imaging. <i>Nano Letters</i> , 2010 , 10, 5109-15	11.5	239
373	Intratumoral Thermal Reading During Photo-Thermal Therapy by Multifunctional Fluorescent Nanoparticles. <i>Advanced Functional Materials</i> , 2015 , 25, 615-626	15.6	224
372	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , 2016 , 16, 1695-703	11.5	209
371	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , 2015 , 3, 687-694	8.1	203
370	In Vivo Luminescence Nanothermometry: from Materials to Applications. <i>Advanced Optical Materials</i> , 2017 , 5, 1600508	8.1	192
369	2005 ,		180
368	1.3 μ m emitting SrF ₂ :Nd ³⁺ nanoparticles for high contrast in vivo imaging in the second biological window. <i>Nano Research</i> , 2015 , 8, 649-665	10	167
367	Intracellular imaging of HeLa cells by non-functionalized NaYF ₄ : Er ³⁺ , Yb ³⁺ upconverting nanoparticles. <i>Nanoscale</i> , 2010 , 2, 495-8	7.7	165
366	Neodymium-doped LaF ₃ nanoparticles for fluorescence bioimaging in the second biological window. <i>Small</i> , 2014 , 10, 1141-54	11	163
365	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. <i>Advanced Materials</i> , 2015 , 27, 4781-7	24	149
364	Inorganic nanoparticles for optical bioimaging. <i>Advances in Optics and Photonics</i> , 2016 , 8, 1	16.7	139

363	Highly efficient laser action in femtosecond-written Nd:yttrium aluminum garnet ceramic waveguides. <i>Applied Physics Letters</i> , 2008 , 92, 111103	3.4	133
362	Standardizing luminescence nanothermometry for biomedical applications. <i>Nanoscale</i> , 2020 , 12, 14405-14421	14.21	119
361	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. <i>Advanced Functional Materials</i> , 2017 , 27, 1702249	15.6	118
360	Refractive index change mechanisms in femtosecond laser written ceramic Nd:YAG waveguides: micro-spectroscopy experiments and beam propagation calculations. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 85-96	1.9	118
359	Er:Yb:NaY2F5O up-converting nanoparticles for sub-tissue fluorescence lifetime thermal sensing. <i>Nanoscale</i> , 2014 , 6, 9727-33	7.7	113
358	Advances and challenges for fluorescence nanothermometry. <i>Nature Methods</i> , 2020 , 17, 967-980	21.6	112
357	Red, green, and blue laser light from a single Nd:YAl3(BO3)4 crystal based on laser oscillation at 1.3 μ m. <i>Applied Physics Letters</i> , 1999 , 75, 325-327	3.4	111
356	Yb3+/Tm3+ co-doped NaNbO3 nanocrystals as three-photon-excited luminescent nanothermometers. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 65-71	8.5	104
355	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , 2014 , 9, 1047-62	5.6	104
354	Thermal Scanning at the Cellular Level by an Optically Trapped Upconverting Fluorescent Particle. <i>Advanced Materials</i> , 2016 , 28, 2421-6	24	103
353	CdTe quantum dots as nanothermometers: towards highly sensitive thermal imaging. <i>Small</i> , 2011 , 7, 1774-8	11	102
352	High-sensitivity fluorescence lifetime thermal sensing based on CdTe quantum dots. <i>Small</i> , 2012 , 8, 2652-8	2.8	101
351	Nd3+ doped LaF3 nanoparticles as self-monitored photo-thermal agents. <i>Applied Physics Letters</i> , 2014 , 104, 053703	3.4	99
350	PbS/CdS/ZnS Quantum Dots: A Multifunctional Platform for In Vivo Near-Infrared Low-Dose Fluorescence Imaging. <i>Advanced Functional Materials</i> , 2015 , 25, 6650-6659	15.6	98
349	Self-monitored photothermal nanoparticles based on core-shell engineering. <i>Nanoscale</i> , 2016 , 8, 3057-66.7	6.7	92
348	Infrared-Emitting QDs for Thermal Therapy with Real-Time Subcutaneous Temperature Feedback. <i>Advanced Functional Materials</i> , 2016 , 26, 6060-6068	15.6	92
