

# Daniel Jaque

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3939744/daniel-jaque-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

380  
papers

15,419  
citations

57  
h-index

110  
g-index

415  
ext. papers

17,477  
ext. citations

5.3  
avg, IF

6.8  
L-index

#	Paper	IF	Citations
380	Boosting the Near-Infrared Emission of AgS Nanoparticles by a Controllable Surface Treatment for Bioimaging Applications.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	1
379	Lanthanide doped nanoheaters with reliable and absolute temperature feedback. <i>Physica B: Condensed Matter</i> , <b>2022</b> , 631, 413652	2.8	2
378	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles.. <i>ACS Photonics</i> , <b>2022</b> , 9, 559-566	6.3	1
377	New opportunities for light-based tumor treatment with an "iron fist".. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 65	16.7	2
376	Optical detection of atherosclerosis at molecular level by optical coherence tomography: An in vitro study.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2022</b> , 102556	6	0
375	Reliable and Remote Monitoring of Absolute Temperature During Liver Inflammation via Luminescence Lifetime-Based Nanothermometry. <i>Advanced Materials</i> , <b>2021</b> , e2107764	24	6
374	Reaching Deeper: Absolute In Vivo Thermal Reading of Liver by Combining Superbright AgS Nanothermometers and In Silico Simulations. <i>Advanced Science</i> , <b>2021</b> , 8, 2003838	13.6	4
373	Luminescence based temperature bio-imaging: Status, challenges, and perspectives. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 011317	17.3	42
372	Hyperspectral Imaging and Optical Trapping: Complementary Tools for Assessing Direction-Dependent Polarized Emission from Single Upconverting LiYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Microparticles. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100101	8.1	9
371	Infrared-Emitting Multimodal Nanostructures for Controlled In Vivo Magnetic Hyperthermia. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100077	24	11
370	Doping Lanthanide Ions in Colloidal Semiconductor Nanocrystals for Brighter Photoluminescence. <i>Chemical Reviews</i> , <b>2021</b> , 121, 1425-1462	68.1	34
369	, Nanoparticle-Enabled Fluorescence Imaging?. <i>ACS Nano</i> , <b>2021</b> , 15, 1917-1941	16.7	16
368	Switching to the brighter lane: pathways to boost the absorption of lanthanide-doped nanoparticles. <i>Nanoscale Horizons</i> , <b>2021</b> , 6, 209-230	10.8	12
367	Molecular Imaging of Infarcted Heart by Biofunctionalized Gold Nanoshells. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002186	10.1	2
366	In Vivo Near-Infrared Imaging Using Ternary Selenide Semiconductor Nanoparticles with an Uncommon Crystal Structure. <i>Small</i> , <b>2021</b> , 17, e2103505	11	1
365	Laser Refrigeration by an Ytterbium-Doped NaYF Microspinner. <i>Small</i> , <b>2021</b> , 17, e2103122	11	4
364	Nanojet Trapping of a Single Sub-10nm Upconverting Nanoparticle in the Full Liquid Water Temperature Range. <i>Small</i> , <b>2021</b> , 17, e2006764	11	10

363	Accurate In Vivo Nanothermometry through NIR-II Lanthanide Luminescence Lifetime. <i>Small</i> , <b>2020</b> , 16, e2004118	11	34
362	Instantaneous In Vivo Imaging of Acute Myocardial Infarct by NIR-II Luminescent Nanodots. <i>Small</i> , <b>2020</b> , 16, e1907171	11	10
361	Ultrafast photochemistry produces superbright short-wave infrared dots for low-dose in vivo imaging. <i>Nature Communications</i> , <b>2020</b> , 11, 2933	17.4	33
360	Spectral Distortions of Infrared Luminescent Nanothermometers Compromise Their Reliability. <i>ACS Nano</i> , <b>2020</b> , 14, 4122-4133	16.7	47
359	Standardizing luminescence nanothermometry for biomedical applications. <i>Nanoscale</i> , <b>2020</b> , 12, 14405-14421	17.7	119
358	10-Fold Quantum Yield Improvement of AgS Nanoparticles by Fine Compositional Tuning. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12500-12509	9.5	17
357	Plasmonic Copper Sulfide Nanoparticles Enable Dark Contrast in Optical Coherence Tomography. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901627	10.1	12
356	Facile and fast synthesis of lanthanide nanoparticles for bio-applications <b>2020</b> , 195-228		1
355	Eu <sup>3+</sup> luminescent ions detect water density anomaly. <i>Journal of Luminescence</i> , <b>2020</b> , 223, 117263	3.8	1
354	Investigation of the concentration- and temperature-dependent motion of colloidal nanoparticles. <i>Nanoscale</i> , <b>2020</b> , 12, 12561-12567	7.7	4
353	pH dependence of water anomaly temperature investigated by Eu(III) cryptate luminescence. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 73-80	4.4	4
352	Advances and challenges for fluorescence nanothermometry. <i>Nature Methods</i> , <b>2020</b> , 17, 967-980	21.6	112
351	Autofluorescence-Free Imaging Using Polymer-Stabilized Nd-Doped YAG Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51273-51284	9.5	2
350	The near-infrared autofluorescence fingerprint of the brain. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e202000154	15.4	5
349	Biological studies of an ICG-tagged aptamer as drug delivery system for malignant melanoma. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2020</b> , 154, 228-235	5.7	10
348	Cr based nanocrystalline luminescent thermometers operating in a temporal domain. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25949-25962	3.6	10
347	Ag <sub>2</sub> S Nanoheaters with Multiparameter Sensing for Reliable Thermal Feedback during In Vivo Tumor Therapy. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002730	15.6	26
346	Exploring Single-Nanoparticle Dynamics at High Temperature by Optical Tweezers. <i>Nano Letters</i> , <b>2020</b> , 20, 8024-8031	11.5	7

345	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. <i>Nanoscale</i> , <b>2019</b> , 11, 19251-19264	7.7	47
344	Upconversion nanoparticles for in vivo applications: limitations and future perspectives. <i>Methods and Applications in Fluorescence</i> , <b>2019</b> , 7, 022001	3.1	36
343	Infrared fluorescence imaging of infarcted hearts with Ag <sub>2</sub> S nanodots. <i>Nano Research</i> , <b>2019</b> , 12, 749-757	10	31
342	Thulium doped LaF <sub>3</sub> for nanothermometry operating over 1000 nm. <i>Nanoscale</i> , <b>2019</b> , 11, 8864-8869	7.7	25
341	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 529-539	3.3	9
340	Synthesis and characterization of AgS and AgS/Ag(S,Se) NIR nanocrystals. <i>Nanoscale</i> , <b>2019</b> , 11, 9194-9200	7	14
339	Femtosecond Laser Writing of Optical Waveguides by Self-Induced Multiple Refocusing in LiTaO <sub>3</sub> Crystal. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3452-3458	4	11
338	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 503-503	3.3	
337	Single-Cell Biodetection by Upconverting Microspinners. <i>Small</i> , <b>2019</b> , 15, e1904154	11	15
336	Upconverting Nanorockers for Intracellular Viscosity Measurements During Chemotherapy. <i>Advanced Biology</i> , <b>2019</b> , 3, e1900082	3.5	6
335	Optomagnetic Nanoplatfoms for In Situ Controlled Hyperthermia. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704434	15.6	46
334	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. <i>ACS Nano</i> , <b>2018</b> , 12, 4362-4368	16.7	88
333	Light-Activated Upconverting Spinners. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800161	8.1	8
332	Upconverting Nanoparticle to Quantum Dot Förster Resonance Energy Transfer: Increasing the Efficiency through Donor Design. <i>ACS Photonics</i> , <b>2018</b> , 5, 2261-2270	6.3	49
331	Compositional Tuning of Light-to-Heat Conversion Efficiency and of Optical Properties of Superparamagnetic Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 16389-16396	3.8	4
330	Invited Article: Experimental evaluation of gold nanoparticles as infrared scatterers for advanced cardiovascular optical imaging. <i>APL Photonics</i> , <b>2018</b> , 3, 080803	5.2	12
329	The Temperature of an Optically Trapped, Rotating Microparticle. <i>ACS Photonics</i> , <b>2018</b> , 5, 3772-3778	6.3	14
328	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> , <b>2018</b> , 10, 17771-17780	7.7	57

