Marites P Melancon

List of Publications by Year
in descending order

54 papers	3,399 citations	218381 26 h-index	168136 53 g-index
55 all docs	55 docs citations	55 times ranked	5920 citing authors

#	Article	IF	Citations
1	A Chelator-Free Multifunctional [⁶⁴Cu]CuS Nanoparticle Platform for Simultaneous Micro-PET/CT Imaging and Photothermal Ablation Therapy. Journal of the American Chemical Society, 2010, 132, 15351-15358.	6.6	678
2	Cancer Theranostics with Near-Infrared Light-Activatable Multimodal Nanoparticles. Accounts of Chemical Research, 2011, 44, 947-956.	7.6	468
3	In vitro and in vivo targeting of hollow gold nanoshells directed at epidermal growth factor receptor for photothermal ablation therapy. Molecular Cancer Therapeutics, 2008, 7, 1730-1739.	1.9	392
4	Effects of Photoacoustic Imaging and Photothermal Ablation Therapy Mediated by Targeted Hollow Gold Nanospheres in an Orthotopic Mouse Xenograft Model of Glioma. Cancer Research, 2011, 71, 6116-6121.	0.4	196
5	Irreversible electroporation reverses resistance to immune checkpoint blockade in pancreatic cancer. Nature Communications, 2019, 10, 899.	5.8	169
6	Targeted multifunctional gold-based nanoshells for magnetic resonance-guided laser ablation of head and neck cancer. Biomaterials, 2011, 32, 7600-7608.	5.7	122
7	Gold-Based Magneto/Optical Nanostructures: Challenges for In Vivo Applications in Cancer Diagnostics and Therapy. MRS Bulletin, 2009, 34, 415-421.	1.7	81
8	In vitro and in vivo mapping of drug release after laser ablation thermal therapy with doxorubicin-loaded hollow gold nanoshells using fluorescence and photoacoustic imaging. Journal of Controlled Release, 2013, 172, 152-158.	4.8	78
9	Near-infrared light modulated photothermal effect increases vascular perfusion and enhances polymeric drug delivery. Journal of Controlled Release, 2011, 156, 265-272.	4.8	70
10	Challenges to effective cancer nanotheranostics. Journal of Controlled Release, 2012, 164, 177-182.	4.8	69
11	Theranostics With Multifunctional Magnetic Gold Nanoshells. Investigative Radiology, 2011, 46, 132-140.	3.5	66
12	Magnetic resonance and photoacoustic imaging of brain tumor mediated by mesenchymal stem cell labeled with multifunctional nanoparticle introduced via carotid artery injection. Nanotechnology, 2018, 29, 165101.	1.3	57
13	Cancer theranostics with gold nanoshells. Nanomedicine, 2014, 9, 2041-2057.	1.7	56
14	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1877-1882.	3.3	55
15	Understanding Nanoparticle Toxicity to Direct a Safe-by-Design Approach in Cancer Nanomedicine. Nanomaterials, 2020, 10, 2186.	1.9	49
16	A Novel Method for Imaging In Vivo Degradation of Poly(L-Glutamic Acid), a Biodegradable Drug Carrier. Pharmaceutical Research, 2007, 24, 1217-1224.	1.7	48
17	Targeted imaging of tumor-associated M2 macrophages using a macromolecular contrast agent PG-Gd-NIR813. Biomaterials, 2010, 31, 6567-6573.	5.7	48
18	Development of a Macromolecular Dual-Modality MR-Optical Imaging for Sentinel Lymph Node Mapping. Investigative Radiology, 2007, 42, 569-578.	3.5	47

