

Yeh-Hsing Lao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,963
citations

331670

21
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

3408
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Diselenide-Bridged Mesoporous Silica Nanoparticles for Dual-Responsive Protein Delivery. <i>Advanced Materials</i> , 2018, 30, e1801198.	21.0	234
2	Aptamer Nanomedicine for Cancer Therapeutics: Barriers and Potential for Translation. <i>ACS Nano</i> , 2015, 9, 2235-2254.	14.6	228
3	Nonviral gene editing via CRISPR/Cas9 delivery by membrane-disruptive and endosomolytic helical polypeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4903-4908.	7.1	223
4	Engineering mesenchymal stem cells for regenerative medicine and drug delivery. <i>Methods</i> , 2015, 84, 3-16.	3.8	182
5	Engineering Cell Membrane-Based Nanotherapeutics to Target Inflammation. <i>Advanced Science</i> , 2019, 6, 1900605.	11.2	143
6	A quantum dot-aptamer beacon using a DNA intercalating dye as the FRET reporter: Application to label-free thrombin detection. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3346-3352.	10.1	115
7	Tumor microenvironment-responsive hyaluronate-calcium carbonate hybrid nanoparticle enables effective chemotherapy for primary and advanced osteosarcomas. <i>Nano Research</i> , 2018, 11, 4806-4822.	10.4	98
8	Treatment of severe sepsis with nanoparticulate cell-free DNA scavengers. <i>Science Advances</i> , 2020, 6, eaay7148.	10.3	94
9	Enhancement of Aptamer Microarray Sensitivity through Spacer Optimization and Avidity Effect. <i>Analytical Chemistry</i> , 2009, 81, 1747-1754.	6.5	78
10	HPV Oncogene Manipulation Using Nonvirally Delivered CRISPR/Cas9 or <i>Natronobacterium gregoryi</i> Argonaute. <i>Advanced Science</i> , 2018, 5, 1700540.	11.2	78
11	Engineered Mesenchymal Stem Cell/Nanomedicine Spheroid as an Active Drug Delivery Platform for Combinational Glioblastoma Therapy. <i>Nano Letters</i> , 2019, 19, 1701-1705.	9.1	71
12	A multifunctional mesoporous silica-gold nanocluster hybrid platform for selective breast cancer cell detection using a catalytic amplification-based colorimetric assay. <i>Nanoscale</i> , 2019, 11, 2631-2636.	5.6	68
13	A Versatile Nonviral Delivery System for Multiplex Gene Editing in the Liver. <i>Advanced Materials</i> , 2020, 32, e2003537.	21.0	45
14	A Versatile and Robust Platform for the Scalable Manufacture of Biomimetic Nanovaccines. <i>Advanced Science</i> , 2021, 8, 2002020.	11.2	43
15	Anti-infective biomaterials with surface-decorated tachyplesin I. <i>Biomaterials</i> , 2018, 178, 351-362.	11.4	42
16	Advanced Nanotheranostics of CRISPR/Cas for Viral Hepatitis and Hepatocellular Carcinoma. <i>Advanced Science</i> , 2021, 8, e2102051.	11.2	35
17	High-Throughput Tumor-on-a-Chip Platform to Study Tumor-Stroma Interactions and Drug Pharmacokinetics. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000880.	7.6	31
18	CRISPR/Cas9-mediated mutagenesis to validate the synergy between PARP1 inhibition and chemotherapy in <i>BRCA1</i> -mutated breast cancer cells. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10152.	7.1	31

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19	Signal-on Protein Detection via Dye Translocation between Aptamer and Quantum Dot. ACS Applied Materials & Interfaces, 2016, 8, 12048-12055.	8.0	28
20	Selection of aptamers targeting the sialic acid receptor of hemagglutinin by epitope-specific SELEX. Chemical Communications, 2014, 50, 8719-8722.	4.1	24
21	Graphene oxide cellular patches for mesenchymal stem cell-based cancer therapy. Carbon, 2018, 129, 863-868.	10.3	21
22	Noble metal-molybdenum disulfide nanohybrids as dual fluorometric and colorimetric sensor for hepatitis B virus DNA detection. Talanta, 2021, 234, 122675.	5.5	20
23	CRISPR Technology for Breast Cancer: Diagnostics, Modeling, and Therapy. Advanced Biology, 2018, 2, 1800132.	3.0	11
24	Combating <i>Helicobacter pylori</i> with oral nanomedicines. Journal of Materials Chemistry B, 2021, 9, 9826-9838.	5.8	11
25	Aptamer Sequence Deconvolution through Microarray Technology. Biophysical Journal, 2015, 108, 328a.	0.5	0