Liangcan He

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6900726/publications.pdf

Version: 2024-02-01

38 papers	4,764 citations	172457 29 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	7475 citing authors

#	Article	IF	Citations
1	Coreâ€“Shell Palladium Nanoparticle@Metalâ€“Organic Frameworks as Multifunctional Catalysts for Cascade Reactions. Journal of the American Chemical Society, 2014, 136, 1738-1741.	13.7	632
2	Coreâ€“Shell Nobleâ€Metal@Metalâ€Organicâ€Framework Nanoparticles with Highly Selective Sensing Property. Angewandte Chemie - International Edition, 2013, 52, 3741-3745.	13.8	553
3	Carbonized Nanoscale Metalâ€“Organic Frameworks as High Performance Electrocatalyst for Oxygen Reduction Reaction. ACS Nano, 2014, 8, 12660-12668.	14.6	509
4	Threeâ€Dimensional Graphene/Metal Oxide Nanoparticle Hybrids for Highâ€Performance Capacitive Deionization of Saline Water. Advanced Materials, 2013, 25, 6270-6276.	21.0	499
5	Coreâ€“Shell Upconversion Nanoparticle@Metalâ€“Organic Framework Nanoprobes for Luminescent/Magnetic Dualâ€Mode Targeted Imaging. Advanced Materials, 2015, 27, 4075-4080.	21.0	348
6	Solvent-Assisted Self-Assembly of a Metalâ€“Organic Framework Based Biocatalyst for Cascade Reaction Driven Photodynamic Therapy. Journal of the American Chemical Society, 2020, 142, 6822-6832.	13.7	201
7	Smart Nanovesicle-Mediated Immunogenic Cell Death through Tumor Microenvironment Modulation for Effective Photodynamic Immunotherapy. ACS Nano, 2020, 14, 620-631.	14.6	192
8	Activating Macrophageâ€Mediated Cancer Immunotherapy by Genetically Edited Nanoparticles. Advanced Materials, 2020, 32, e2004853.	21.0	146
9	Wet/Sonoâ€Chemical Synthesis of Enzymatic Twoâ€Dimensional MnO₂ Nanosheets for Synergistic Catalysisâ€Enhanced Phototheranostics. Advanced Materials, 2019, 31, e1900401.	21.0	139
10	A Phototheranostic Strategy to Continuously Deliver Singlet Oxygen in the Dark and Hypoxic Tumor Microenvironment. Angewandte Chemie - International Edition, 2020, 59, 8833-8838.	13.8	139
11	In Situ Polymerized Hollow Mesoporous Organosilica Biocatalysis Nanoreactor for Enhancing ROSâ€Mediated Anticancer Therapy. Advanced Functional Materials, 2020, 30, 1907716.	14.9	136
12	Solarâ€Lightâ€Driven Renewable Butanol Separation by Coreâ€“Shell Ag@ZIFâ€8 Nanowires. Advanced Materials, 2015, 27, 3273-3277.	21.0	126
13	DNAâ€Assembled Coreâ€Satellite Upconvertingâ€Metalâ€“Organic Framework Nanoparticle Superstructures for Efficient Photodynamic Therapy. Small, 2017, 13, 1700504.	10.0	114
14	Precision Cancer Theranostic Platform by In Situ Polymerization in Perylene Diimide-Hybridized Hollow Mesoporous Organosilica Nanoparticles. Journal of the American Chemical Society, 2019, 141, 14687-14698.	13.7	105
15	A Rationally Designed Semiconducting Polymer Brush for NIRâ€II Imagingâ€Guided Lightâ€Triggered Remote Control of CRISPR/Cas9 Genome Editing. Advanced Materials, 2019, 31, e1901187.	21.0	103
16	A hybrid semiconducting organosilica-based O2 nanoeconomizer for on-demand synergistic photothermallyÂboosted radiotherapy. Nature Communications, 2021, 12, 523.	12.8	77
17	Cascade Reactions Catalyzed by Planar Metalâ€“Organic Framework Hybrid Architecture for Combined Cancer Therapy. Small, 2020, 16, e2004016.	10.0	64
18	Biodegradable Metalâ€“Organicâ€Frameworkâ€Gated Organosilica for Tumorâ€Microenvironmentâ€Unlocked Glutathioneâ€Depletionâ€Enhanced Synergistic Therapy. Advanced Materials, 2022, 34, e2107560.	21.0	61

