

Marites P Melancon

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.

53
papers

2,843
citations

25
h-index

53
g-index

55
ext. papers

3,141
ext. citations

7.8
avg, IF

4.95
L-index

#	Paper	IF	Citations
53	A chelator-free multifunctional [64Cu]CuS nanoparticle platform for simultaneous micro-PET/CT imaging and photothermal ablation therapy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15351-8	16.4	604
52	Cancer theranostics with near-infrared light-activatable multimodal nanoparticles. <i>Accounts of Chemical Research</i> , 2011 , 44, 947-56	24.3	427
51	In vitro and in vivo targeting of hollow gold nanoshells directed at epidermal growth factor receptor for photothermal ablation therapy. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 1730-9	6.1	350
50	Effects of photoacoustic imaging and photothermal ablation therapy mediated by targeted hollow gold nanospheres in an orthotopic mouse xenograft model of glioma. <i>Cancer Research</i> , 2011 , 71, 6116-21	10.1	183
49	Targeted multifunctional gold-based nanoshells for magnetic resonance-guided laser ablation of head and neck cancer. <i>Biomaterials</i> , 2011 , 32, 7600-8	15.6	105
48	Irreversible electroporation reverses resistance to immune checkpoint blockade in pancreatic cancer. <i>Nature Communications</i> , 2019 , 10, 899	17.4	104
47	Gold-Based Magneto/Optical Nanostructures: Challenges for In Vivo Applications in Cancer Diagnostics and Therapy. <i>MRS Bulletin</i> , 2009 , 34, 415-421	3.2	77
46	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. <i>Journal of Controlled Release</i> , 2013 , 172, 152-158	11.7	70
45	Near-infrared light modulated photothermal effect increases vascular perfusion and enhances polymeric drug delivery. <i>Journal of Controlled Release</i> , 2011 , 156, 265-72	11.7	63
44	Challenges to effective cancer nanotheranostics. <i>Journal of Controlled Release</i> , 2012 , 164, 177-82	11.7	60
43	Theranostics with multifunctional magnetic gold nanoshells: photothermal therapy and t2* magnetic resonance imaging. <i>Investigative Radiology</i> , 2011 , 46, 132-40	10.1	57
42	Magnetic resonance and photoacoustic imaging of brain tumor mediated by mesenchymal stem cell labeled with multifunctional nanoparticle introduced via carotid artery injection. <i>Nanotechnology</i> , 2018 , 29, 165101	3.4	46
41	Cancer theranostics with gold nanoshells. <i>Nanomedicine</i> , 2014 , 9, 2041-57	5.6	46
40	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1877-82	11.5	45
39	Development of a macromolecular dual-modality MR-optical imaging for sentinel lymph node mapping. <i>Investigative Radiology</i> , 2007 , 42, 569-78	10.1	45
38	Targeted imaging of tumor-associated M2 macrophages using a macromolecular contrast agent PG-Gd-NIR813. <i>Biomaterials</i> , 2010 , 31, 6567-73	15.6	44
37	A novel method for imaging in vivo degradation of poly(L-glutamic acid), a biodegradable drug carrier. <i>Pharmaceutical Research</i> , 2007 , 24, 1217-24	4.5	44

36	Stem cell-mediated delivery of SPIO-loaded gold nanoparticles for the theranosis of liver injury and hepatocellular carcinoma. <i>Nanotechnology</i> , 2014 , 25, 405101	3.4	34
35	Multifunctional Synthetic Poly(L-Glutamic Acid)Based Cancer Therapeutic and Imaging Agents. <i>Molecular Imaging</i> , 2011 , 10, 7290.2011.00007	3.7	31
34	Gold Nanoparticles in Cancer Therapy: Efficacy, Biodistribution, and Toxicity. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4240-51	3.3	29
33	Photoacoustic imaging driven by an interstitial irradiation source. <i>Photoacoustics</i> , 2015 , 3, 45-54	9	28
32	Understanding Nanoparticle Toxicity to Direct a Safe-by-Design Approach in Cancer Nanomedicine. <i>Nanomaterials</i> , 2020 , 10,	5.4	28
31	Macrophages as a potential tumor-microenvironment target for noninvasive imaging of early response to anticancer therapy. <i>Biomaterials</i> , 2018 , 152, 63-76	15.6	27
30	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. <i>Journal of Functional Biomaterials</i> , 2016 , 7,	4.8	26
29	Light-activatable gold nanoshells for drug delivery applications. <i>AAPS PharmSciTech</i> , 2014 , 15, 741-52	3.9	25
28	Imaging Intratumoral Nanoparticle Uptake After Combining Nanoembolization with Various Ablative Therapies in Hepatic VX2 Rabbit Tumors. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 296-307	4	19
27	Photoacoustic- and Magnetic Resonance-Guided Photothermal Therapy and Tumor Vasculature Visualization Using Theranostic Magnetic Gold Nanoshells. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1442-50	4	17
26	The degradation and clearance of Poly(N-hydroxypropyl-L-glutamine)-DTPA-Gd as a blood pool MRI contrast agent. <i>Biomaterials</i> , 2012 , 33, 5376-83	15.6	17
25	Precision Nanomedicine Using Dual PET and MR Temperature Imaging-Guided Photothermal Therapy. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1778-1783	8.9	16
24	Safety and Efficacy of an Absorbable Filter in the Inferior Vena Cava to Prevent Pulmonary Embolism in Swine. <i>Radiology</i> , 2017 , 285, 820-829	20.5	16
23	Infusion of iodine-based contrast agents into poly(p-dioxanone) as a radiopaque resorbable IVC filter. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 124	4.5	15
22	Radiopaque nano and polymeric materials for atherosclerosis imaging, embolization and other catheterization procedures. <i>Acta Pharmaceutica Sinica B</i> , 2018 , 8, 360-370	15.5	15
21	Stimuli-Responsive Gold Nanoparticles for Cancer Diagnosis and Therapy. <i>Journal of Functional Biomaterials</i> , 2016 , 7, 19	4.8	15
20	Development of an Electroporation and Nanoparticle-based Therapeutic Platform for Bone Metastases. <i>Radiology</i> , 2018 , 286, 149-157	20.5	13
19	Radium-223 Treatment Increases Immune Checkpoint Expression in Extracellular Vesicles From the Metastatic Prostate Cancer Bone Microenvironment. <i>Clinical Cancer Research</i> , 2021 , 27, 3253-3264	12.9	13

