

# Leu-Wei Lo

## List of Publications by Year in descending order

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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	Intracellular pH-Responsive Mesoporous Silica Nanoparticles for the Controlled Release of Anticancer Chemotherapeutics. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8214-8219.	13.8	312
2	Near-Infrared Mesoporous Silica Nanoparticles for Optical Imaging: Characterization and In Vivo Biodistribution. <i>Advanced Functional Materials</i> , 2009, 19, 215-222.	14.9	285
3	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. <i>Analytical Biochemistry</i> , 1996, 236, 153-160.	2.4	228
4	Tri-functionalization of mesoporous silica nanoparticles for comprehensive cancer theranostics—the trio of imaging, targeting and therapy. <i>Journal of Materials Chemistry</i> , 2010, 20, 6149.	6.7	200
5	Mesoporous silica nanoparticles functionalized with an oxygen-sensing probe for cell photodynamic therapy: potential cancer theranostics. <i>Journal of Materials Chemistry</i> , 2009, 19, 1252.	6.7	147
6	&lt;p&gt;Biodegradable Polymers for Gene-Delivery Applications&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2131-2150.	6.7	109
7	Enhanced Chemotherapy of Cancer Using pH-Sensitive Mesoporous Silica Nanoparticles to Antagonize P-Glycoprotein-Mediated Drug Resistance. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 761-769.	4.1	107
8	Enhanced Plasmonic Resonance Energy Transfer in Mesoporous Silica-Encased Gold Nanorod for Two-Photon-Activated Photodynamic Therapy. <i>Theranostics</i> , 2014, 4, 798-807.	10.0	74
9	Evolution of Nanoparticle-Mediated Photodynamic Therapy: From Superficial to Deep-Seated Cancers. <i>Molecules</i> , 2019, 24, 520.	3.8	72
10	Well-defined mesoporous nanostructure modulates three-dimensional interface energy transfer for two-photon activated photodynamic therapy. <i>Nano Today</i> , 2011, 6, 552-563.	11.9	56
11	Lectin-functionalized mesoporous silica nanoparticles for endoscopic detection of premalignant colonic lesions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1941-1952.	3.3	33
12	Nanoparticle-facilitated functional and molecular imaging for the early detection of cancer. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 15.	3.5	26
13	Microwave-Synthesized Platinum-Embedded Mesoporous Silica Nanoparticles as Dual-Modality Contrast Agents: Computed Tomography and Optical Imaging. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1560.	4.1	23
14	Synthesis of Polylactide-Based Core-Shell Interface Cross-Linked Micelles for Anticancer Drug Delivery. <i>Macromolecular Bioscience</i> , 2017, 17, 1600191.	4.1	19
15	Annealing-modulated nanoscintillators for nonconventional X-ray activation of comprehensive photodynamic effects in deep cancer theranostics. <i>Theranostics</i> , 2020, 10, 6758-6773.	10.0	19
16	Fabrication and modification of dual-faced nano-mushrooms for tri-functional cell theranostics: SERS/fluorescence signaling, protein targeting, and drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 20918.	6.7	17
17	Recent Advances in Gold Nanomaterials for Photothermal Therapy. <i>Journal of Nanotheranostics</i> , 2022, 3, 117-131.	3.1	14
18	Controlled epitaxial growth of mesoporous silica/gold nanorod nanolollipops and nanodumb-bells. <i>APL Materials</i> , 2014, 2, 113312.	5.1	12

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19	Seeing Better and Going Deeper in Cancer Nanotheranostics. International Journal of Molecular Sciences, 2019, 20, 3490.	4.1	12
20	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
21	Pollen-Structured Gold Nanoclusters for X-ray Induced Photodynamic Therapy. Materials, 2018, 11, 1170.	2.9	10
22	&lt;p&gt;Highly sensitive electron paramagnetic resonance nanoradicals for quantitative intracellular tumor oxymetric images&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 2963-2971.	6.7	10
23	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
24	Precision control of the large-scale green synthesis of biodegradable gold nanodandelions as potential radiotheranostics. Biomaterials Science, 2019, 7, 4720-4729.	5.4	8
25	Recent Advances in Dynamic Monitoring of Drug Release of Nanoparticle Using Förster Resonance Energy Transfer and Fluorescence Lifetime Imaging. Journal of the Chinese Chemical Society, 2011, 58, 798-804.	1.4	7
26	Intra/Inter-Particle Energy Transfer of Luminescence Nanocrystals for Biomedical Applications. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	7
27	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
28	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
29	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
30	A co-delivery nanosystem of chemotherapeutics and DNAzyme overcomes cancer drug resistance and metastasis. Nano Futures, 2017, 1, 035005.	2.2	2
31	A Micro-Light Guide System for Measuring Oxygen by Phosphorescence Quenching. Advances in Experimental Medicine and Biology, 2003, 540, 117-123.	1.6	2
32	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
33	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
34	Ligand-exchange of TOPO-capped CdSe quantum dots with quinuclidines. , 2012, , .		0
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