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19	Core-shell metal-organic frameworks with fluorescence switch to trigger an enhanced photodynamic therapy. Theranostics, 2019, 9, 2791-2799.	10.0	53
20	Size-transformable antigen-presenting cellâ€“mimicking nanovesicles potentiate effective cancer immunotherapy. Science Advances, 2020, 6, .	10.3	53
21	Rationally Programming Nanomaterials with DNA for Biomedical Applications. Advanced Science, 2021, 8, 2003775.	11.2	51
22	Self-assembled gold nanostarâ€“NaYF₄:Yb/Er clusters for multimodal imaging, photothermal and photodynamic therapy. Journal of Materials Chemistry B, 2016, 4, 4455-4461.	5.8	50
23	Tumor Microenvironment-Activated Ultrasensitive Nanoprobes for Specific Detection of Intratumoral Glutathione by Ratiometric Photoacoustic Imaging. ACS Applied Materials & Interfaces, 2019, 11, 27558-27567.	8.0	46
24	Reactive Oxygen Species Activatable Heterodimeric Prodrug as Tumor-Selective Nanotheranostics. ACS Nano, 2020, 14, 16875-16886.	14.6	45
25	Protective effect of platinum nano-antioxidant and nitric oxide against hepatic ischemia-reperfusion injury. Nature Communications, 2022, 13, 2513.	12.8	43
26	Chirality-Discriminated Conductivity of Metalâ€“Amino Acid Biocoordination Polymer Nanowires. ACS Nano, 2016, 10, 8564-8570.	14.6	38
27	Enhancement of antitumor immunotherapy using mitochondria-targeted cancer cell membrane-biomimetic MOF-mediated sonodynamic therapy and checkpoint blockade immunotherapy. Journal of Nanobiotechnology, 2022, 20, 228.	9.1	37
28	TiO₂-Capped Gold Nanorods for Plasmon-Enhanced Production of Reactive Oxygen Species and Photothermal Delivery of Chemotherapeutic Agents. ACS Applied Materials & Interfaces, 2018, 10, 27965-27971.	8.0	36
29	Engineering of nanoscale coordination polymers with biomolecules for advanced applications. Coordination Chemistry Reviews, 2019, 399, 213039.	18.8	36
30	Experimental and theoretical photoluminescence studies in nucleic acid assembled gold-upconverting nanoparticle clusters. Nanoscale, 2015, 7, 17254-17260.	5.6	28
31	Crucial Role of Anions on Arrangement of Cu₂S Nanocrystal Superstructures. Small, 2014, 10, 1523-1528.	10.0	19
32	New Generation of Clickable Nucleic Acids: Synthesis and Active Hybridization with DNA. Biomacromolecules, 2018, 19, 4139-4146.	5.4	16
33	A Phototheranostic Strategy to Continuously Deliver Singlet Oxygen in the Dark and Hypoxic Tumor Microenvironment. Angewandte Chemie, 2020, 132, 8918-8923.	2.0	16
34	Synthesis and phase transfer of well-defined BiVO₄ nanocrystals for photocatalytic water splitting. RSC Advances, 2015, 5, 58755-58759.	3.6	14
35	Anti-EGFR Affibodies with Site-Specific Photo-Cross-Linker Incorporation Show Both Directed Target-Specific Photoconjugation and Increased Retention in Tumors. Journal of the American Chemical Society, 2018, 140, 11820-11828.	13.7	13
36	Targeting the innate immune system with nanoparticles for cancer immunotherapy. Journal of Materials Chemistry B, 2022, 10, 1709-1733.	5.8	12

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37	DNA for Assembly and Charge Transport Photocatalytic Reduction of CO₂. Advanced Sustainable Systems, 2018, 2, 1700156.	5.3	8
38	Biphasic synthesis of biodegradable urchin-like mesoporous organosilica nanoparticles for enhanced cellular internalization and precision cascaded therapy. Biomaterials Science, 2021, 9, 2584-2597.	5.4	6