327	Beyond Phototherapy: Recent Advances in Multifunctional Fluorescent Nanoparticles for Light-Triggered Tumor Theranostics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803733	15.6	42
326	Optical Nanoparticles for Cardiovascular Imaging. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800626	8.1	16
325	Effect of H <sub>2</sub> O and D <sub>2</sub> O Thermal Anomalies on the Luminescence of Eu <sup>3+</sup> Aqueous Complexes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14838-14845	3.8	8
324	Plug and Play Anisotropy-Based Nanothermometers. <i>ACS Photonics</i> , <b>2018</b> , 5, 2676-2681	6.3	6
323	Optical Forces at the Nanoscale: Size and Electrostatic Effects. <i>Nano Letters</i> , <b>2018</b> , 18, 602-609	11.5	23
322	Upconverting nanocomposites with combined photothermal and photodynamic effects. <i>Nanoscale</i> , <b>2018</b> , 10, 791-799	7.7	45
321	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. <i>Nano Research</i> , <b>2018</b> , 11, 676-685	10	28
320	On the change of paraelectric behavior of water at T = T* = 60 °C as a polar liquid. <i>Ferroelectrics</i> , <b>2018</b> , 533, 108-114	0.6	
319	Reliability of rare-earth-doped infrared luminescent nanothermometers. <i>Nanoscale</i> , <b>2018</b> , 10, 22319-22328	7.8	78
318	In Vivo Contactless Brain Nanothermometry. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806088	15.6	46
317	In Vivo Early Tumor Detection and Diagnosis by Infrared Luminescence Transient Nanothermometry. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803924	15.6	54
316	Core-shell rare-earth-doped nanostructures in biomedicine. <i>Nanoscale</i> , <b>2018</b> , 10, 12935-12956	7.7	46
315	Nd 3+ ions in nanomedicine: Perspectives and applications. <i>Optical Materials</i> , <b>2017</b> , 63, 185-196	3.3	45
314	Dynamic single gold nanoparticle visualization by clinical intracoronary optical coherence tomography. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 674-682	3.1	14
313	Time resolved spectroscopy of infrared emitting AgS nanocrystals for subcutaneous thermometry. <i>Nanoscale</i> , <b>2017</b> , 9, 2505-2513	7.7	36
312	Unveiling Molecular Changes in Water by Small Luminescent Nanoparticles. <i>Small</i> , <b>2017</b> , 13, 1700968	11	14
311	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601195	10.1	53
310	Ag/Ag <sub>2</sub> S Nanocrystals for High Sensitivity Near-Infrared Luminescence Nanothermometry. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604629	15.6	73

309	Quantum Dots Emitting in the Third Biological Window as Bimodal Contrast Agents for Cardiovascular Imaging. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703276	15.6	21
308	Persistent luminescence nanothermometers. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 081901	3.4	26
307	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702249	15.6	118
306	CoreShell Engineering to Enhance the Spectral Stability of Heterogeneous Luminescent Nanofluids. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700276	3.1	7
305	Optical trapping for biosensing: materials and applications. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 9085-9101	7.3	37
304	Development and Investigation of Ultrastable PbS/CdS/ZnS Quantum Dots for Near-Infrared Tumor Imaging. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1600242	3.1	21
303	In Vivo Luminescence Nanothermometry: from Materials to Applications. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600508	8.1	192
302	Avoiding induced heating in optical trap <b>2017</b> ,		2
301	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Nd-Doped Infrared-Emitting Nanoparticles. <i>Small</i> , <b>2016</b> , 12, 5394-5400	11	31
300	Optical Torques on Upconverting Particles for Intracellular Microrheometry. <i>Nano Letters</i> , <b>2016</b> , 16, 8005-8014	15.4	54
299	On the existence of two states in liquid water: impact on biological and nanoscopic systems. <i>International Journal of Nanotechnology</i> , <b>2016</b> , 13, 667	1.5	26
298	In vivo autofluorescence in the biological windows: the role of pigmentation. <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 1059-1067	3.1	71
297	Thermal Scanning at the Cellular Level by an Optically Trapped Upconverting Fluorescent Particle. <i>Advanced Materials</i> , <b>2016</b> , 28, 2421-6	24	103
296	Thermo-optical and spectroscopic properties of Nd:YAG fine grain ceramics: towards a better performance than the Nd:YAG laser crystals. <i>Laser Physics Letters</i> , <b>2016</b> , 13, 025004	1.5	6
295	Determining the 3D orientation of optically trapped upconverting nanorods by in situ single-particle polarized spectroscopy. <i>Nanoscale</i> , <b>2016</b> , 8, 300-8	7.7	35
294	Stress-induced waveguides in Nd:YAG by simultaneous double-beam irradiation with femtosecond pulses. <i>Optical Materials</i> , <b>2016</b> , 51, 84-88	3.3	2
293	NIR fluorescence quenching by OH acceptors in the Nd 3+ doped KY 3 F 10 nanoparticles synthesized by microwave-hydrothermal treatment. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 661, 312-321	5.7	9
292	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , <b>2016</b> , 16, 1695-703	11.5	209

291	Real-time deep-tissue thermal sensing with sub-degree resolution by thermally improved Nd <sup>3+</sup> :LaF <sub>3</sub> multifunctional nanoparticles. <i>Journal of Luminescence</i> , <b>2016</b> , 175, 149-157	3.8	61
290	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1406-14	9.5	47
289	Self-monitored photothermal nanoparticles based on core-shell engineering. <i>Nanoscale</i> , <b>2016</b> , 8, 3057-66	6.7	92
288	Luminescent nanoprobe for thermal bio-sensing: Towards controlled photo-thermal therapies. <i>Journal of Luminescence</i> , <b>2016</b> , 169, 394-399	3.8	48
287	Two-photon luminescence thermometry: towards 3D high-resolution thermal imaging of waveguides. <i>Optics Express</i> , <b>2016</b> , 24, 16156-66	3.3	7
286	Neodymium-Based Stoichiometric Ultrasmall Nanoparticles for Multifunctional Deep-Tissue Photothermal Therapy. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 782-789	8.1	54
285	LaF <sub>3</sub> core/shell nanoparticles for subcutaneous heating and thermal sensing in the second biological-window. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 253103	3.4	63
284	Inorganic nanoparticles for optical bioimaging. <i>Advances in Optics and Photonics</i> , <b>2016</b> , 8, 1	16.7	139
283	All-optical thermal microscopy of laser-excited waveguides. <i>Optics Letters</i> , <b>2016</b> , 41, 2061-4	3	1
282	Optical lattice-like cladding waveguides by direct laser writing: fabrication, luminescence, and lasing. <i>Optics Letters</i> , <b>2016</b> , 41, 2169-72	3	10
281	Femtosecond laser written waveguides with MoS <sub>2</sub> as saturable absorber for passively Q-switched lasing. <i>Optical Materials Express</i> , <b>2016</b> , 6, 367	2.6	27
280	Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. <i>Advanced Materials</i> , <b>2016</b> , 28, 10188-10193	24	83
279	Infrared-Emitting QDs for Thermal Therapy with Real-Time Subcutaneous Temperature Feedback. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6060-6068	15.6	92
278	Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped NaNbO <sub>3</sub> nanocrystals as three-photon-excited luminescent nanothermometers. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 65-71	8.5	104
277	Assessing Single Upconverting Nanoparticle Luminescence by Optical Tweezers. <i>Nano Letters</i> , <b>2015</b> , 15, 5068-74	11.5	42
276	Intratumoral Thermal Reading During Photo-Thermal Therapy by Multifunctional Fluorescent Nanoparticles. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 615-626	15.6	224
275	Enhancing optical forces on fluorescent up-converting nanoparticles by surface charge tailoring. <i>Small</i> , <b>2015</b> , 11, 1555-61	11	16
274	1.3 $\mu$ m emitting SrF <sub>2</sub> :Nd <sup>3+</sup> nanoparticles for high contrast in vivo imaging in the second biological window. <i>Nano Research</i> , <b>2015</b> , 8, 649-665	10	167