347	Optical bands and energy levels of ion in the nonlinear laser crystal. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 9715-9729	1.8	91
346	Heating efficiency of multi-walled carbon nanotubes in the first and second biological windows. <i>Nanoscale</i> , 2013 , 5, 7882-9	7.7	89

345	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. <i>ACS Nano</i> , 2018 , 12, 4362-4368	16.7	88
344	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , 2015 , 118, 143104	2.5	86
343	Water (H ₂ O and D ₂ O) Dispersible NIR-to-NIR Upconverting Yb ³⁺ /Tm ³⁺ -Doped MF ₂ (M = Ca, Sr) Colloids: Influence of the Host Crystal. <i>Crystal Growth and Design</i> , 2013 , 13, 4906-4913	3.5	85
342	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. <i>Nanoscale</i> , 2012 , 4, 3647-50	7.7	85
341	Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. <i>Advanced Materials</i> , 2016 , 28, 10188-10193	24	83
340	Energy transfer with migration. Generalization of the Yokota-Imamoto model for any kind of multipole interaction. <i>Journal of Chemical Physics</i> , 1999 , 111, 1191-1194	3.9	82
339	Growth, spectroscopic, and laser properties of Yb ³⁺ -doped Lu ₃ Al ₅ O ₁₂ garnet crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 676	1.7	81
338	Nd ³⁺ -Yb ³⁺ energy transfer in the YAl ₃ (BO ₃) ₄ nonlinear laser crystal. <i>Physical Review B</i> , 2003 , 68,	3.3	81
337	Reliability of rare-earth-doped infrared luminescent nanothermometers. <i>Nanoscale</i> , 2018 , 10, 22319-22328	3.8	78
336	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. <i>Nanoscale</i> , 2012 , 4, 298-302	7.7	75
335	70% slope efficiency from an ultrafast laser-written Nd:GdVO ₄ channel waveguide laser. <i>Optics Express</i> , 2010 , 18, 24994-9	3.3	75
334	Ag/Ag ₂ S Nanocrystals for High Sensitivity Near-Infrared Luminescence Nanothermometry. <i>Advanced Functional Materials</i> , 2017 , 27, 1604629	15.6	73
333	Quantum dot thermometry evaluation of geometry dependent heating efficiency in gold nanoparticles. <i>Langmuir</i> , 2014 , 30, 1650-8	4	72
332	In vivo autofluorescence in the biological windows: the role of pigmentation. <i>Journal of Biophotonics</i> , 2016 , 9, 1059-1067	3.1	71
331	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , 2010 , 18, 23544-53	3.3	70
330	Femtosecond laser inscribed cladding waveguides in Nd:YAG ceramics: fabrication, fluorescence imaging and laser performance. <i>Optics Express</i> , 2012 , 20, 18620-9	3.3	69
329	Coherent light generation from a Nd:SBN nonlinear laser crystal through its ferroelectric phase transition. <i>Physical Review Letters</i> , 2005 , 95, 267401	7.4	66
328	Quantum dot-based thermal spectroscopy and imaging of optically trapped microspheres and single cells. <i>Small</i> , 2013 , 9, 2162-70	11	63

327	LaF3 core/shell nanoparticles for subcutaneous heating and thermal sensing in the second biological-window. <i>Applied Physics Letters</i> , 2016 , 108, 253103	3.4	63
326	Real-time deep-tissue thermal sensing with sub-degree resolution by thermally improved Nd3+:LaF3 multifunctional nanoparticles. <i>Journal of Luminescence</i> , 2016 , 175, 149-157	3.8	61
325	Diffuse multiselection-frequency conversion processes in the blue and green by quasicylindrical ferroelectric domains in Nd3+:Sr0.6Ba0.4(NbO3)2 laser crystal. <i>Applied Physics Letters</i> , 2001 , 78, 1961-1963	3.4	61
324	Comparison of optical spectra of Nd3+ in NdAl3(BO3)4(NAB), Nd:GdAl3(BO3)4(NGAB) and Nd:Gd0.2Y0.8Al3(BO3)4(NGYAB) crystals. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 1171-1178	1.8	58
323	Rare-earth-doped fluoride nanoparticles with engineered long luminescence lifetime for time-gated in vivo optical imaging in the second biological window. <i>Nanoscale</i> , 2018 , 10, 17771-17780	7.7	57
