

Muthu kumara gnanasammandhan Jaya

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,737
citations

430874

18
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794594

19
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22
all docs

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docs citations

22
times ranked

5571
citing authors

#	ARTICLE	IF	CITATIONS
1	Modularly Assembled Upconversion Nanoparticles for Orthogonally Controlled Cell Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12549-12556.	8.0	40
2	Upconversion superballs for programmable photoactivation of therapeutics. <i>Nature Communications</i> , 2019, 10, 4586.	12.8	100
3	Manipulating energy migration within single lanthanide activator for switchable upconversion emissions towards bidirectional photoactivation. <i>Nature Communications</i> , 2019, 10, 4416.	12.8	85
4	Surface protein engineering increases the circulation time of a cell membrane-based nanotherapeutic. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 169-178.	3.3	26
5	Quasi-Continuous Wave Near-Infrared Excitation of Upconversion Nanoparticles for Optogenetic Manipulation of <i>C. elegans</i> . <i>Small</i> , 2016, 12, 1732-1743.	10.0	93
6	Monocyte cell membrane-derived nanoghosts for targeted cancer therapy. <i>Nanoscale</i> , 2016, 8, 6981-6985.	5.6	115
7	Near-IR photoactivation using mesoporous silica-coated NaYF ₄ :Yb,Er/Tm upconversion nanoparticles. <i>Nature Protocols</i> , 2016, 11, 688-713.	12.0	164
8	Luminescent lanthanide nanomaterials: an emerging tool for theranostic applications. <i>Nanomedicine</i> , 2015, 10, 1477-1491.	3.3	33
9	Mesoporous silica-coated upconversion nanocrystals for near infrared light-triggered control of gene expression in zebrafish. <i>Nanomedicine</i> , 2015, 10, 1051-1061.	3.3	21
10	Lutetium doping for making big core and core-shell upconversion nanoparticles. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10267-10272.	5.5	21
11	Upconversion nanoparticles as versatile light nanotransducers for photoactivation applications. <i>Chemical Society Reviews</i> , 2015, 44, 1449-1478.	38.1	331
12	Near-Infrared-Light-Based Nano-Platform Boosts Endosomal Escape and Controls Gene Knockdown <i>in Vivo</i> . <i>ACS Nano</i> , 2014, 8, 4848-4858.	14.6	80
13	Tuning the energy migration and new insights into the mechanism of upconversion. <i>Nanoscale</i> , 2014, 6, 8439.	5.6	10
14	A paradigm shift in the excitation wavelength of upconversion nanoparticles. <i>Nanoscale</i> , 2014, 6, 8441-8443.	5.6	32
15	Upconverting fluorescent nanoparticles for biodetection and photoactivation. , 2013, , .		0
16	In vivo photodynamic therapy using upconversion nanoparticles as remote-controlled nanotransducers. <i>Nature Medicine</i> , 2012, 18, 1580-1585.	30.7	1,299
17	Plasmon enhanced upconversion luminescence of NaYF ₄ :Yb,Er@SiO ₂ @Ag core-shell nanocomposites for cell imaging. <i>Nanoscale</i> , 2012, 4, 5132.	5.6	250
18	Remote activation of biomolecules in deep tissues using near-infrared-to-UV upconversion nanotransducers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8483-8488.	7.1	346

#	ARTICLE	IF	CITATIONS
19	Simultaneous gene delivery and tracking of cells using fluorescent upconversion nanoparticles for cell therapy. Materials Research Society Symposia Proceedings, 2011, 1355, 1.	0.1	0
20	Small Upconverting Fluorescent Nanoparticles for Biomedical Applications. Small, 2010, 6, 2781-2795.	10.0	502
21	Optical imaging-guided cancer therapy with fluorescent nanoparticles. Journal of the Royal Society Interface, 2010, 7, 3-18.	3.4	189
22	Multi-Functional Fluorescent Upconversion Nanocrystals for Simultaneous Imaging and Delivery of Peptide Toxins. Key Engineering Materials, 0, 605, 364-367.	0.4	0