273	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 143104	2.5	86
272	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. <i>Advanced Materials</i> , <b>2015</b> , 27, 4781-7	24	149
271	PbS/CdS/ZnS Quantum Dots: A Multifunctional Platform for In Vivo Near-Infrared Low-Dose Fluorescence Imaging. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6650-6659	15.6	98
270	Fluorescence imaging of lattice re-distribution on step-index direct laser written Nd:YAG waveguide lasers. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 023112	2.5	
269	Dielectric anomalous response of water at 60 °C. <i>Philosophical Magazine</i> , <b>2015</b> , 95, 683-690	1.6	11
268	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 687-694	8.1	203
267	Neodymium-doped LaF(3) nanoparticles for fluorescence bioimaging in the second biological window. <i>Small</i> , <b>2014</b> , 10, 1141-54	11	163
266	Quantum dot thermometry evaluation of geometry dependent heating efficiency in gold nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 1650-8	4	72
265	Gold nanorods for optimized photothermal therapy: the influence of irradiating in the first and second biological windows. <i>RSC Advances</i> , <b>2014</b> , 4, 54122-54129	3.7	23
264	Er:Yb:NaY2F5O up-converting nanoparticles for sub-tissue fluorescence lifetime thermal sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 9727-33	7.7	113
263	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , <b>2014</b> , 6, 9494-530	7.7	1205
262	Nd <sup>3+</sup> doped LaF <sub>3</sub> nanoparticles as self-monitored photo-thermal agents. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 053703	3.4	99
261	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , <b>2014</b> , 9, 1047-62	5.6	104
260	A 2D Raman analysis of low repetition rate femto-waveguides in lithium niobate by using a finite element model. <i>Optical Materials</i> , <b>2014</b> , 36, 936-940	3.3	8
259	Monolithic crystalline cladding microstructures for efficient light guiding and beam manipulation in passive and active regimes. <i>Scientific Reports</i> , <b>2014</b> , 4, 5988	4.9	36
258	Gold nanorod assisted intracellular optical manipulation of silica microspheres. <i>Optics Express</i> , <b>2014</b> , 22, 19735-47	3.3	5
257	Strong ion migration in high refractive index contrast waveguides formed by femtosecond laser pulses in phosphate glass <b>2014</b> ,		2
256	Flow effects in the laser-induced thermal loading of optical traps and optofluidic devices. <i>Optics Express</i> , <b>2014</b> , 22, 23938-54	3.3	11



255	New strategies for luminescence thermometry in the biological range using upconverting nanoparticles <b>2014</b> ,		2
254	Quantum-dot based nanothermometry in optical plasmonic recording media. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 181110	3.4	22
253	Three-dimensional microstructuring of yttrium aluminum garnet crystals for laser active optofluidic applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 041101	3.4	18
252	Thermal loading in flow-through electroporation microfluidic devices. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3119-27	7.2	11
251	Heating efficiency of multi-walled carbon nanotubes in the first and second biological windows. <i>Nanoscale</i> , <b>2013</b> , 5, 7882-9	7.7	89
250	Water (H <sub>2</sub> O and D <sub>2</sub> O) Dispersible NIR-to-NIR Upconverting Yb <sup>3+</sup> /Tm <sup>3+</sup> Doped MF <sub>2</sub> (M = Ca, Sr) Colloids: Influence of the Host Crystal. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 4906-4913	3.5	85
249	Heat in optical tweezers <b>2013</b> ,		3
248	Optical trapping of NaYF <sub>4</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> upconverting fluorescent nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 12192-97	7.7	50
247	Enhanced Second Harmonic Generation in Femtosecond Laser Inscribed Double-Cladding Waveguide of Nd:GdCOB Crystal. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3873-3878	4	2
246	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. <i>Nanomedicine</i> , <b>2013</b> , 8, 379-88	5.6	47
245	Subtissue thermal sensing based on neodymium-doped LaF <sub>3</sub> nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 1188-99	16.7	290
244	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , <b>2013</b> , 133, 249-253	3.8	37
243	Second Harmonic Generation of Violet Light in Femtosecond-Laser-Inscribed BiB <sub>3</sub> O <sub>6</sub> Cladding Waveguides. <i>MATEC Web of Conferences</i> , <b>2013</b> , 8, 06011	0.3	
242	Quantum dot-based thermal spectroscopy and imaging of optically trapped microspheres and single cells. <i>Small</i> , <b>2013</b> , 9, 2162-70	11	63
241	Nd <sup>3+</sup> -doped Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet: A new optical pressure sensor. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 213517	2.5	28
240	Femtosecond-laser inscribed double-cladding waveguides in Nd:YAG crystal: a promising prototype for integrated lasers. <i>Optics Letters</i> , <b>2013</b> , 38, 3294-7	3	17
239	Upconversion emission obtained in Yb(3+)-Er(3+) doped fluoroindate glasses using silica microspheres as focusing lens. <i>Optics Express</i> , <b>2013</b> , 21, 10667-75	3.3	12
238	Second harmonic generation of violet light in femtosecond-laser-inscribed BiB <sub>3</sub> O <sub>6</sub> cladding waveguides. <i>Optical Materials Express</i> , <b>2013</b> , 3, 1279	2.6	8

237	Ion migration assisted inscription of high refractive index contrast waveguides by femtosecond laser pulses in phosphate glass. <i>Optics Letters</i> , <b>2013</b> , 38, 5248-51	3	47
236	Response to "Critical growth temperature of aqueous CdTe quantum dots is non-negligible for their application as nanothermometers". <i>Small</i> , <b>2013</b> , 9, 3198-200	11	5
235	3D microfabrication in YAG crystals by direct laser writing and chemical etching <b>2013</b> ,		1
234	Simultaneous generation of violet, blue, and green lasers using Nd:YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> channel waveguides under pumping at 815 nm. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 1018-1021	2.5	3
233	Waveguide lasers based on dielectric materials. <i>Optical Materials</i> , <b>2012</b> , 34, 555-571	3.3	26
232	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <i>Cancers</i> , <b>2012</b> , 4, 1067-105	6.6	46
231	Evaluation of rare earth doped silica sub-micrometric spheres as optically controlled temperature sensors. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 054702	2.5	22
230	Quantum dot enabled thermal imaging of optofluidic devices. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2414-20	7.2	21
229	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. <i>Nanoscale</i> , <b>2012</b> , 4, 298-302	7.7	75
228	Absorption efficiency of gold nanorods determined by quantum dot fluorescence thermometry. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 201110	3.4	34
227	Luminescence nanothermometry. <i>Nanoscale</i> , <b>2012</b> , 4, 4301-26	7.7	969
226	High-sensitivity fluorescence lifetime thermal sensing based on CdTe quantum dots. <i>Small</i> , <b>2012</b> , 8, 2652-8		101
225	Optimum quantum dot size for highly efficient fluorescence bioimaging. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 023513	2.5	23
224	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. <i>Nanoscale</i> , <b>2012</b> , 4, 3647-50	7.7	85
223	High-resolution confocal fluorescence thermal imaging of tightly pumped microchip Nd:YAG laser ceramics. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 107, 697-701	1.9	25
222	Compact, highly efficient ytterbium doped bismuthate glass waveguide laser. <i>Optics Letters</i> , <b>2012</b> , 37, 1691-3	3	33
221	Ultrafast laser fabrication of low-loss waveguides in chalcogenide glass with 0.65 dB/cm loss. <i>Optics Letters</i> , <b>2012</b> , 37, 1418-20	3	32
220	Femtosecond laser inscribed cladding waveguides in Nd:YAG ceramics: fabrication, fluorescence imaging and laser performance. <i>Optics Express</i> , <b>2012</b> , 20, 18620-9	3.3	69

