

Erving C Ximendes

List of Publications by Citations

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34
papers

1,293
citations

17
h-index

35
g-index

35
ext. papers

1,657
ext. citations

10.3
avg, IF

4.81
L-index

#	Paper	IF	Citations
34	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , 2016 , 16, 1695-703	11.5	209
33	In Vivo Luminescence Nanothermometry: from Materials to Applications. <i>Advanced Optical Materials</i> , 2017 , 5, 1600508	8.1	192
32	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. <i>Advanced Functional Materials</i> , 2017 , 27, 1702249	15.6	118
31	Self-monitored photothermal nanoparticles based on core-shell engineering. <i>Nanoscale</i> , 2016 , 8, 3057-66.7	6.7	92
30	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. <i>ACS Nano</i> , 2018 , 12, 4362-4368	16.7	88
29	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
28	In Vivo Early Tumor Detection and Diagnosis by Infrared Luminescence Transient Nanothermometry. <i>Advanced Functional Materials</i> , 2018 , 28, 1803924	15.6	54
27	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601195	10.1	53
26	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. <i>Nanoscale</i> , 2019 , 11, 19251-19264	7.7	47
25	Spectral Distortions of Infrared Luminescent Nanothermometers Compromise Their Reliability. <i>ACS Nano</i> , 2020 , 14, 4122-4133	16.7	47
24	Core-shell rare-earth-doped nanostructures in biomedicine. <i>Nanoscale</i> , 2018 , 10, 12935-12956	7.7	46
23	Nd 3+ ions in nanomedicine: Perspectives and applications. <i>Optical Materials</i> , 2017 , 63, 185-196	3.3	45
22	Luminescence based temperature bio-imaging: Status, challenges, and perspectives. <i>Applied Physics Reviews</i> , 2021 , 8, 011317	17.3	42
21	Ultrafast photochemistry produces superbright short-wave infrared dots for low-dose in vivo imaging. <i>Nature Communications</i> , 2020 , 11, 2933	17.4	33
20	Ag2S Nanoheaters with Multiparameter Sensing for Reliable Thermal Feedback during In Vivo Tumor Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 2002730	15.6	26
19	Thulium doped LaF for nanothermometry operating over 1000 nm. <i>Nanoscale</i> , 2019 , 11, 8864-8869	7.7	25
18	10-Fold Quantum Yield Improvement of AgS Nanoparticles by Fine Compositional Tuning. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12500-12509	9.5	17

17	, Nanoparticle-Enabled Fluorescence Imaging?. <i>ACS Nano</i> , 2021 , 15, 1917-1941	16.7	16
16	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
15	Infrared-Emitting Multimodal Nanostructures for Controlled In Vivo Magnetic Hyperthermia. <i>Advanced Materials</i> , 2021 , 33, e2100077	24	11
14	Instantaneous In Vivo Imaging of Acute Myocardial Infarct by NIR-II Luminescent Nanodots. <i>Small</i> , 2020 , 16, e1907171	11	10
13	Biological studies of an ICG-tagged aptamer as drug delivery system for malignant melanoma. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 154, 228-235	5.7	10
12	The role of tissue fluorescence in in vivo optical bioimaging. <i>Journal of Applied Physics</i> , 2020 , 128, 171101	1.5	7
11	Reliable and Remote Monitoring of Absolute Temperature During Liver Inflammation via Luminescence Lifetime-Based Nanothermometry. <i>Advanced Materials</i> , 2021 , e2107764	24	6
10	The near-infrared autofluorescence fingerprint of the brain. <i>Journal of Biophotonics</i> , 2020 , 13, e2020001	5.4	5
9	Near infrared bioimaging and biosensing with semiconductor and rare-earth nanoparticles: recent developments in multifunctional nanomaterials. <i>Nanoscale Advances</i> ,	5.1	4
8	Investigation of the concentration- and temperature-dependent motion of colloidal nanoparticles. <i>Nanoscale</i> , 2020 , 12, 12561-12567	7.7	4
7	Reaching Deeper: Absolute In Vivo Thermal Reading of Liver by Combining Superbright AgS Nanothermometers and In Silico Simulations. <i>Advanced Science</i> , 2021 , 8, 2003838	13.6	4
6	New opportunities for light-based tumor treatment with an "iron fist" .. <i>Light: Science and Applications</i> , 2022 , 11, 65	16.7	2
5	Modeling population and thermal lenses in the presence of Auger Upconversion for Nd(3+) doped materials. <i>Optics Express</i> , 2015 , 23, 15983-91	3.3	1
4	Facile and fast synthesis of lanthanide nanoparticles for bio-applications 2020 , 195-228		1
3	Boosting the Near-Infrared Emission of AgS Nanoparticles by a Controllable Surface Treatment for Bioimaging Applications.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
2	In Vivo Near-Infrared Imaging Using Ternary Selenide Semiconductor Nanoparticles with an Uncommon Crystal Structure. <i>Small</i> , 2021 , 17, e2103505	11	1
1	Nanoparticles for In Vivo Lifetime Multiplexed Imaging. <i>Methods in Molecular Biology</i> , 2021 , 2350, 239-251	14	