Leu-Wei Lo

List of Publications by Year
in descending order

35 papers	1,926 citations	471509 17 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	3020 citing authors

#	Article	IF	Citations
1	Recent Advances in Gold Nanomaterials for Photothermal Therapy. Journal of Nanotheranostics, 2022, 3, 117-131.	3.1	14
2	Matrix metalloproteinase-directed precise targeting and smart drug delivery of biodegradable gold nanodandelions as CT imaging guided anticancer therapy. Journal of Drug Delivery Science and Technology, 2022, 74, 103563.	3.0	2
3	Annealing-modulated nanoscintillators for nonconventional X-ray activation of comprehensive photodynamic effects in deep cancer theranostics. Theranostics, 2020, 10, 6758-6773.	10.0	19
4	Biodegradable Polymers for Gene-Delivery Applications . International Journal of Nanomedicine, 2020, Volume 15, 2131-2150.	6.7	109
5	Seeing Better and Going Deeper in Cancer Nanotheranostics. International Journal of Molecular Sciences, 2019, 20, 3490.	4.1	12
6	Precision control of the large-scale green synthesis of biodegradable gold nanodandelions as potential radiotheranostics. Biomaterials Science, 2019, 7, 4720-4729.	5.4	8
7	Highly sensitive electron paramagnetic resonance nanoradicals for quantitative intracellular tumor oxymetric images . International Journal of Nanomedicine, 2019, Volume 14, 2963-2971.	6.7	10
8	Microwave-Synthesized Platinum-Embedded Mesoporous Silica Nanoparticles as Dual-Modality Contrast Agents: Computed Tomography and Optical Imaging. International Journal of Molecular Sciences, 2019, 20, 1560.	4.1	23
9	Evolution of Nanoparticle-Mediated Photodynamic Therapy: From Superficial to Deep-Seated Cancers. Molecules, 2019, 24, 520.	3.8	72
10	Pollen-Structured Gold Nanoclusters for X-ray Induced Photodynamic Therapy. Materials, 2018, 11, 1170.	2.9	10
11	Lectin-functionalized mesoporous silica nanoparticles for endoscopic detection of premalignant colonic lesions. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1941-1952.	3.3	33
12	A co-delivery nanosystem of chemotherapeutics and DNAzyme overcomes cancer drug resistance and metastasis. Nano Futures, 2017, 1, 035005.	2.2	2
13	Synthesis of Polylactideâ€Based Coreâ€“Shell Interface Crossâ€Linked Micelles for Anticancer Drug Delivery. Macromolecular Bioscience, 2017, 17, 1600191.	4.1	19
14	Depicting Binding-Mediated Translocation of HIV-1 Tat Peptides in Living Cells with Nanoscale Pens of Tat-Conjugated Quantum Dots. Sensors, 2017, 17, 315.	3.8	4
15	Exploring in vivo cholesterol-mediated interactions between activated EGF receptors in plasma membrane with single-molecule optical tracking. BMC Biophysics, 2016, 9, 6.	4.4	8
16	Unraveling the impact of lipid domains on the dimerization processes of single-molecule EGFRs of live cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 886-893.	2.6	11
17	Enhanced Plasmonic Resonance Energy Transfer in Mesoporous Silica-Encased Gold Nanorod for Two-Photon-Activated Photodynamic Therapy. Theranostics, 2014, 4, 798-807.	10.0	74
18	Energetic modeling and single-molecule verification of dynamic regulation on receptor complexes by actin corrals and lipid raft domains. Journal of Chemical Physics, 2014, 141, 215102.	3.0	7

#	Article	IF	Citations
19	Controlled epitaxial growth of mesoporous silica/gold nanorod nanolollipops and nanodumb-bells. APL Materials, 2014, 2, 113312.	5.1	12
20	Nanoparticle-facilitated functional and molecular imaging for the early detection of cancer. Frontiers in Molecular Biosciences, 2014, 1, 15.	3.5	26
21	Intra/Inter-Particle Energy Transfer of Luminescence Nanocrystals for Biomedical Applications. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	7
22	Ligand-exchange of TOPO-capped CdSe quantum dots with quinuclidines. , 2012, , .		0
23	Fabrication and modification of dual-faced nano-mushrooms for tri-functional cell theranostics: SERS/fluorescence signaling, protein targeting, and drug delivery. Journal of Materials Chemistry, 2012, 22, 20918.	6.7	17
24	Well-defined mesoporous nanostructure modulates three-dimensional interface energy transfer for two-photon activated photodynamic therapy. Nano Today, 2011, 6, 552-563.	11.9	56
25	Recent Advances in Dynamic Monitoring of Drug Release of Nanoparticle Using FÃ¶rster Resonance Energy Transfer and Fluorescence Lifetime Imaging. Journal of the Chinese Chemical Society, 2011, 58, 798-804.	1.4	7
26	Enhanced Chemotherapy of Cancer Using pH-Sensitive Mesoporous Silica Nanoparticles to Antagonize P-Glycoproteinâ€“Mediated Drug Resistance. Molecular Cancer Therapeutics, 2011, 10, 761-769.	4.1	107
27	Intracellular pHâ€Responsive Mesoporous Silica Nanoparticles for the Controlled Release of Anticancer Chemotherapeutics. Angewandte Chemie - International Edition, 2010, 49, 8214-8219.	13.8	312
28	Tri-functionalization of mesoporous silica nanoparticles for comprehensive cancer theranosticsâ€”the trio of imaging, targeting and therapy. Journal of Materials Chemistry, 2010, 20, 6149.	6.7	200
29	Nearâ€Infrared Mesoporous Silica Nanoparticles for Optical Imaging: Characterization and In Vivo Biodistribution. Advanced Functional Materials, 2009, 19, 215-222.	14.9	285
30	Mesoporous silica nanoparticles functionalized with an oxygen-sensing probe for cell photodynamic therapy: potential cancer theranostics. Journal of Materials Chemistry, 2009, 19, 1252.	6.7	147
31	DESIGN AND CONSTRUCTION OF A HEMODYNAMIC SIMULATOR FOR STUDYING VASCULAR ENDOTHELIAL RESPONSES TO HEMODYNAMIC FORCES. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 95-105.	0.6	1
32	POTENTIAL USAGE OF LIPOSOME-ENCAPSULATED PHOSPHOR FOR IN VIVO IMAGING OF TISSUE OXYGENATION. Biomedical Engineering - Applications, Basis and Communications, 2004, 16, 224-232.	0.6	2
33	A Micro-Light Guide System for Measuring Oxygen by Phosphorescence Quenching. Advances in Experimental Medicine and Biology, 2003, 540, 117-123.	1.6	2
34	Calibration of Oxygen-Dependent Quenching of the Phosphorescence of Pd-meso-tetra (4-Carboxyphenyl) Porphine: A Phosphor with General Application for Measuring Oxygen Concentration in Biological Systems. Analytical Biochemistry, 1996, 236, 153-160.	2.4	228
35	Aptamerized silica/gold nanocapsules for stimulated release of doxorubicin through remote two-photon excitation. International Journal of Smart and Nano Materials, 0, , 1-21.	4.2	0