

# Blanca del Rosal Rabes

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2000143/blanca-del-rosal-rabes-publications-by-year.pdf>

**Version:** 2024-04-20

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.

51  
papers

4,094  
citations

32  
h-index

54  
g-index

54  
ext. papers

4,823  
ext. citations

8.9  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
51	Smart Delivery of Plasminogen Activators for Efficient Thrombolysis; Recent Trends and Future Perspectives. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2100047	4.9	2
50	Photothermal release and recovery of mesenchymal stem cells from substrates functionalized with gold nanorods. <i>Acta Biomaterialia</i> , <b>2021</b> , 129, 110-121	10.8	0
49	Nanoscale optical voltage sensing in biological systems. <i>Journal of Luminescence</i> , <b>2021</b> , 230, 117719	3.8	3
48	Nanoparticles for In Vivo Lifetime Multiplexed Imaging. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2350, 239-251	14	
47	Near-infrared light-responsive liposomes for protein delivery: Towards bleeding-free photothermally-assisted thrombolysis. <i>Journal of Controlled Release</i> , <b>2021</b> , 337, 212-223	11.7	5
46	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
45	NIR Autofluorescence: Molecular Origins and Emerging Clinical Applications <b>2020</b> , 21-47		1
44	Tuning drug dosing through matching optically active polymer composition and NIR stimulation parameters. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 575, 118976	6.5	
43	Advances and challenges for fluorescence nanothermometry. <i>Nature Methods</i> , <b>2020</b> , 17, 967-980	21.6	112
42	The near-infrared autofluorescence fingerprint of the brain. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e202000154	5.4	5
41	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. <i>Nanoscale</i> , <b>2019</b> , 11, 19251-19264	7.7	47
40	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
39	Resilient Graphene Ultrathin Flat Lens in Aerospace, Chemical, and Biological Harsh Environments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20298-20303	9.5	25
38	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. <i>ACS Nano</i> , <b>2018</b> , 12, 4362-4368	16.7	88
37	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
36	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
35	Strategies to Overcome Autofluorescence in Nanoprobe-Driven In Vivo Fluorescence Imaging. <i>Small Methods</i> , <b>2018</b> , 2, 1800075	12.8	32

34	In Vivo Contactless Brain Nanothermometry. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806088	15.6	46
33	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
32	Nd 3+ ions in nanomedicine: Perspectives and applications. <i>Optical Materials</i> , <b>2017</b> , 63, 185-196	3.3	45
31	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601195	10.1	53
30	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
29	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
28	In Vivo Luminescence Nanothermometry: from Materials to Applications. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600508	8.1	192
27	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
26	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
25	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , <b>2016</b> , 16, 1695-703	11.5	209
24	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
23	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
22	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
21	Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. <i>Advanced Materials</i> , <b>2016</b> , 28, 10188-10193	24	83
20	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
19	Waveguiding microstructures in Nd:YAG with cladding and inner dual-line configuration produced by femtosecond laser inscription. <i>Optical Materials</i> , <b>2015</b> , 39, 125-129	3.3	11
18	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
17	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

16	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
15	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. <i>Advanced Materials</i> , <b>2015</b> , 27, 4781-7	24	149
14	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
13	Nd:YAG Near-Infrared Luminescent Nanothermometers. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 687-694	8.1	203
12	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , <b>2014</b> , 6, 9494-530	7.7	1205
11	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , <b>2014</b> , 9, 1047-62	5.6	104
10	Continuous-wave lasing at 1.06 $\mu$ m in femtosecond laser written Nd:KGW waveguides. <i>Optical Materials</i> , <b>2014</b> , 37, 93-96	3.3	12
9	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
8	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
7	Thermal loading in flow-through electroporation microfluidic devices. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3119-27	7.2	11
6	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
5	Heat in optical tweezers <b>2013</b> ,		3
4	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, 12192-7	7.7	50
3	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
2	Optical spectroscopy of Yb <sup>3+</sup> centers in BaMgF <sub>4</sub> ferroelectric crystal. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 063102	2.5	4
1	Near infrared bioimaging and biosensing with semiconductor and rare-earth nanoparticles: recent developments in multifunctional nanomaterials. <i>Nanoscale Advances</i> ,	5.1	4