219	Raman spectroscopy characterization of LiNbO <sub>3</sub> femtosecond laser written waveguides. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 123108	2.5	10
218	NIR-to-NIR two-photon excited CaF <sub>2</sub> :Tm <sup>3+</sup> ,Yb <sup>3+</sup> nanoparticles: multifunctional nanoprobe for highly penetrating fluorescence bio-imaging. <i>ACS Nano</i> , <b>2011</b> , 5, 8665-71	16.7	342
217	Fluorescence-Quenching Free Channel Waveguides in Yb:YAG Ceramics by Carbon Ion Implantation. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1460-1464	4	6
216	Simultaneous dual-wavelength lasers at 1064 and 1342 nm in femtosecond-laser-written Nd:YVO <sub>4</sub> channel waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1607	1.7	19
215	Swift nitrogen ion irradiated waveguide lasers in Nd:YAG crystal. <i>Optics Express</i> , <b>2011</b> , 19, 5522-7	3.3	39
214	Second harmonic and raman imaging of He <sup>+</sup> implanted KTiOPO <sub>4</sub> waveguides. <i>Optics Express</i> , <b>2011</b> , 19, 13934-9	3.3	15
213	Whispering-gallery modes in glass microspheres: optimization of pumping in a modified confocal microscope. <i>Optics Letters</i> , <b>2011</b> , 36, 615-7	3	23
212	Femtosecond laser writing of multifunctional optical waveguides in a Nd:YVO <sub>4</sub> + KTP hybrid system. <i>Optics Letters</i> , <b>2011</b> , 36, 975-7	3	18
211	Thermal optimization and erasing of Nd:YAG proton beam written waveguides. <i>Optics Letters</i> , <b>2011</b> , 36, 3278-80	3	7
210	Direct laser writing of near-IR step-index buried channel waveguides in rare earth doped YAG. <i>Optics Letters</i> , <b>2011</b> , 36, 3395-7	3	34
209	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> , <b>2011</b> , 104, 301-309	2.6	37
208	Near-field local enhancement by ordered arrays of sub-wavelength scattering centers fabricated by femtosecond ablation. <i>Applied Physics B: Lasers and Optics</i> , <b>2011</b> , 103, 51-55	1.9	1
207	Room-temperature continuous wave laser oscillations in Nd:YAG ceramic waveguides produced by carbon ion implantation. <i>Applied Physics B: Lasers and Optics</i> , <b>2011</b> , 103, 837-840	1.9	32
206	CdTe quantum dots as nanothermometers: towards highly sensitive thermal imaging. <i>Small</i> , <b>2011</b> , 7, 1774-8	11	102
205	Non-linear niobate nanocrystals for two-photon imaging. <i>Optical Materials</i> , <b>2011</b> , 33, 258-266	3.3	16
204	Photoluminescence of Er-doped silicon-rich oxide thin films with high Al concentrations. <i>Physics Procedia</i> , <b>2011</b> , 13, 54-57		
203	Characterization of active waveguides fabricated by ultralow-fluence swift heavy ion irradiation in lithium niobate crystals. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 105103	3	10
202	Self-frequency-doubling of ultrafast laser inscribed neodymium doped yttrium aluminum borate waveguides. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 181103	3.4	22

201	Origin of the refractive index modification of femtosecond laser processed doped phosphate glass. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 093107	2.5	9
200	Microspectroscopy of ultrafast laser inscribed channel waveguides in Yb:tungstate crystals. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 141108	3.4	5
199	Thermal stability of microstructural and optical modifications induced in sapphire by ultrafast laser filamentation. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 033522	2.5	11
198	Ultrafast laser inscription of bistable and reversible waveguides in strontium barium niobate crystals. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 191104	3.4	10
197	Continuous wave laser generation at 1064 nm in femtosecond laser inscribed Nd:YVO4 channel waveguides. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 031119	3.4	46
196	Control of the local devitrification on oxyfluoride glass doped with Er <sup>3+</sup> ions under diode laser irradiation. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 103103	2.5	1
195	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , <b>2010</b> , 4, 3254-8	16.7	1082
194	Carbon ion implanted Nd:MgO:LiNbO(3) optical channel waveguides: an intermediate step between light and heavy ion implanted waveguides. <i>Optics Express</i> , <b>2010</b> , 18, 5951-6	3.3	13
193	Optical channel waveguides in Nd:LGS laser crystals produced by proton implantation. <i>Optics Express</i> , <b>2010</b> , 18, 16258-63	3.3	11
192	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , <b>2010</b> , 18, 23544-53	3.3	70
191	70% slope efficiency from an ultrafast laser-written Nd:GdVO4 channel waveguide laser. <i>Optics Express</i> , <b>2010</b> , 18, 24994-9	3.3	75
190	Mirrorless buried waveguide laser in monoclinic double tungstates fabricated by a novel combination of ion milling and liquid phase epitaxy. <i>Optics Express</i> , <b>2010</b> , 18, 26937-45	3.3	23
189	Thermally resistant waveguides fabricated in Nd:YAG ceramics by crossing femtosecond damage filaments. <i>Optics Letters</i> , <b>2010</b> , 35, 330-2	3	34
188	Femtosecond-laser-written, stress-induced Nd:YVO4 waveguides preserving fluorescence and Raman gain. <i>Optics Letters</i> , <b>2010</b> , 35, 916-8	3	45
187	Swift heavy-ion irradiated active waveguides in Nd:YAG crystals: fabrication and laser generation. <i>Optics Letters</i> , <b>2010</b> , 35, 3276-8	3	35
186	Microstructuring of Nd:YAG crystals by proton-beam writing. <i>Optics Letters</i> , <b>2010</b> , 35, 3898-900	3	20
185	CdSe quantum dots for two-photon fluorescence thermal imaging. <i>Nano Letters</i> , <b>2010</b> , 10, 5109-15	11.5	239
184	Intracellular imaging of HeLa cells by non-functionalized NaYF <sub>4</sub> : Er <sup>3+</sup> , Yb <sup>3+</sup> upconverting nanoparticles. <i>Nanoscale</i> , <b>2010</b> , 2, 495-8	7.7	165