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19	Stem cell-mediated delivery of SPIO-loaded gold nanoparticles for the theranosis of liver injury and hepatocellular carcinoma. Nanotechnology, 2014, 25, 405101.	1.3	43
20	Macrophages as a potential tumor-microenvironment target for noninvasive imaging of early response to anticancer therapy. Biomaterials, 2018, 152, 63-76.	5.7	36
21	Light-Activatable Gold Nanoshells for Drug Delivery Applications. AAPS PharmSciTech, 2014, 15, 741-752.	1.5	33
22	Photoacoustic imaging driven by an interstitial irradiation source. Photoacoustics, 2015, 3, 45-54.	4.4	33
23	Multifunctional Synthetic Poly(<scp>l</scp>-Glutamic Acid)â€“Based Cancer Therapeutic and Imaging Agents. Molecular Imaging, 2011, 10, 7290.2011.00007.	0.7	32
24	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. Journal of Functional Biomaterials, 2016, 7, 19.	1.8	32
25	Gold Nanoparticles in Cancer Therapy: Efficacy, Biodistribution, and Toxicity. Current Pharmaceutical Design, 2015, 21, 4240-4251.	0.9	32
26	Radiopaque nano and polymeric materials for atherosclerosis imaging, embolization and other catheterization procedures. Acta Pharmaceutica Sinica B, 2018, 8, 360-370.	5.7	30
27	Radium-223 Treatment Increases Immune Checkpoint Expression in Extracellular Vesicles from the Metastatic Prostate Cancer Bone Microenvironment. Clinical Cancer Research, 2021, 27, 3253-3264.	3.2	26
28	Safety and Efficacy of an Absorbable Filter in the Inferior Vena Cava to Prevent Pulmonary Embolism in Swine. Radiology, 2017, 285, 820-829.	3.6	24
29	Doxorubicin-loaded hollow gold nanospheres for dual photothermal ablation and chemoembolization therapy. Cancer Nanotechnology, 2020, 11, .	1.9	22
30	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. Journal of Functional Biomaterials, 2016, 7, 19.	1.8	22
31	Imaging Intratumoral Nanoparticle Uptake After Combining Nanoembolization with Various Ablative Therapies in Hepatic VX2 Rabbit Tumors. Journal of Biomedical Nanotechnology, 2016, 12, 296-307.	0.5	21
32	Development of an Electroporation and Nanoparticle-based Therapeutic Platform for Bone Metastases. Radiology, 2018, 286, 149-157.	3.6	21
33	The degradation and clearance of Poly(N-hydroxypropyl-l-glutamine)-DTPA-Gd as a blood pool MRI contrast agent. Biomaterials, 2012, 33, 5376-5383.	5.7	20
34	Infusion of iodine-based contrast agents into poly(p-dioxanone) as a radiopaque resorbable IVC filter. Journal of Materials Science: Materials in Medicine, 2015, 26, 124.	1.7	18
35	Photoacoustic- and Magnetic Resonance-Guided Photothermal Therapy and Tumor Vasculature Visualization Using Theranostic Magnetic Gold Nanoshells. Journal of Biomedical Nanotechnology, 2015, 11, 1442-1450.	0.5	18
36	Precision Nanomedicine Using Dual PET and MR Temperature Imagingâ€“Guided Photothermal Therapy. Journal of Nuclear Medicine, 2016, 57, 1778-1783.	2.8	18

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37	Radiopaque Resorbable Inferior Vena Cava Filter Infused with Gold Nanoparticles. Scientific Reports, 2017, 7, 2147.	1.6	16
38	In vivo performance of gold nanoparticle-loaded absorbable inferior vena cava filters in a swine model. Biomaterials Science, 2020, 8, 3966-3978.	2.6	16
39	Antitumor efficacy of liposome-encapsulated NVP-BEZ 235 in combination with irreversible electroporation. Drug Delivery, 2018, 25, 668-678.	2.5	15
40	Hepatic Arterial Bland Embolization Increases Th17 Cell Infiltration in a Syngeneic Rat Model of Hepatocellular Carcinoma. CardioVascular and Interventional Radiology, 2020, 43, 311-321.	0.9	15
41	Fully automated preparation of 68Ga-PSMA-11â€¯atâ€¯curie level quantity using cyclotron-produced 68Ga for clinical applications. Applied Radiation and Isotopes, 2020, 155, 108936.	0.7	14
42	Optimization of the differentiation and quantification of highâ€Z nanoparticles incorporated in medical devices for CTâ€guided interventions. Medical Physics, 2021, 48, 300-312.	1.6	13
43	Rabbit hepatic arterial anatomy variations: implications on experimental design. Acta Radiologica, 2014, 55, 1226-1233.	0.5	12
44	Exploring gold nanoparticle interactions with proteins and the tumor microenvironment in biological systems. Translational Cancer Research, 2017, 6, S309-S312.	0.4	10
45	Antitumor Efficacy of Liposome-Encapsulated NVP-BEZ235 Combined with Irreversible Electroporation for Head and Neck Cancer. Molecules, 2019, 24, 3560.	1.7	10
46	Antitumor Efficacy of Irreversible Electroporation and Doxorubicin-Loaded Polymeric Micelles. ACS Macro Letters, 2015, 4, 1081-1084.	2.3	9
47	Recent Advances in Nanomedicine for the Diagnosis and Treatment of Prostate Cancer Bone Metastasis. Molecules, 2021, 26, 384.	1.7	9
48	Multifunctional synthetic poly(L-glutamic acid)-based cancer therapeutic and imaging agents. Molecular Imaging, 2011, 10, 28-42.	0.7	9
49	Bismuth Nanoparticle and Polyhydroxybutyrate Coatings Enhance the Radiopacity of Absorbable Inferior Vena Cava Filters for Fluoroscopy-Guided Placement and Longitudinal Computed Tomography Monitoring in Pigs. ACS Biomaterials Science and Engineering, 2022, 8, 1676-1685.	2.6	6
50	In vivo imaging of radiopaque resorbable inferior vena cava filter infused with gold nanoparticles. , 2018, 10576, .		5
51	A novel irinotecan-lipiodol nanoemulsion for intravascular administration: pharmacokinetics and biodistribution in the normal and tumor bearing rat liver. Drug Delivery, 2021, 28, 240-251.	2.5	3
52	Nanoparticle Formulation to Improve the Efficacy of Radiation Therapy Against Radiation-resistant Leukemia. EBioMedicine, 2015, 2, 486.	2.7	2
53	Combinatorial effect of radium-223 and irreversible electroporation on prostate cancer bone metastasis in mice. International Journal of Hyperthermia, 2021, 38, 650-662.	1.1	2
54	Emerging Polymer Materials in Trackable Endovascular Embolization and Cell Delivery: From Hype to Hope. Biomimetics, 2022, 7, 77.	1.5	2