

Yu-Pei Liao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

1,657
citations

19
h-index

33
g-index

33
ext. papers

2,064
ext. citations

13.3
avg, IF

4.48
L-index

#	Paper	IF	Citations
30	Nano-enabled pancreas cancer immunotherapy using immunogenic cell death and reversing immunosuppression. <i>Nature Communications</i> , 2017 , 8, 1811	17.4	259
29	Surface interactions with compartmentalized cellular phosphates explain rare earth oxide nanoparticle hazard and provide opportunities for safer design. <i>ACS Nano</i> , 2014 , 8, 1771-83	16.7	177
28	Surface Oxidation of Graphene Oxide Determines Membrane Damage, Lipid Peroxidation, and Cytotoxicity in Macrophages in a Pulmonary Toxicity Model. <i>ACS Nano</i> , 2018 , 12, 1390-1402	16.7	154
27	NADPH Oxidase-Dependent NLRP3 Inflammasome Activation and its Important Role in Lung Fibrosis by Multiwalled Carbon Nanotubes. <i>Small</i> , 2015 , 11, 2087-97	11	123
26	Tumor-penetrating peptide enhances transcytosis of silicasome-based chemotherapy for pancreatic cancer. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2007-2018	15.9	118
25	Enhancing the imaging and biosafety of upconversion nanoparticles through phosphonate coating. <i>ACS Nano</i> , 2015 , 9, 3293-306	16.7	113
24	Ionizing radiation affects human MART-1 melanoma antigen processing and presentation by dendritic cells. <i>Journal of Immunology</i> , 2004 , 173, 2462-9	5.3	94
23	Toxicological Profiling of Metal Oxide Nanoparticles in Liver Context Reveals Pyroptosis in Kupffer Cells and Macrophages versus Apoptosis in Hepatocytes. <i>ACS Nano</i> , 2018 , 12, 3836-3852	16.7	91
22	Differences in the Toxicological Potential of 2D versus Aggregated Molybdenum Disulfide in the Lung. <i>Small</i> , 2015 , 11, 5079-87	11	76
21	Use of Polymeric Nanoparticle Platform Targeting the Liver To Induce Treg-Mediated Antigen-Specific Immune Tolerance in a Pulmonary Allergen Sensitization Model. <i>ACS Nano</i> , 2019 , 13, 4778-4794	16.7	51
20	Improved Efficacy and Reduced Toxicity Using a Custom-Designed Irinotecan-Delivering Silicasome for Orthotopic Colon Cancer. <i>ACS Nano</i> , 2019 , 13, 38-53	16.7	51
19	Reduction of pulmonary toxicity of metal oxide nanoparticles by phosphonate-based surface passivation. <i>Particle and Fibre Toxicology</i> , 2017 , 14, 13	8.4	46
18	Modification of the tumor microenvironment to enhance immunity. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 3576-600	2.8	39
17	Liposomal Delivery of Mitoxantrone and a Cholesteryl Indoximod Prodrug Provides Effective Chemo-immunotherapy in Multiple Solid Tumors. <i>ACS Nano</i> , 2020 , 14, 13343-13366	16.7	37
16	The Crystallinity and Aspect Ratio of Cellulose Nanomaterials Determine Their Pro-Inflammatory and Immune Adjuvant Effects In Vitro and In Vivo. <i>Small</i> , 2019 , 15, e1901642	11	26
15	Mechanistic Differences in Cell Death Responses to Metal-Based Engineered Nanomaterials in Kupffer Cells and Hepatocytes. <i>Small</i> , 2020 , 16, e2000528	11	21
14	Use of ratiometrically designed nanocarrier targeting CDK4/6 and autophagy pathways for effective pancreatic cancer treatment. <i>Nature Communications</i> , 2020 , 11, 4249	17.4	21

13	Lateral size of graphene oxide determines differential cellular uptake and cell death pathways in Kupffer cells, LSECs, and hepatocytes. <i>Nano Today</i> , 2021 , 37, 101061-101061	17.9	21
12	Development of self-assembled multi-arm polyrotaxanes nanocarriers for systemic plasmid delivery in vivo. <i>Biomaterials</i> , 2019 , 192, 416-428	15.6	21
11	Development of Facile and Versatile Platinum Drug Delivering Silicasome Nanocarriers for Efficient Pancreatic Cancer Chemo-Immunotherapy. <i>Small</i> , 2021 , 17, e2005993	11	18
10	Toxicological Profiling of Highly Purified Single-Walled Carbon Nanotubes with Different Lengths in the Rodent Lung and Escherichia Coli. <i>Small</i> , 2018 , 14, e1703915	11	18
9	Antigen- and Epitope-Delivering Nanoparticles Targeting Liver Induce Comparable Immunotolerance in Allergic Airway Disease and Anaphylaxis as Nanoparticle-Delivering Pharmaceuticals. <i>ACS Nano</i> , 2021 , 15, 1608-1626	16.7	16
8	Combination Chemo-Immunotherapy for Pancreatic Cancer Using the Immunogenic Effects of an Irinotecan Silicasome Nanocarrier Plus Anti-PD-1. <i>Advanced Science</i> , 2021 , 8, 2002147	13.6	14
7	Pro-Inflammatory and Pro-Fibrogenic Effects of Ionic and Particulate Arsenide and Indium-Containing Semiconductor Materials in the Murine Lung. <i>ACS Nano</i> , 2017 , 11, 1869-1883	16.7	13
6	Immune checkpoint inhibition in syngeneic mouse cancer models by a silicasome nanocarrier delivering a GSK3 inhibitor. <i>Biomaterials</i> , 2021 , 269, 120635	15.6	13
5	Nanocellulose Length Determines the Differential Cytotoxic Effects and Inflammatory Responses in Macrophages and Hepatocytes. <i>Small</i> , 2021 , 17, e2102545	11	8
4	NLRP3 inflammasome activation determines the fibrogenic potential of PM air pollution particles in the lung.. <i>Journal of Environmental Sciences</i> , 2022 , 111, 429-441	6.4	6
3	Dissolution of 2D Molybdenum Disulfide Generates Differential Toxicity among Liver Cell Types Compared to Non-Toxic 2D Boron Nitride Effects. <i>Small</i> , 2021 , 17, e2101084	11	4
2	Use of a liver-targeting nanoparticle platform to intervene in peanut-induced anaphylaxis through delivery of an Ara h2 T-cell epitope. <i>Nano Today</i> , 2022 , 42, 101370	17.9	1
1	Silicasome Nanocarriers: Development of Facile and Versatile Platinum Drug Delivering Silicasome Nanocarriers for Efficient Pancreatic Cancer Chemo-Immunotherapy (Small 14/2021). <i>Small</i> , 2021 , 17, 2170065	11	1