183	Mirrorless Continuous Wave Laser Emission from Nd:YAG Ceramic Femtosecond-Written Waveguides. <i>Ceramic Transactions</i> , <b>2010</b> , 649-654	0.1	
182	Luminescence Quantum Efficiency of $\text{Nd}^{3+}:\text{Y}_3\text{Al}_5\text{O}_{12}$ Garnet Laser Ceramics Determined by Pump-Induced Line Broadening. <i>IEEE Journal of Quantum Electronics</i> , <b>2010</b> , 46, 1870-1876	2	7
181	Micro-luminescence and Micro-Raman Mapping of Ultrafast Laser Inscribed Yb:KGd(WO <sub>4</sub> ) <sub>2</sub> and Yb:KY(WO <sub>4</sub> ) <sub>2</sub> Channel Waveguides <b>2010</b> ,		1
180	Nonlinear refraction and absorption through phase transition in a Nd:SBN laser crystal. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	8
179	Near-field imaging of femtosecond laser ablated sub- $\mu\text{m}$ holes in lithium niobate. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 181103	3.4	8
178	Microstructural imaging of high repetition rate ultrafast laser written LiTaO <sub>3</sub> waveguides. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 081106	3.4	8
177	High resolution fluorescence imaging of damage regions in H <sup>+</sup> ion implanted Nd:MgO:LiNbO <sub>3</sub> channel waveguides. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 011109	3.4	36
176	Rare-Earth Spontaneous Emission Control in Three-Dimensional Lithium Niobate Photonic Crystals. <i>Advanced Materials</i> , <b>2009</b> , 21, 3526-3530	24	50
175	Nanosecond Nd <sup>3+</sup> :LuVO <sub>4</sub> self-Raman laser. <i>Laser Physics Letters</i> , <b>2009</b> , 6, 374-379	1.5	56
174	Q-switched nanosecond Nd <sup>3+</sup> :Ca(NbO <sub>3</sub> ) <sub>2</sub> crystalline self-Raman laser with single-step cascade SE (SE = 1.0615 $\mu\text{m}$ of 4F <sub>3/2</sub> - $\mu\text{m}$ 11/2 channel) -SRS (St <sub>1</sub> = 1.1741 $\mu\text{m}$ of BRSD04 cm <sup>-1</sup> promotion vibration mode) wavelength conversion. <i>Laser Physics Letters</i> , <b>2009</b> , 6, 782-787	1.5	18
173	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> , <b>2009</b> , 95, 85-96	1.9	118
172	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramic laser. <i>Optical Materials</i> , <b>2009</b> , 31, 725-728	3.3	4
171	Confocal micro-luminescence of Zn-diffused LiNbO <sub>3</sub> :Tm <sup>3+</sup> channel waveguides. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1698-1701	3.8	2
170	Luminescence of Er-doped silicon oxide/zirconia thin films. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 696-703	3.8	4
169	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1658-1660	3.8	6
168	Ion-implanted optical channel waveguides in neodymium-doped yttrium aluminum garnet transparent ceramics for integrated laser generation. <i>Optics Letters</i> , <b>2009</b> , 34, 28-30	3	37
167	Ion-implanted optical-stripe waveguides in neodymium-doped calcium barium niobate crystals. <i>Optics Letters</i> , <b>2009</b> , 34, 1438-40	3	28
166	High repetition rate UV ultrafast laser inscription of buried channel waveguides in Sapphire: fabrication and fluorescence imaging via ruby R lines. <i>Optics Express</i> , <b>2009</b> , 17, 10076-81	3.3	14

165	Axial birefringence induced focus splitting in lithium niobate. <i>Optics Express</i> , <b>2009</b> , 17, 17970-5	3.3	21
164	Optical channel waveguide in Nd/Ce codoped YAG laser crystal produced by carbon ion implantation. <i>Applied Optics</i> , <b>2009</b> , 48, 4514-8	0.2	6
163	Anisotropic lattice changes in femtosecond laser inscribed Nd <sup>3+</sup> :MgO:LiNbO <sub>3</sub> optical waveguides. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 013110	2.5	37
162	The effect of Nd and Mg doping on the micro-Raman spectra of LiNbO <sub>3</sub> single-crystals. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 145401	1.8	10
161	The effect of the ferroelectric domain walls in the scanning near field optical microscopy response of periodically poled Ba <sub>2</sub> Nb <sub>5</sub> O <sub>15</sub> and LiNbO <sub>3</sub> crystals. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 042201	1.8	4
160	Multicolour second harmonic generation by strontium barium niobate nanoparticles. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 102003	3	16
159	Growth of nanocrystals in a Nd <sup>3+</sup> -Yb <sup>3+</sup> codoped oxyfluoride glass by laser irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 3771-4	1.3	1
158	Luminescence of Rare Earth Ions in Strontium Barium Niobate Around the Phase Transition: The Case of Tm <sup>3+</sup> Ions. <i>Ferroelectrics</i> , <b>2008</b> , 363, 150-162	0.6	11
157	Microstructuration induced differences in the thermo-optical and luminescence properties of Nd:YAG fine grain ceramics and crystals. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 104705	3.9	24
156	Direct laser writing of three-dimensional photonic structures in Nd:yttrium aluminum garnet laser ceramics. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 151104	3.4	22
155	Lanthanide doped strontium barium niobate: Optical spectroscopy and local structure at the impurity sites. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 12-17	5.7	17
154	Dielectric anomalies in Nd <sup>3+</sup> doped Ba <sub>2</sub> Nb <sub>5</sub> O <sub>15</sub> laser crystal. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 198-200	5.7	11
153	Thermal lens and heat generation of Nd:YAG lasers operating at 1.064 and 1.34 microm. <i>Optics Express</i> , <b>2008</b> , 16, 6317-23	3.3	24
152	Confocal Raman imaging of optical waveguides in LiNbO <sub>3</sub> fabricated by ultrafast high-repetition rate laser-writing. <i>Optics Express</i> , <b>2008</b> , 16, 13979-89	3.3	39
151	Confocal Luminescence Investigations of Two-Beam Direct-UV-Written Silica-On-Silicon Waveguides. <i>IEEE Journal of Quantum Electronics</i> , <b>2008</b> , 44, 1219-1224	2	1
150	Active waveguide in Nd <sup>3+</sup> :MgO:LiNbO <sub>3</sub> crystal produced by low-dose carbon ion implantation. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 021110	3.4	9
149	Low-dose O <sup>3+</sup> -ion-implanted active optical planar waveguides in Nd : YAG crystals: guiding properties and micro-luminescence characterization. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 175112 <sup>3</sup>		9
148	Investigation of neodymium-diffused yttrium vanadate waveguides by confocal microluminescence. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 103104	2.5	11

147	Nd <sup>3+</sup> -Yb <sup>3+</sup> resonant energy transfer in the ferroelectric Sr <sub>0.6</sub> Ba <sub>0.4</sub> Nb <sub>2</sub> O <sub>6</sub> laser crystal. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	24
146	Spectroscopy of Eu <sup>3+</sup> ions in congruent strontium barium niobate crystals. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	21
145	Scanning confocal fluorescence imaging and micro-Raman investigations of oxygen implanted channel waveguides in Nd:MgO:LiNbO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2008</b> , 92, 161908	3.4	33
144	Highly efficient laser action in femtosecond-written Nd:yttrium aluminum garnet ceramic waveguides. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 111103	3.4	133
143	Laser action from Yb <sup>3+</sup> ions in the ferroelectric and paraelectric phases of strontium barium niobate. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 181107	3.4	12
142	Periodic Ferroelectric Domain Structures Characterization by Scanning Near Field Optical Microscopy. <i>Ferroelectrics</i> , <b>2008</b> , 363, 187-198	0.6	2
141	Near-field-optical-microscopy studies of micro-modifications caused by femtosecond laser irradiation in lithium niobate crystals. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 177-181	3.6	2
140	Localized desvitrification in Er <sup>3+</sup> -doped strontium barium niobate glass by laser irradiation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 977-981	2.6	6
139	Effects of laser light confinement in periodically poled orthorhombic non-centrosymmetric Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> crystals. <i>Laser Physics Letters</i> , <b>2008</b> , 5, 291-295	1.5	6
138	Nonlinear-laser effects in NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> (ADP) and ND <sub>4</sub> D <sub>2</sub> PO <sub>4</sub> (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. <i>Laser Physics Letters</i> , <b>2008</b> , 5, 532-542	1.5	25
137	Ionoluminescence of trivalent rare-earth-doped strontium barium niobate. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 735-737	3.8	6
136	Photoluminescence of Er-doped Si-SiO <sub>2</sub> and AlSi-SiO <sub>2</sub> sputtered thin films. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 897-900	3.8	5
135	Desvitrification on an oxyfluoride glass doped with Tm <sup>3+</sup> and Yb <sup>3+</sup> ions under Ar laser irradiation. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 905-907	3.8	9
134	Time-resolved study electronic and thermal contributions to the nonlinear refractive index of Nd <sup>3+</sup> :SBN laser crystals. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1013-1015	3.8	10
133	Luminescence of rare earth-doped Si <sub>3</sub> N <sub>4</sub> /ZrO <sub>2</sub> co-sputtered films. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1197-1204	3.8	22
132	Damage channeling in femtosecond laser micro-structured SBN crystals. <i>Applied Surface Science</i> , <b>2008</b> , 255, 3132-3136	6.7	
131	Low-dose ion implanted active waveguides in Nd <sup>3+</sup> doped near-stoichiometric lithium niobate: promising candidates for near infrared integrated laser. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2008</b> , 2, 141-143	2.5	2
130	Improvement of MgF <sub>2</sub> thin coating films for laser applications. <i>Optical Materials</i> , <b>2007</b> , 29, 783-787	3.3	25