322	Continuous-wave laser properties of the self-frequency-doubling YAl3(BO3)4: Nd crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 1656	1.7	57
321	Nanosecond Nd3+:LuVO4 self-Raman laser. <i>Laser Physics Letters</i> , 2009 , 6, 374-379	1.5	56
320	Rare earth and transition metal ion centers in LiNbO3. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 1571-1581	4.4	55
319	Blue-light laser source by sum-frequency mixing in Nd:YAl3(BO3)4. <i>Applied Physics Letters</i> , 1998 , 73, 3659-3661	3.55	55
318	Optical Torques on Upconverting Particles for Intracellular Microrheometry. <i>Nano Letters</i> , 2016 , 16, 8005-8014	5.4	54
317	Neodymium-Based Stoichiometric Ultrasmall Nanoparticles for Multifunctional Deep-Tissue Photothermal Therapy. <i>Advanced Optical Materials</i> , 2016 , 4, 782-789	8.1	54
316	In Vivo Early Tumor Detection and Diagnosis by Infrared Luminescence Transient Nanothermometry. <i>Advanced Functional Materials</i> , 2018 , 28, 1803924	15.6	54
315	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601195	10.1	53
314	Optical characterization and laser gain modeling of a NdAl3(BO3)4 (NAB) microchip laser crystal. <i>Journal of Applied Physics</i> , 2001 , 90, 561-569	2.5	52
313	Vortex lattice channeling effects in Nb films induced by anisotropic arrays of mesoscopic pinning centers. <i>Physical Review B</i> , 2002 , 65,	3.3	51
312	Continuous wave laser radiation at 524 nm from a self-frequency-doubled laser of LaBGeO5:Nd3+. <i>Applied Physics Letters</i> , 1998 , 72, 531-533	3.4	51
311	Optical trapping of NaYF4:Er3+,Yb3+ upconverting fluorescent nanoparticles. <i>Nanoscale</i> , 2013 , 5, 12192-12197	7.7	50
310	Rare-Earth Spontaneous Emission Control in Three-Dimensional Lithium Niobate Photonic Crystals. <i>Advanced Materials</i> , 2009 , 21, 3526-3530	24	50

309	Upconverting Nanoparticle to Quantum Dot Förster Resonance Energy Transfer: Increasing the Efficiency through Donor Design. <i>ACS Photonics</i> , 2018 , 5, 2261-2270	6.3	49
308	Femtosecond laser written surface waveguides fabricated in Nd:YAG ceramics. <i>Optics Express</i> , 2007 , 15, 13266-71	3.3	49
307	Infrared continuous-wave laser gain in neodymium aluminum borate: A promising candidate for microchip diode-pumped solid state lasers. <i>Applied Physics Letters</i> , 2000 , 76, 2176-2178	3.4	49
306	Luminescent nanoprobe for thermal bio-sensing: Towards controlled photo-thermal therapies. <i>Journal of Luminescence</i> , 2016 , 169, 394-399	3.8	48
305	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. <i>Nanoscale</i> , 2019 , 11, 19251-19264	7.7	47
304	Spectral Distortions of Infrared Luminescent Nanothermometers Compromise Their Reliability. <i>ACS Nano</i> , 2020 , 14, 4122-4133	16.7	47
303	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1406-14	9.5	47
302	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. <i>Nanomedicine</i> , 2013 , 8, 379-88	5.6	47
301	Ion migration assisted inscription of high refractive index contrast waveguides by femtosecond laser pulses in phosphate glass. <i>Optics Letters</i> , 2013 , 38, 5248-51	3	47
300	Optomagnetic Nanoplatforms for In Situ Controlled Hyperthermia. <i>Advanced Functional Materials</i> , 2018 , 28, 1704434	15.6	46
299	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <i>Cancers</i> , 2012 , 4, 1067-105	6.6	46
298	Continuous wave laser generation at 1064 nm in femtosecond laser inscribed Nd:YVO4 channel waveguides. <i>Applied Physics Letters</i> , 2010 , 97, 031119	3.4	46
297	In Vivo Contactless Brain Nanothermometry. <i>Advanced Functional Materials</i> , 2018 , 28, 1806088	15.6	46
