Duarte de Melo-Diogo

List of Publications by Year
in descending order

41	2,403	257101 24	301761 39
papers	citations	h-index	g-index

41	41	41	3694
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D tumor spheroids: an overview on the tools and techniques used for their analysis. Biotechnology Advances, 2016, 34, 1427-1441.	6.0	579
2	Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. Advanced Healthcare Materials, 2017, 6, 1700073.	3.9	205
3	Spheroids Formation on Nonâ€Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. Biotechnology Journal, 2018, 13, 1700417.	1.8	115
4	IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. International Journal of Pharmaceutics, 2018, 542, 164-175.	2.6	105
5	Graphene family nanomaterials for application in cancer combination photothermal therapy. Biomaterials Science, 2019, 7, 3534-3551.	2.6	98
6	Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. Carbohydrate Polymers, 2018, 200, 93-99.	5.1	95
7	IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 108-117.	2.0	78
8	Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. Advanced Healthcare Materials, 2020, 9, e1901665.	3.9	76
9	Poly(2-ethyl-2-oxazoline)â€“PLA-gâ€“PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. Journal of Controlled Release, 2014, 189, 90-104.	4.8	75
10	Bioreducible poly(2-ethyl-2-oxazoline)â€“PLAâ€“PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. Journal of Controlled Release, 2015, 213, 175-191.	4.8	75
11	Minicircle DNA vectors for gene therapy: advances and applications. Expert Opinion on Biological Therapy, 2015, 15, 353-379.	1.4	73
12	Functionalization of graphene family nanomaterials for application in cancer therapy. Colloids and Surfaces B: Biointerfaces, 2018, 171, 260-275.	2.5	69
13	Injectable in situ forming thermo-responsive graphene based hydrogels for cancer chemo-photothermal therapy and NIR light-enhanced antibacterial applications. Materials Science and Engineering C, 2020, 117, 111294.	3.8	67
14	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 1012-1025.	2.0	61
15	Hyaluronic acid functionalized nanoparticles loaded with IR780 and DOX for cancer chemo-photothermal therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 137, 86-94.	2.0	60
16	In vitro characterization of 3D printed scaffolds aimed at bone tissue regeneration. Colloids and Surfaces B: Biointerfaces, 2018, 165, 207-218.	2.5	59
17	Green reduced graphene oxide functionalized 3D printed scaffolds for bone tissue regeneration. Carbon, 2019, 146, 513-523.	5.4	54
18	Combinatorial delivery of Crizotinibâ€“Palbociclibâ€“Sildenafil using TPGS-PLA micelles for improved cancer treatment. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 718-729.	2.0	53

#	Article	IF	Citations
19	POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 131, 162-169.	2.0	52
20	Comparative study of the therapeutic effect of Doxorubicin and Resveratrol combination on 2D and 3D (spheroids) cell culture models. International Journal of Pharmaceutics, 2018, 551, 76-83.	2.6	43
21	Combining Photothermalâ€Photodynamic Therapy Mediated by Nanomaterials with Immune Checkpoint Blockade for Metastatic Cancer Treatment and Creation of Immune Memory. Advanced Functional Materials, 2021, 31, 2010777.	7.8	36
22	D-Î±-tocopheryl polyethylene glycol 1000 succinate functionalized nanographene oxide for cancer therapy. Nanomedicine, 2017, 12, 443-456.	1.7	35
23	IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. International Journal of Pharmaceutics, 2020, 582, 119346.	2.6	26
24	ClearT immersion optical clearing method for intact 3D spheroids imaging through confocal laser scanning microscopy. Optics and Laser Technology, 2018, 106, 94-99.	2.2	24
25	Establishment of 2D Cell Cultures Derived From 3D MCFâ€7 Spheroids Displaying a Doxorubicin Resistant Profile. Biotechnology Journal, 2019, 14, e1800268.	1.8	21
26	The importance of spheroids in analyzing nanomedicine efficacy. Nanomedicine, 2020, 15, 1513-1525.	1.7	21
27	Mitoxantrone-loaded lipid nanoparticles for breast cancer therapy â€“ Quality-by-design approach and efficacy assessment in 2D and 3D in vitro cancer models. International Journal of Pharmaceutics, 2021, 607, 121044.	2.6	20
28	Sulfobetaine methacrylate-functionalized graphene oxide-IR780 nanohybrids aimed at improving breast cancer phototherapy. RSC Advances, 2020, 10, 38621-38630.	1.7	18
29	Chitosan-based injectable in situ forming hydrogels containing dopamine-reduced graphene oxide and resveratrol for breast cancer chemo-photothermal therapy. Biochemical Engineering Journal, 2022, 185, 108529.	1.8	15
30	IR780 loaded gelatinâ€PEG coated gold core silica shell nanorods for cancerâ€targeted photothermal/photodynamic therapy. Biotechnology and Bioengineering, 2022, 119, 644-656.	1.7	12
31	Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. Pharmaceutics, 2022, 14, 1015.	2.0	12
32	Assessing the Combinatorial Chemoâ€Photothermal Therapy Mediated by Sulfobetaine Methacrylateâ€Functionalized Nanoparticles in 2D and 3D In Vitro Cancer Models. Biotechnology Journal, 2020, 15, 2000219.	1.8	11
33	Poly(2-ethyl-2-oxazoline) functionalized reduced graphene oxide: Optimization of the reduction process using dopamine and application in cancer photothermal therapy. Materials Science and Engineering C, 2021, 130, 112468.	3.8	11
34	HA/PEI-coated acridine orange-loaded gold-core silica shell nanorods for cancer-targeted photothermal and chemotherapy. Nanomedicine, 2021, 16, 2569-2586.	1.7	11
35	Polyethylene glycol molecular weight influences the ClearT2 optical clearing method for spheroids imaging by confocal laser scanning microscopy. Journal of Biomedical Optics, 2018, 23, 1.	1.4	10
36	Inorganic-based drug delivery systems for cancer therapy. , 2020, , 283-316.		6

#	Article	IF	Citations
37	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. , 2016, , 163-207.		5
38	Sulfobetaine methacrylate-albumin-coated graphene oxide incorporating IR780 for enhanced breast cancer phototherapy. Nanomedicine, 2021, 16, 453-464.	1.7	5
39	Optimization of the GSH-Mediated Formation of Mesoporous Silica-Coated Gold Nanoclusters for NIR Light-Triggered Photothermal Applications. Nanomaterials, 2021, 11, 1946.	1.9	5
40	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. Journal of Inorganic Biochemistry, 2021, 219, 111433.	1.5	4
41	Influence of ClearT and ClearT2 Agitation Conditions in the Fluorescence Imaging of 3D Spheroids. International Journal of Molecular Sciences, 2021, 22, 266.	1.8	3