129	Luminescence of lanthanide ions in strontium barium niobate. <i>Journal of Luminescence</i> , <b>2007</b> , 122-123, 307-310	3.8	27
128	Optical spectra of Tm <sup>3+</sup> -doped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 809-812		9
127	Ultraviolet nanosecond laser-assisted micro-modifications in lithium niobate monitored by Nd <sup>3+</sup> luminescence. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 87, 87-90	2.6	5
126	Lattice micro-modifications induced by Zn diffusion in Nd:LiNbO <sub>3</sub> channel waveguides probed by Nd <sup>3+</sup> confocal micro-luminescence. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 88, 201-204	1.9	27
125	BPM simulation of SNOM measurements of waveguide arrays induced by periodically poled BNN crystals. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 805-811	2.4	2
124	Effects of neodymium incorporation on the structural and luminescence properties of the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> -NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> system. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 246204	1.8	7
123	Thermal lens spectroscopy through phase transition in neodymium doped strontium barium niobate laser crystals. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 023113	2.5	13
122	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb <sub>3</sub> O) <sub>2</sub> lasers. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 053101	2.5	4
121	field optical and micro-luminescence investigations of femtosecond laser micro-structured Nd:YAG crystals. <i>Optics Express</i> , <b>2007</b> , 15, 3285-90	3.3	9
120	Time resolved confocal luminescence investigations on Reverse Proton Exchange Nd:LiNbO <sub>3</sub> (3) channel waveguides. <i>Optics Express</i> , <b>2007</b> , 15, 8805-11	3.3	24
119	Femtosecond laser written surface waveguides fabricated in Nd:YAG ceramics. <i>Optics Express</i> , <b>2007</b> , 15, 13266-71	3.3	49
118	Phase transition in Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> ferroelectric crystals probed by Raman spectroscopy. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 4930-4934	3	41
117	Phase transition induced gain depression in Nd <sup>3+</sup> :SBN lasers. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 113114	2.5	0
116	Continuous-wave diode-pumped Yb:glass laser with near 90% slope efficiency. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 121101	3.4	35
115	Bistable chromatic switching in Yb <sup>3+</sup> -doped NdPO <sub>4</sub> crystals. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	15
114	Intracavity thermal loading measurements and evaluation of the intrinsic fluorescence quantum efficiency in Yb <sup>3+</sup> :LiNbO <sub>3</sub> :MgO lasers. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 091122	3.4	1
113	Optical distortions through phase transition in the Nd <sup>3+</sup> :SBN laser crystal. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 161116	3.4	9
112	Optical investigation of femtosecond laser induced microstress in neodymium doped lithium niobate crystals. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 033521	2.5	35



111	High-pressure luminescence in Nd <sup>3+</sup> -doped MgO:LiNbO <sub>3</sub> . <i>High Pressure Research</i> , <b>2006</b> , 26, 341-344	1.6	10
110	Optical Properties of Active Ions Around the Ferro-Paraelectric Phase Transition in SBN Crystals. <i>Ferroelectrics</i> , <b>2006</b> , 337, 33-39	0.6	4
109	Femtosecond laser induced micromodifications in Nd:SBN crystals: Amorphization and luminescence inhibition. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 113517	2.5	4
108	Growth, spectroscopic, and laser properties of Yb <sup>3+</sup> -doped Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> garnet crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 676	1.7	81
107	Photo-luminescence studies of strontium barium niobate crystals doped with Cr <sup>3+</sup> ions. <i>Chemical Physics Letters</i> , <b>2006</b> , 417, 196-199	2.5	7
106	Self-activated Nd <sup>3+</sup> :Ba <sub>2</sub> Nb <sub>5</sub> O <sub>12</sub> optical super-lattices: Micro characterization and non-collinear laser light generation. <i>Optics Communications</i> , <b>2006</b> , 262, 220-223	2	11
105	Bi-functional laser and non-linear optical crystals. <i>Optical Materials</i> , <b>2006</b> , 28, 310-323	3.3	43
104	Bistable luminescence of trivalent rare-earth ions in crystals. <i>Journal of Luminescence</i> , <b>2006</b> , 119-120, 314-317	3.8	1
103	Luminescence life time and time-resolved spectroscopy of Cr <sup>3+</sup> ions in strontium barium niobate. <i>Journal of Luminescence</i> , <b>2006</b> , 119-120, 453-456	3.8	6
102	Passive Q-switching of a diode pumped Nd <sup>3+</sup> :CGGG crystal: Benefits of inhomogeneous line broadening and short pulse generation. <i>Optical Materials</i> , <b>2006</b> , 28, 408-414	3.3	16
101	Spectroscopic characterisation of the Tm <sup>3+</sup> doped KLa(WO <sub>4</sub> ) <sub>2</sub> single crystals. <i>Optical Materials</i> , <b>2006</b> , 28, 980-987	3.3	40
100	Energy transfer processes in the ytterbium doped NdPO <sub>4</sub> stoichiometric crystal. <i>Optical Materials</i> , <b>2006</b> , 28, 1280-1283	3.3	10
99	Laser gain in femtosecond microstructured Nd:MgO:LiNbO <sub>3</sub> crystals. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 83, 559-563	1.9	26
98	Temperature dependence of Nd <sup>3+</sup> →Yb <sup>3+</sup> energy transfer in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 093510	2.5	25
97	Short-pulse generation from a resonantly pumped NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> microchip laser. <i>Optics Letters</i> , <b>2005</b> , 30, 397-9	3	19
96	Monochromators and Detectors <b>2005</b> , 77-112		
95	The Optical Transparency of Solids <b>2005</b> , 113-149		
94	Optically Active Centers <b>2005</b> , 151-197		1

93 Group Theory and Spectroscopy **2005**, 235-262

92 Applications: Rare Earth and Transition Metal Ions, and Color Centers **2005**, 199-234

2

91 **2005**,

180

90 Dependence of the Refractive Indices in LiNbO<sub>3</sub>:Cr Crystals Doped with HfO<sub>2</sub>. *Materials Science Forum*, **2005**, 480-481, 423-428

0.4 2

89 Single longitudinal mode laser oscillation from a neodymium aluminium borate stoichiometric crystal. *Applied Physics Letters*, **2005**, 87, 211108

3.4 11

88 Cr<sup>3+</sup>-Nd<sup>3+</sup> energy transfer in the YAl<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub> nonlinear laser crystal. *Journal of Applied Physics*, **2005**, 98, 023103

2.5 13

87 Fluorescence quantum efficiency and Auger upconversion losses of the stoichiometric laser crystal NdAl<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub>. *Physical Review B*, **2005**, 72,

3.3 32

86 A pump-power-controlled luminescent switcher. *Applied Physics Letters*, **2005**, 86, 011920

3.4 25

85 Coherent light generation from a Nd:SBN nonlinear laser crystal through its ferroelectric phase transition. *Physical Review Letters*, **2005**, 95, 267401

