

# Duarte de Melo-Diogo

## List of Publications by Citations

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39  
papers

1,549  
citations

21  
h-index

39  
g-index

41  
ext. papers

2,000  
ext. citations

6.8  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
39	3D tumor spheroids: an overview on the tools and techniques used for their analysis. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 1427-1441	17.8	329
38	Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700073	10.1	142
37	Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 93-99	10.3	72
36	IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 542, 164-175	6.5	70
35	Poly(2-ethyl-2-oxazoline)-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. <i>Journal of Controlled Release</i> , <b>2014</b> , 189, 90-104	11.7	69
34	Bioreducible poly(2-ethyl-2-oxazoline)-PLA-PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, 175-191	11.7	68
33	Graphene family nanomaterials for application in cancer combination photothermal therapy. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3534-3551	7.4	65
32	Spheroids Formation on Non-Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. <i>Biotechnology Journal</i> , <b>2018</b> , 13, 1700417	5.6	62
31	IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 113, 108-117	5.7	61
30	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , <b>2015</b> , 15, 353-79	5.4	56
29	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 88, 1012-25	5.7	56
28	Functionalization of graphene family nanomaterials for application in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 260-275	6	51
27	Combinatorial delivery of Crizotinib-Palbociclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 88, 718-29	5.7	45
26	Hyaluronic acid functionalized nanoparticles loaded with IR780 and DOX for cancer chemo-photothermal therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 137, 86-94	5.7	42
25	Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901665	10.1	40
24	In vitro characterization of 3D printed scaffolds aimed at bone tissue regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 165, 207-218	6	40
23	POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 131, 162-169	5.7	38

22	Green reduced graphene oxide functionalized 3D printed scaffolds for bone tissue regeneration. <i>Carbon</i> , <b>2019</b> , 146, 513-523	10.4	36
21	Injectable in situ forming thermo-responsive graphene based hydrogels for cancer chemo-photothermal therapy and NIR light-enhanced antibacterial applications. <i>Materials Science and Engineering C</i> , <b>2020</b> , 117, 111294	8.3	33
20	D-Etocopheryl polyethylene glycol 1000 succinate functionalized nanographene oxide for cancer therapy. <i>Nanomedicine</i> , <b>2017</b> , 12, 443-456	5.6	31
19	Comparative study of the therapeutic effect of Doxorubicin and Resveratrol combination on 2D and 3D (spheroids) cell culture models. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 551, 76-83	6.5	25
18	IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 582, 119346	6.5	17
17	ClearT immersion optical clearing method for intact 3D spheroids imaging through confocal laser scanning microscopy. <i>Optics and Laser Technology</i> , <b>2018</b> , 106, 94-99	4.2	14
16	The importance of spheroids in analyzing nanomedicine efficacy. <i>Nanomedicine</i> , <b>2020</b> , 15, 1513-1525	5.6	12
15	Combining Photothermal-Photodynamic Therapy Mediated by Nanomaterials with Immune Checkpoint Blockade for Metastatic Cancer Treatment and Creation of Immune Memory. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010777	15.6	11
14	Sulfobetaine methacrylate-functionalized graphene oxide-IR780 nanohybrids aimed at improving breast cancer phototherapy.. <i>RSC Advances</i> , <b>2020</b> , 10, 38621-38630	3.7	10
13	Establishment of 2D Cell Cultures Derived From 3D MCF-7 Spheroids Displaying a Doxorubicin Resistant Profile. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800268	5.6	10
12	Mitoxantrone-loaded lipid nanoparticles for breast cancer therapy - Quality-by-design approach and efficacy assessment in 2D and 3D in vitro cancer models. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 607, 121044	6.5	8
11	Polyethylene glycol molecular weight influences the ClearT2 optical clearing method for spheroids imaging by confocal laser scanning microscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-11	3.5	7
10	Assessing the Combinatorial Chemo-Photothermal Therapy Mediated by Sulfobetaine Methacrylate-Functionalized Nanoparticles in 2D and 3D In Vitro Cancer Models. <i>Biotechnology Journal</i> , <b>2020</b> , 15, e2000219	5.6	5
9	Inorganic-based drug delivery systems for cancer therapy <b>2020</b> , 283-316		4
8	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells <b>2016</b> , 163-207		4
7	Poly(2-ethyl-2-oxazoline) functionalized reduced graphene oxide: Optimization of the reduction process using dopamine and application in cancer photothermal therapy. <i>Materials Science and Engineering C</i> , <b>2021</b> , 130, 112468	8.3	3
6	Combinatorial delivery of doxorubicin and acridine orange by gold core silica shell nanospheres functionalized with poly(ethylene glycol) and 4-methoxybenzamide for cancer targeted therapy. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 219, 111433	4.2	3
5	HA/PEI-coated acridine orange-loaded gold-core silica shell nanorods for cancer-targeted photothermal and chemotherapy. <i>Nanomedicine</i> , <b>2021</b> , 16, 2569-2586	5.6	2

4	Sulfobetaine methacrylate-albumin-coated graphene oxide incorporating IR780 for enhanced breast cancer phototherapy. <i>Nanomedicine</i> , <b>2021</b> , 16, 453-464	5.6	2
3	Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. <i>Pharmaceutics</i> , <b>2022</b> , 14, 1015	6.4	2
2	IR780 loaded gelatin-PEG coated gold core silica shell nanorods for cancer-targeted photothermal/photodynamic therapy. <i>Biotechnology and Bioengineering</i> , <b>2021</b> ,	4.9	1
1	Influence of and Agitation Conditions in the Fluorescence Imaging of 3D Spheroids. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	1