

Huang-Chiao Huang

List of Publications by Year in descending order

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39
papers

2,278
citations

331538

21
h-index

315616

38
g-index

39
all docs

39
docs citations

39
times ranked

3927
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtentacle Formation in Ovarian Carcinoma. <i>Cancers</i> , 2022, 14, 800.	1.7	3
2	Quantifying the Photochemical Damage Potential of Contrast-Enhanced Fluorescence Imaging Products: Singlet Oxygen Production. <i>Photochemistry and Photobiology</i> , 2022, .	1.3	2
3	Photodynamic Therapy for Biomodulation and Disinfection in Implant Dentistry: Is It Feasible and Effective?. <i>Photochemistry and Photobiology</i> , 2021, 97, 916-929.	1.3	10
4	Intratumoral Photosensitizer Delivery and Photodynamic Therapy. <i>Nano LIFE</i> , 2021, 11, 2130003.	0.6	6
5	Use of photoimmunoconjugates to characterize ABCB1 in cancer cells. <i>Nanophotonics</i> , 2021, 10, 3049-3061.	2.9	4
6	Malignant Ascites in Ovarian Cancer: Cellular, Acellular, and Biophysical Determinants of Molecular Characteristics and Therapy Response. <i>Cancers</i> , 2021, 13, 4318.	1.7	47
7	Mechanistic Insights into Photodynamic Regulation of Adenosine 5'-Triphosphate-Binding Cassette Drug Transporters. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1578-1587.	2.5	5
8	Evolutionary dynamics of cancer multidrug resistance in response to olaparib and photodynamic therapy. <i>Translational Oncology</i> , 2021, 14, 101198.	1.7	6
9	Photodynamic Priming Improves the Anti-Migratory Activity of Prostaglandin E Receptor 4 Antagonist in Cancer Cells In Vitro. <i>Cancers</i> , 2021, 13, 5259.	1.7	4
10	Liposomal SDF-1 Alpha Delivery in Nanocomposite Hydrogels Promotes Macrophage Phenotype Changes and Skin Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5230-5241.	2.6	14
11	Predictors and Limitations of the Penetration Depth of Photodynamic Effects in the Rodent Brain. <i>Photochemistry and Photobiology</i> , 2020, 96, 301-309.	1.3	21
12	Harnessing the Potential Synergistic Interplay Between Photosensitizer Dark Toxicity and Chemotherapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 636-645.	1.3	7
13	Photodynamic Therapy and the Biophysics of the Tumor Microenvironment. <i>Photochemistry and Photobiology</i> , 2020, 96, 232-259.	1.3	55
14	Breaking the selectivity-uptake trade-off of photoimmunoconjugates with nanoliposomal irinotecan for synergistic multi-tier cancer targeting. <i>Journal of Nanobiotechnology</i> , 2020, 18, 1.	4.2	226
15	Photodynamic Priming Modulates Endothelial Cell-Cell Junction Phenotype for Light-activated Remote Control of Drug Delivery. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 27, 1-1.	1.9	23
16	A liposome/gelatin methacrylate nanocomposite hydrogel system for delivery of stromal cell-derived factor-1 α and stimulation of cell migration. <i>Acta Biomaterialia</i> , 2020, 108, 67-76.	4.1	41
17	Quantitatively relating brain endothelial cell-cell junction phenotype to global and local barrier properties under varied culture conditions via the Junction Analyzer Program. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 16.	2.4	15
18	Vitamin D Receptor Activation and Photodynamic Priming Enables Durable Low-dose Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1308-1319.	1.9	33

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19	Flow-induced Shear Stress Confers Resistance to Carboplatin in an Adherent Three-Dimensional Model for Ovarian Cancer: A Role for EGFR-Targeted Photoimmunotherapy Informed by Physical Stress. <i>Journal of Clinical Medicine</i> , 2020, 9, 924.	1.0	31
20	Immunological and Toxicological Considerations for the Design of Liposomes. <i>Nanomaterials</i> , 2020, 10, 190.	1.9	168
21	Depth-resolved imaging of photosensitizer in the rodent brain using fluorescence laminar optical tomography. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	2
22	Systematic Evaluation of Light-Activatable Biohybrids for Anti-Glioma Photodynamic Therapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 1269.	1.0	20
23	Porphyrin-lipid assemblies and nanovesicles overcome ABC transporter-mediated photodynamic therapy resistance in cancer cells. <i>Cancer Letters</i> , 2019, 457, 110-118.	3.2	39
24	Size-Dependent Tumor Response to Photodynamic Therapy and Irinotecan Monotherapies Revealed by Longitudinal Ultrasound Monitoring in an Orthotopic Pancreatic Cancer Model. <i>Photochemistry and Photobiology</i> , 2019, 95, 378-386.	1.3	25
25	Mechanism-informed Repurposing of Minocycline Overcomes Resistance to Topoisomerase Inhibition for Peritoneal Carcinomatosis. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 508-520.	1.9	25
26	Photodynamic Priming Mitigates Chemotherapeutic Selection Pressures and Improves Drug Delivery. <i>Cancer Research</i> , 2018, 78, 558-571.	0.4	70
27	Immobilization of Photo-Immunoconjugates on Nanoparticles Leads to Enhanced Light-Activated Biological Effects. <i>Small</i> , 2018, 14, e1800236.	5.2	43
28	Photonanomedicine: a convergence of photodynamic therapy and nanotechnology. <i>Nanoscale</i> , 2016, 8, 12471-12503.	2.8	144
29	Photodynamic Therapy Synergizes with Irinotecan to Overcome Compensatory Mechanisms and Improve Treatment Outcomes in Pancreatic Cancer. <i>Cancer Research</i> , 2016, 76, 1066-1077.	0.4	104
30	CHAPTER 8. Targeted Photodynamic Therapy—An Assimilation of Successes, Challenges and Future Directions. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2016, , 137-160.	0.3	2
31	Photodynamic therapy with decacationic [60]fullerene monoadducts: Effect of a light absorbing electron-donor antenna and micellar formulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 795-808.	1.7	44
32	The "" World in Photodynamic Therapy. <i>Austin Journal of Nanomedicine & Nanotechnology</i> , 2014, 2, .	0.0	1
33	Laser Welding of Ruptured Intestinal Tissue Using Plasmonic Polypeptide Nanocomposite Solders. <i>ACS Nano</i> , 2013, 7, 2988-2998.	7.3	55
34	Investigation of Phase Separation Behavior and Formation of Plasmonic Nanocomposites from Polypeptide-Gold Nanorod Nanoassemblies. <i>Langmuir</i> , 2012, 28, 6645-6655.	1.6	13
35	Discovery of Cationic Polymers for Non-Viral Gene Delivery Using Combinatorial Approaches. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 908-924.	0.6	60
36	Inorganic nanoparticles for cancer imaging and therapy. <i>Journal of Controlled Release</i> , 2011, 155, 344-357.	4.8	506

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37	Spatiotemporal Temperature Distribution and Cancer Cell Death in Response to Extracellular Hyperthermia Induced by Gold Nanorods. ACS Nano, 2010, 4, 2892-2900.	7.3	191
38	Simultaneous Enhancement of Photothermal Stability and Gene Delivery Efficacy of Gold Nanorods Using Polyelectrolytes. ACS Nano, 2009, 3, 2941-2952.	7.3	158
39	Optically Responsive Gold Nanorod-Polypeptide Assemblies. Langmuir, 2008, 24, 14139-14144.	1.6	55