7.4 66

84 Improving the performance of a neodymium aluminium borate microchip laser crystal by resonant pumping. *Applied Physics Letters*, **2004**, 85, 715-717

3.4 22

83 Thermal hysteresis in the luminescence of Cr<sup>3+</sup> ions in Sr<sub>0.6</sub>Ba<sub>0.4</sub>(NbO<sub>3</sub>)<sub>2</sub>. *Applied Physics Letters*, **2004**, 84, 2787-2789

3.4 28

82 Site-selective study of Nd<sup>3+</sup> optical centers in Ca<sub>3</sub>Sc<sub>2</sub>Ge<sub>3</sub>O<sub>12</sub> laser garnet crystals. *Journal of Applied Physics*, **2004**, 95, 1774-1779

2.5 6

81 Tunable Nd<sup>3+</sup>:Ca<sub>3</sub>Ga<sub>2</sub>Ge<sub>3</sub>O<sub>12</sub> site-selective laser operating around 1.33  $\mu$ m. *Physical Review B*, **2004**, 70,

3.3 11

80 Evaluation of ytterbium doped strontium barium niobate as a potential tunable laser crystal in the visible. *Journal of Applied Physics*, **2004**, 95, 6185-6191

2.5 28

79 Continuous-wave laser oscillation at 929nm from a Nd<sup>3+</sup>-doped LiNbO<sub>3</sub>:ZnO nonlinear laser crystal: A powerful tool for blue laser light generation. *Applied Physics Letters*, **2004**, 85, 19-21

3.4 27

78 Up-conversion luminescence in the NdAl<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub> (NAB) microchip laser crystal. *Optical Materials*, **2004**, 25, 9-15

3.3 11

77 Optical properties of single doped Cr<sup>3+</sup> and co-doped Cr<sup>3+</sup>-Nd<sup>3+</sup> aluminum tantalum tellurite glasses. *Journal of Alloys and Compounds*, **2004**, 380, 163-166

5.7 15

76 Influence of Nd<sup>3+</sup> and Yb<sup>3+</sup> concentration on the Nd<sup>3+</sup>-Yb<sup>3+</sup> energy-transfer efficiency in the YAl<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub> nonlinear crystal: determination of optimum concentrations for laser applications. *Journal of the Optical Society of America B: Optical Physics*, **2004**, 21, 1203

1.7 21

75	Rare Earth Ion Doped Non Linear Laser Crystals. <i>Radiation Effects and Defects in Solids</i> , <b>2003</b> , 158, 231-239	5
74	74% Slope efficiency from a diode-pumped Yb <sup>3+</sup> :LiNbO <sub>3</sub> :MgO laser crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2003</b> , 77, 621-623	1.9 12
73	Simultaneous generation of coherent light in the red, green and blue from Nd <sup>3+</sup> doped non-linear crystals. <i>Optical Materials</i> , <b>2003</b> , 24, 411-417	3.3 4
72	Diode-pumped laser action at 134 μm from the Nd <sup>3+</sup> :Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet crystal: influence of Nd <sup>3+</sup> multicenter distribution. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2003</b> , 20, 2075	1.7 5
71	Spectral and thermal properties of quasiphase-matching second-harmonic-generation in Nd <sup>3+</sup> :Sr <sub>0.6</sub> Ba <sub>0.4</sub> (NbO <sub>3</sub> ) <sub>2</sub> multiselect-frequency-converter nonlinear crystals. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 3111-3113	2.5 35
70	Spectroscopic study of Yb <sup>3+</sup> centres in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 7789-7801	1.8 16
69	Nd <sup>3+</sup> -Yb <sup>3+</sup> energy transfer in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3 81
68	Excited-state absorption in NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> laser crystal. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3826-3828	3.4 7
67	Determination of magnetic axes distribution in epitaxial Fe (001) micrometric squares by magneto optical technique. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 37-39	2.8 1
66	Interplay between the vortex lattice and arrays of submicrometric pinning centers. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 135-140	1.3 6
65	Mixed-state properties of superconducting Nb/Ni superlattices. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 369, 213-216	1.3 13
64	Fabrication of 2D, 1D and 0D ordered metallic nanostructures. <i>Vacuum</i> , <b>2002</b> , 67, 693-698	3.7 2
63	Simultaneous generation of coherent light in the three fundamental colors by quasicylindrical ferroelectric domains in Sr <sub>0.6</sub> Ba <sub>0.4</sub> (NbO <sub>3</sub> ) <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4106-4108	3.4 35
62	Vortex lattice channeling effects in Nb films induced by anisotropic arrays of mesoscopic pinning centers. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3 51
61	Anisotropic pinning enhancement in Nb films with arrays of submicrometric Ni lines. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 2851-2853	3.4 28
60	Order in driven vortex lattices in superconducting Nb films with nanostructured pinning potentials. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3 30
59	Nanopatterning effects on magnetic anisotropy of epitaxial Fe(001) micrometric squares. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 382	2.5 17
58	Intracavity second harmonic generation in the green from a diode-end-pumped Nd <sup>3+</sup> :Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> laser garnet crystal. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 3436-3441	2.5 9

57	Simulations and experiments on magneto-optical diffraction by an array of epitaxial Fe(001) microsquares. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3206-3208	3.4	17
56	Solid state laser source for simultaneous generation of green and red radiation. <i>Journal Physics D: Applied Physics</i> , <b>2002</b> , 35, 2711-2715	3	4
55	Codoping Effects on the Laser Gain of Neodymium Activated Lithium Niobate Crystals. <i>Ferroelectrics</i> , <b>2002</b> , 273, 193-198	0.6	1
54	Optimum conditions for ultraviolet-laser generation based on self-frequency sum mixing in Nd <sup>3+</sup> -activated borate crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 1326	1.7	4
53	Tunable green laser source based on frequency mixing of pump and laser radiation from a Nd:YVO <sub>4</sub> crystal operating at 1342 nm with an intracavity KTP crystal. <i>Applied Optics</i> , <b>2002</b> , 41, 6394-8	1.7	5
52	Stimulated emission, excited state absorption, and laser modeling of the Nd <sup>3+</sup> :Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> laser system. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 1754-1760	2.5	18
51	Quantum efficiency of Nd-doped lasers measured by pump-induced crystal heating: application to the Nd <sup>3+</sup> :Gd <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2001</b> , 72, 811-814	1.9	9
50	Temperature decrease induced by stimulated emission in the Nd <sup>3+</sup> ion-doped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystal. <i>Chemical Physics Letters</i> , <b>2001</b> , 334, 309-313	2.5	6
49	Cr <sup>3+</sup> ions location in codoped LiNbO <sub>3</sub> :Sc <sub>2</sub> O <sub>3</sub> crystals. <i>Radiation Effects and Defects in Solids</i> , <b>2001</b> , 155, 235-239	0.9	1
48	Continuous wave ultraviolet laser source based on self-frequency-sum-mixing in Nd <sup>3+</sup> :YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 1070-1072	2.5	10
47	Diffuse multiselection-frequency conversion processes in the blue and green by quasicylindrical ferroelectric domains in Nd <sup>3+</sup> :Sr <sub>0.6</sub> Ba <sub>0.4</sub> (NbO <sub>3</sub> ) <sub>2</sub> laser crystal. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1961-1963	3.4	61
46	A new crystalline host for lasing Ln <sup>3+</sup> ions: disordered calcium lutetium fluoride. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 376-379	5.7	3
45	Concentration effect on the up-conversion luminescence of neodymium activated calcium gallium germanium garnet crystal. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 312-314	5.7	4
44	Self-frequency-sum mixing in Nd doped nonlinear crystals for laser generation in the three fundamental colours. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 204-209	5.7	37
43	Oxygen content influence in the superconducting and electronic properties of Nd <sub>1.85</sub> Ce <sub>0.15</sub> Cu <sub>1.01</sub> O <sub>y</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 323-324, 580-583	5.7	7
42	Comparison of optical spectra of Nd <sup>3+</sup> in NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NAB), Nd:GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NGAB) and Nd:Gd <sub>0.2</sub> Y <sub>0.8</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NGYAB) crystals. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 1171-1178	1.8	58
41	Optical characterization and laser gain modeling of a NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (NAB) microchip laser crystal. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 561-569	2.5	52
40	Hall effect in Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>y</sub> with controlled oxygen content. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 1943-1944	1.3	3