296	Core-shell rare-earth-doped nanostructures in biomedicine. <i>Nanoscale</i> , 2018 , 10, 12935-12956	7.7	46
295	Nd 3+ ions in nanomedicine: Perspectives and applications. <i>Optical Materials</i> , 2017 , 63, 185-196	3.3	45
294	Femtosecond-laser-written, stress-induced Nd:YVO4 waveguides preserving fluorescence and Raman gain. <i>Optics Letters</i> , 2010 , 35, 916-8	3	45
293	Upconverting nanocomposites with combined photothermal and photodynamic effects. <i>Nanoscale</i> , 2018 , 10, 791-799	7.7	45
292	Nd3+ ion based self frequency doubling solid state lasers. <i>Optical Materials</i> , 1999 , 13, 147-157	3.3	44

291	Bi-functional laser and non-linear optical crystals. <i>Optical Materials</i> , 2006 , 28, 310-323	3.3	43
290	Assessing Single Upconverting Nanoparticle Luminescence by Optical Tweezers. <i>Nano Letters</i> , 2015 , 15, 5068-74	11.5	42
289	Beyond Phototherapy: Recent Advances in Multifunctional Fluorescent Nanoparticles for Light-Triggered Tumor Theranostics. <i>Advanced Functional Materials</i> , 2018 , 28, 1803733	15.6	42
288	Luminescence based temperature bio-imaging: Status, challenges, and perspectives. <i>Applied Physics Reviews</i> , 2021 , 8, 011317	17.3	42
287	Phase transition in SrxBa _{1-x} Nb ₂ O ₆ ferroelectric crystals probed by Raman spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 4930-4934	3	41
286	Spectroscopic characterisation of the Tm ³⁺ doped KLa(WO ₄) ₂ single crystals. <i>Optical Materials</i> , 2006 , 28, 980-987	3.3	40
285	Swift nitrogen ion irradiated waveguide lasers in Nd:YAG crystal. <i>Optics Express</i> , 2011 , 19, 5522-7	3.3	39
284	Confocal Raman imaging of optical waveguides in LiNbO ₃ fabricated by ultrafast high-repetition rate laser-writing. <i>Optics Express</i> , 2008 , 16, 13979-89	3.3	39
283	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , 2013 , 133, 249-253	3.8	37
282	Optical trapping for biosensing: materials and applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 9085-9101	7.3	37
281	Ultrafast laser writing of optical waveguides in ceramic Yb:YAG: a study of thermal and non-thermal regimes. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 301-309	2.6	37
280	Ion-implanted optical channel waveguides in neodymium-doped yttrium aluminum garnet transparent ceramics for integrated laser generation. <i>Optics Letters</i> , 2009 , 34, 28-30	3	37
279	Anisotropic lattice changes in femtosecond laser inscribed Nd ³⁺ :MgO:LiNbO ₃ optical waveguides. <i>Journal of Applied Physics</i> , 2009 , 106, 013110	2.5	37
278	Self-frequency-sum mixing in Nd doped nonlinear crystals for laser generation in the three fundamental colours. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 204-209	5.7	37
277	Time resolved spectroscopy of infrared emitting AgS nanocrystals for subcutaneous thermometry. <i>Nanoscale</i> , 2017 , 9, 2505-2513	7.7	36
276	Upconversion nanoparticles for in vivo applications: limitations and future perspectives. <i>Methods and Applications in Fluorescence</i> , 2019 , 7, 022001	3.1	36
275	Monolithic crystalline cladding microstructures for efficient light guiding and beam manipulation in passive and active regimes. <i>Scientific Reports</i> , 2014 , 4, 5988	4.9	36
274	High resolution fluorescence imaging of damage regions in H ⁺ ion implanted Nd:MgO:LiNbO ₃ channel waveguides. <i>Applied Physics Letters</i> , 2009 , 94, 011109	3.4	36

273	Determining the 3D orientation of optically trapped upconverting nanorods by in situ single-particle polarized spectroscopy. <i>Nanoscale</i> , 2016 , 8, 300-8	7.7	35