18	Antitumor efficacy of liposome-encapsulated NVP-BEZ 235 in combination with irreversible electroporation. <i>Drug Delivery</i> , 2018 , 25, 668-678	7	12
17	Anti-tumor Efficacy Study using Irreversible Electroporation and Doxorubicin-loaded Polymeric Micelles. <i>ACS Macro Letters</i> , 2015 , 4, 1081-1084	6.6	9
16	Radiopaque Resorbable Inferior Vena Cava Filter Infused with Gold Nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 2147	4.9	8
15	Doxorubicin-loaded hollow gold nanospheres for dual photothermal ablation and chemoembolization therapy. <i>Cancer Nanotechnology</i> , 2020 , 11,	7.9	8
14	Rabbit hepatic arterial anatomy variations: implications on experimental design. <i>Acta Radiologica</i> , 2014 , 55, 1226-33	2	7
13	Multifunctional synthetic poly(L-glutamic acid)-based cancer therapeutic and imaging agents. <i>Molecular Imaging</i> , 2011 , 10, 28-42	3.7	7
12	Hepatic Arterial Bland Embolization Increases Th17 Cell Infiltration in a Syngeneic Rat Model of Hepatocellular Carcinoma. <i>CardioVascular and Interventional Radiology</i> , 2020 , 43, 311-321	2.7	7
11	Fully automated preparation of Ga-PSMA-11 at curie level quantity using cyclotron-produced Ga for clinical applications. <i>Applied Radiation and Isotopes</i> , 2020 , 155, 108936	1.7	6
10	In vivo performance of gold nanoparticle-loaded absorbable inferior vena cava filters in a swine model. <i>Biomaterials Science</i> , 2020 , 8, 3966-3978	7.4	5
9	Exploring gold nanoparticle interactions with proteins and the tumor microenvironment in biological systems. <i>Translational Cancer Research</i> , 2017 , 6, S309-S312	0.3	5
8	Antitumor Efficacy of Liposome-Encapsulated NVP-BEZ235 Combined with Irreversible Electroporation for Head and Neck Cancer. <i>Molecules</i> , 2019 , 24,	4.8	4
7	In vivo imaging of radiopaque resorbable inferior vena cava filter infused with gold nanoparticles. <i>Proceedings of SPIE</i> , 2018 , 10576,	1.7	3
6	Recent Advances in Nanomedicine for the Diagnosis and Treatment of Prostate Cancer Bone Metastasis. <i>Molecules</i> , 2021 , 26,	4.8	3
5	Optimization of the differentiation and quantification of high-Z nanoparticles incorporated in medical devices for CT-guided interventions. <i>Medical Physics</i> , 2021 , 48, 300-312	4.4	2
4	A novel irinotecan-lipiodol nanoemulsion for intravascular administration: pharmacokinetics and biodistribution in the normal and tumor bearing rat liver. <i>Drug Delivery</i> , 2021 , 28, 240-251	7	2
3	Nanoparticle Formulation to Improve the Efficacy of Radiation Therapy Against Radiation-resistant Leukemia. <i>EBioMedicine</i> , 2015 , 2, 486	8.8	1
2	Combinatorial effect of radium-223 and irreversible electroporation on prostate cancer bone metastasis in mice. <i>International Journal of Hyperthermia</i> , 2021 , 38, 650-662	3.7	0
1	Theranostic Applications of Gold CoreShell Structured Nanoparticles 2011 , 683-708		