39	Spectroscopic and laser properties of Nd <sup>3+</sup> in SBN. <i>Journal of Luminescence</i> , <b>2000</b> , 87-89, 877-879	3.8	33
38	Continuous-wave laser properties of 4F <sub>3/2</sub> 4I <sub>13/2</sub> channel in the Nd <sup>3+</sup> :LiNbO <sub>3</sub> :ZnO non-linear crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 70, 11-14	1.9	19
37	Continuous wave laser radiation at 693 nm from LiNbO <sub>3</sub> :ZnO:Nd <sup>3+</sup> nonlinear laser crystal. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 70, 483-486	1.9	10
36	Spectroscopy and Continuous Wave Near-Infrared Stimulated Emission of New Yttrium Gallium Garnet {Y <sub>3</sub> [Y, Ga](Ga <sub>3</sub> )O <sub>12</sub> :Nd <sup>3+</sup> (YGaO <sub>3</sub> :Nd <sup>3+</sup> ). <i>Optical Review</i> , <b>2000</b> , 7, 101-111	0.9	3
35	Up-conversion luminescence in the Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> :Nd <sup>3+</sup> laser garnet crystal. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, L441-L449	1.8	12
34	Spectroscopic and laser gain properties of the Nd <sup>3+</sup> :Gd <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> non-linear crystal. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 9699-9714	1.8	13
33	Effects of pump heating on laser and spectroscopic properties of the Nd:YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> self-frequency-doubling laser. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 1042-1048	2.5	32
32	Infrared continuous-wave laser gain in neodymium aluminum borate: A promising candidate for microchip diode-pumped solid state lasers. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 2176-2178	3.4	49
31	Excited state absorption of pump and laser radiations in NYAB non-linear crystal operating at 1.3 μm for visible laser light generation. <i>EPJ Applied Physics</i> , <b>2000</b> , 10, 29-32	1.1	5
30	First observations of stimulated emission and of stimulated Raman scattering in acentric cubic Nd <sup>3+</sup> :Bi <sub>12</sub> SiO <sub>20</sub> crystals. <i>Quantum Electronics</i> , <b>1999</b> , 29, 6-8	1.8	12
29	New nonlinear-laser properties of ferroelectric Nd <sup>3+</sup> :Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> laser stimulated emission (4F <sub>3/2</sub> -4I <sub>11/2</sub> and 4F <sub>3/2</sub> -4I <sub>13/2</sub> ), collinear and diffuse self-frequency doubling and summation. <i>Quantum Electronics</i> , <b>1999</b> , 29, 95-97	1.8	24
28	Optical spectroscopy of in the piezoelectric crystal. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 3201-3207	3.07	6
27	Red, blue, and green laser-light generation from the NYAB nonlinear crystal. <i>Optical Engineering</i> , <b>1999</b> , 38, 1794	1.1	13
26	Red, green, and blue laser light from a single Nd:YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystal based on laser oscillation at 1.3 μm. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 325-327	3.4	111
25	Continuous wave laser radiation at 669 nm from a self-frequency-doubled laser of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Nd <sup>3+</sup> . <i>Applied Physics Letters</i> , <b>1999</b> , 74, 1788-1790	3.4	32
24	Continuous wave laser radiation and self-frequency-doubling in ZnO doped LiNbO <sub>3</sub> :Nd <sup>3+</sup> . <i>Optics Communications</i> , <b>1999</b> , 161, 253-256	2	27
23	Fluorescence dynamics and laser properties of the Nd <sup>3+</sup> :Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> crystal. <i>Journal of Luminescence</i> , <b>1999</b> , 83-84, 477-479	3.8	4
22	Nd <sup>3+</sup> ion based self frequency doubling solid state lasers. <i>Optical Materials</i> , <b>1999</b> , 13, 147-157	3.3	44

21	Self-frequency-summing NYAB laser for tunable blue generation. <i>Optical Materials</i> , <b>1999</b> , 13, 311-317	3.3	31
20	Bi5.8PO11.2 : Nd3+ A New Bismuth-Containing Laser Crystal. <i>Physica Status Solidi A</i> , <b>1999</b> , 175, R9-R10		2
19	Energy transfer with migration. Generalization of the Yokota-Animoto model for any kind of multipole interaction. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1191-1194	3.9	82
18	Continuous wave laser radiation at 1314 and 1386 nm and infrared to red self-frequency doubling in nonlinear LaBGeO5:Nd3+ crystal. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2722-2724	3.4	5
17	Influence of neodymium concentration on the cw laser properties of Nd doped Ca3Ga2Ge3O12 laser garnet crystal. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 6627-6633	2.5	22
16	Properties of Nd3+-doped and undoped tetragonal PbWO4, NaY(WO4)2, CaWO4, and undoped monoclinic ZnWO4 and CdWO4 as laser-active and stimulated raman scattering-active crystals. <i>Applied Optics</i> , <b>1999</b> , 38, 4533-47	1.7	249
15	Piezoelectric Sillenite Bi12SiO20:Nd3+. A New Laser and SRS-Active Crystal. <i>Physica Status Solidi (B): Basic Research</i> , <b>1998</b> , 210, R9-R10	1.3	5
14	Rare earth and transition metal ion centers in LiNbO3. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>1998</b> , 54, 1571-1581	4.4	55
13	Up-conversion luminescence in the Nd3+:YAB self frequency doubling laser crystal. <i>Optical Materials</i> , <b>1998</b> , 10, 211-217	3.3	29
12	Blue-light laser source by sum-frequency mixing in Nd:YAl3(BO3)4. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3659-3661	3.5	55
11	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> , <b>1998</b> , 15, 1656	1.7	57
10	Ferroelectric Nd3+:SrxBa1-x(NbO3)2 a new nonlinear laser crystal: cw 1- $\mu$ m stimulated emission (4F3/2- $\rightarrow$ 4I11/2) and diffuse self-frequency doubling. <i>Quantum Electronics</i> , <b>1998</b> , 28, 1031-1033	1.8	6
9	Quantum efficiency of the self-frequency-doubling laser material. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 7901-7905	1.8	17
8	Continuous wave laser radiation at 524 nm from a self-frequency-doubled laser of LaBGeO5:Nd3+. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 531-533	3.4	51
7	Optical bands and energy levels of ion in the nonlinear laser crystal. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 9715-9729	1.8	91
6	CW end-pumped Nd3+:LaBGeO5 mini laser for self-frequency-doubling. <i>Journal of Luminescence</i> , <b>1997</b> , 72-74, 816-818	3.8	6
5	Thermal loading in highly efficient diode pumped ytterbium doped lithium niobate lasers		2
4	Multichannel Fluorescence Microscopy: Advantages of Going beyond a Single Emission. <i>Advanced NanoBiomed Research</i> , 2100084	0	2

3	Nanoprobes for Biomedical Imaging with Tunable Near-Infrared Optical Properties Obtained via Green Synthesis. <i>Advanced Photonics Research</i> ,2100260	1.9	1
2	Near infrared bioimaging and biosensing with semiconductor and rare-earth nanoparticles: recent developments in multifunctional nanomaterials. <i>Nanoscale Advances</i> ,	5.1	4
1	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression. <i>Laser and Photonics Reviews</i> ,2100301	8.3	13