272	Swift heavy-ion irradiated active waveguides in Nd:YAG crystals: fabrication and laser generation. <i>Optics Letters</i> , 2010 , 35, 3276-8	3	35
271	Continuous-wave diode-pumped Yb:glass laser with near 90% slope efficiency. <i>Applied Physics Letters</i> , 2006 , 89, 121101	3.4	35
270	Optical investigation of femtosecond laser induced microstress in neodymium doped lithium niobate crystals. <i>Journal of Applied Physics</i> , 2006 , 100, 033521	2.5	35
269	Spectral and thermal properties of quasiphase-matching second-harmonic-generation in Nd ³⁺ :Sr _{0.6} Ba _{0.4} (NbO ₃) ₂ multiselect-frequency-converter nonlinear crystals. <i>Journal of Applied Physics</i> , 2003 , 93, 3111-3113	2.5	35
268	Simultaneous generation of coherent light in the three fundamental colors by quasicylindrical ferroelectric domains in Sr _{0.6} Ba _{0.4} (NbO ₃) ₂ . <i>Applied Physics Letters</i> , 2002 , 81, 4106-4108	3.4	35
267	Accurate In Vivo Nanothermometry through NIR-II Lanthanide Luminescence Lifetime. <i>Small</i> , 2020 , 16, e2004118	11	34
266	Absorption efficiency of gold nanorods determined by quantum dot fluorescence thermometry. <i>Applied Physics Letters</i> , 2012 , 100, 201110	3.4	34
265	Direct laser writing of near-IR step-index buried channel waveguides in rare earth doped YAG. <i>Optics Letters</i> , 2011 , 36, 3395-7	3	34
264	Thermally resistant waveguides fabricated in Nd:YAG ceramics by crossing femtosecond damage filaments. <i>Optics Letters</i> , 2010 , 35, 330-2	3	34
263	Doping Lanthanide Ions in Colloidal Semiconductor Nanocrystals for Brighter Photoluminescence. <i>Chemical Reviews</i> , 2021 , 121, 1425-1462	68.1	34
262	Ultrafast photochemistry produces superbright short-wave infrared dots for low-dose in vivo imaging. <i>Nature Communications</i> , 2020 , 11, 2933	17.4	33
261	Compact, highly efficient ytterbium doped bismuthate glass waveguide laser. <i>Optics Letters</i> , 2012 , 37, 1691-3	3	33
260	Scanning confocal fluorescence imaging and micro-Raman investigations of oxygen implanted channel waveguides in Nd:MgO:LiNbO ₃ . <i>Applied Physics Letters</i> , 2008 , 92, 161908	3.4	33
259	Spectroscopic and laser properties of Nd ³⁺ in SBN. <i>Journal of Luminescence</i> , 2000 , 87-89, 877-879	3.8	33
258	Room-temperature continuous wave laser oscillations in Nd:YAG ceramic waveguides produced by carbon ion implantation. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 837-840	1.9	32
257	Ultrafast laser fabrication of low-loss waveguides in chalcogenide glass with 0.65 dB/cm loss. <i>Optics Letters</i> , 2012 , 37, 1418-20	3	32
256	Fluorescence quantum efficiency and Auger upconversion losses of the stoichiometric laser crystal NdAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2005 , 72,	3.3	32

255	Effects of pump heating on laser and spectroscopic properties of the Nd:[YAl ₃ (BO ₃) ₄] self-frequency-doubling laser. <i>Journal of Applied Physics</i> , 2000 , 87, 1042-1048	2.5	32
254	Continuous wave laser radiation at 669 nm from a self-frequency-doubled laser of YAl ₃ (BO ₃) ₄ :Nd ³⁺ . <i>Applied Physics Letters</i> , 1999 , 74, 1788-1790	3.4	32
253	Infrared fluorescence imaging of infarcted hearts with Ag ₂ S nanodots. <i>Nano Research</i> , 2019 , 12, 749-757	10	31
252	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Nd-Doped Infrared-Emitting Nanoparticles. <i>Small</i> , 2016 , 12, 5394-5400	11	31
251	Self-frequency-summing NYAB laser for tunable blue generation. <i>Optical Materials</i> , 1999 , 13, 311-317	3.3	31
250	Order in driven vortex lattices in superconducting Nb films with nanostructured pinning potentials. <i>Physical Review B</i> , 2002 , 65,	3.3	30
