

# Zhongzheng Yu

## List of Publications by Year in descending order

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21  
papers

770  
citations

858243

12  
h-index

843174

20  
g-index

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21  
docs citations

21  
times ranked

1410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics. <i>Nature Communications</i> , 2022, 13, 539.	5.8	17
2	Overcoming Vascular Barriers to Improve the Theranostic Outcomes of Nanomedicines. <i>Advanced Science</i> , 2022, 9, e2103148.	5.6	6
3	Tunable concentration-dependent upconversion and downconversion luminescence in NaYF <sub>4</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> @ NaYF <sub>4</sub> : Yb <sup>3+</sup> , Nd <sup>3+</sup> core-shell nanocrystals for a dual-mode anti-counterfeiting imaging application. <i>Optics Letters</i> , 2022, 47, 2814.	1.7	3
4	Near-infrared-II activated inorganic photothermal nanomedicines. <i>Biomaterials</i> , 2021, 269, 120459.	5.7	94
5	Mechanistic studies of CsPbBr <sub>3</sub> superstructure formation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14699-14708.	2.7	7
6	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100039.	11.1	32
7	Dye-Sensitized Lanthanide-Doped Upconversion Nanoparticles for Water Detection in Organic Solvents. <i>ACS Applied Nano Materials</i> , 2021, 4, 14069-14076.	2.4	7
8	Neodymium-Sensitized Nanoconstructs for Near-Infrared Enabled Photomedicine. <i>Small</i> , 2020, 16, e1905265.	5.2	28
9	Efficient chromium ion passivated CsPbCl <sub>3</sub> :Mn perovskite quantum dots for photon energy conversion in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12323-12329.	2.7	23
10	Artificial Atomic Vacancies Tailor Near-Infrared II Excited Multiplexing Upconversion in Core-Shell Lanthanide Nanoparticles. <i>Nano Letters</i> , 2020, 20, 5236-5242.	4.5	41
11	Virus-Inspired Deformable Mesoporous Nanocomposites for High Efficiency Drug Delivery. <i>Small</i> , 2020, 16, 1906028.	5.2	10
12	Upconversion Nanoparticles-Based Multiplex Protein Activation to Neuron Ablation for Locomotion Regulation. <i>Small</i> , 2020, 16, e1906797.	5.2	16
13	Balancing the thickness of sensitizing and inert layers in neodymium-sensitized tetralayer nanoconstructs for optimal ultraviolet upconversion and near-infrared cross-linked hydrogel tissue sealants. <i>Biomaterials Science</i> , 2020, 8, 2878-2886.	2.6	5
14	Bifunctional N-CoSe <sub>2</sub> /3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Zn-Air Battery. , 2019, 1, 432-439.		90
15	An Upconversion Nanoparticle Enables Near Infrared-Optogenetic Manipulation of the <i>Caenorhabditis elegans</i> Motor Circuit. <i>ACS Nano</i> , 2019, 13, 3373-3386.	7.3	52
16	Generating New Cross-Relaxation Pathways by Coating Prussian Blue on NaNdF <sub>4</sub> To Fabricate Enhanced Photothermal Agents. <i>Angewandte Chemie</i> , 2019, 131, 8624-8628.	1.6	9
17	Generating New Cross-Relaxation Pathways by Coating Prussian Blue on NaNdF <sub>4</sub> To Fabricate Enhanced Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8536-8540.	7.2	64
18	Unraveling the cooperative synergy of zero-dimensional graphene quantum dots and metal nanocrystals enabled by layer-by-layer assembly. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1700-1713.	5.2	99

#	ARTICLE	IF	CITATIONS
19	Polymer-assisted room-temperature synthesis of highly luminescent perovskite nanocrystals with superior water resistance for WLED. <i>Materials Letters</i> , 2018, 232, 138-141.	1.3	12
20	Synergizing Upconversion Nanophotosensitizers with Hyperbaric Oxygen to Remodel the Extracellular Matrix for Enhanced Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22985-22996.	4.0	56
21	Ultras-small-Superbright Neodymium-Upconversion Nanoparticles via Energy Migration Manipulation and Lattice Modification: 808 nm-Activated Drug Release. <i>ACS Nano</i> , 2017, 11, 2846-2857.	7.3	99