249	Up-conversion luminescence in the Nd ³⁺ :YAB self frequency doubling laser crystal. <i>Optical Materials</i> , 1998 , 10, 211-217	3.3	29
248	Nd ³⁺ -doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ garnet: A new optical pressure sensor. <i>Journal of Applied Physics</i> , 2013 , 113, 213517	2.5	28
247	Ion-implanted optical-stripe waveguides in neodymium-doped calcium barium niobate crystals. <i>Optics Letters</i> , 2009 , 34, 1438-40	3	28
246	Thermal hysteresis in the luminescence of Cr ³⁺ ions in Sr _{0.6} Ba _{0.4} (NbO ₃) ₂ . <i>Applied Physics Letters</i> , 2004 , 84, 2787-2789	3.4	28
245	Evaluation of ytterbium doped strontium barium niobate as a potential tunable laser crystal in the visible. <i>Journal of Applied Physics</i> , 2004 , 95, 6185-6191	2.5	28
244	Anisotropic pinning enhancement in Nb films with arrays of submicrometric Ni lines. <i>Applied Physics Letters</i> , 2002 , 81, 2851-2853	3.4	28
243	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. <i>Nano Research</i> , 2018 , 11, 676-685	10	28
242	Luminescence of lanthanide ions in strontium barium niobate. <i>Journal of Luminescence</i> , 2007 , 122-123, 307-310	3.8	27
241	Lattice micro-modifications induced by Zn diffusion in Nd:LiNbO ₃ channel waveguides probed by Nd ³⁺ confocal micro-luminescence. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 201-204	1.9	27
240	Continuous-wave laser oscillation at 929nm from a Nd ³⁺ -doped LiNbO ₃ :ZnO nonlinear laser crystal: A powerful tool for blue laser light generation. <i>Applied Physics Letters</i> , 2004 , 85, 19-21	3.4	27
239	Continuous wave laser radiation and self-frequency-doubling in ZnO doped LiNbO ₃ :Nd ³⁺ . <i>Optics Communications</i> , 1999 , 161, 253-256	2	27
238	Femtosecond laser written waveguides with MoS ₂ as saturable absorber for passively Q-switched lasing. <i>Optical Materials Express</i> , 2016 , 6, 367	2.6	27

- 237 On the existence of two states in liquid water: impact on biological and nanoscopic systems. *International Journal of Nanotechnology*, **2016**, 13, 667 1.5 26
- 236 Waveguide lasers based on dielectric materials. *Optical Materials*, **2012**, 34, 555-571 3.3 26
- 235 Persistent luminescence nanothermometers. *Applied Physics Letters*, **2017**, 111, 081901 3.4 26
- 234 Laser gain in femtosecond microstructured Nd:MgO:LiNbO₃ crystals. *Applied Physics B: Lasers and Optics*, **2006**, 83, 559-563 1.9 26
- 233 Ag₂S Nanoheaters with Multiparameter Sensing for Reliable Thermal Feedback during In Vivo Tumor Therapy. *Advanced Functional Materials*, **2020**, 30, 2002730 15.6 26
- 232 Thulium doped LaF₃ for nanothermometry operating over 1000 nm. *Nanoscale*, **2019**, 11, 8864-8869 7.7 25
- 231 High-resolution confocal fluorescence thermal imaging of tightly pumped microchip Nd:YAG laser ceramics. *Applied Physics B: Lasers and Optics*, **2012**, 107, 697-701 1.9 25
- 230 Improvement of MgF₂ thin coating films for laser applications. *Optical Materials*, **2007**, 29, 783-787 3.3 25
- 229 Nonlinear-laser effects in NH₄H₂PO₄(ADP) and ND₄D₂PO₄(DADP) single crystals: almost two-octave multi-wavelength Stokes and anti-Stokes combs, cascaded lasing in UV and visible ranges with the involving of the second and third harmonic generation. *Laser Physics Letters*, **2008**, 5, 532-542 1.5 25
- 228 Temperature dependence of Nd³⁺-f³⁺ energy transfer in the YAl₃(BO₃)₄ nonlinear laser crystal. *Journal of Applied Physics*, **2005**, 97, 093510 2.5 25
- 227 A pump-power-controlled luminescent switcher. *Applied Physics Letters*, **2005**, 86, 011920 3.4 25
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