# Duarte de Melo-Diogo

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 2,403 citations | 257450 24 h-index | 302126 39 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 3694 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. | 11.7 | 579 |
| 2 | Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. Advanced Healthcare Materials, 2017, 6, 1700073. | 7.6 | 205 |
| 3 | Spheroids Formation on Nonâ€Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. Biotechnology Journal, 2018, 13, 1700417. | 3.5 | 115 |
| 4 | IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. International Journal of Pharmaceutics, 2018, 542, 164-175. | 5.2 | 105 |
| 5 | Graphene family nanomaterials for application in cancer combination photothermal therapy. Biomaterials Science, 2019, 7, 3534-3551. | 5.4 | 98 |
| 6 | Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. Carbohydrate Polymers, 2018, 200, 93-99. | 10.2 | 95 |
| 7 | IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 108-117. | 4.3 | 78 |
| 8 | Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. Advanced Healthcare Materials, 2020, 9, e1901665. | 7.6 | 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. | 9.9 | 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. | 9.9 | 75 |
| 11 | Minicircle DNA vectors for gene therapy: advances and applications. Expert Opinion on Biological Therapy, 2015, 15, 353-379. | 3.1 | 73 |
| 12 | Functionalization of graphene family nanomaterials for application in cancer therapy. Colloids and Surfaces B: Biointerfaces, 2018, 171, 260-275. | 5.0 | 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. | 7.3 | 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. | 4.3 | 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. | 4.3 | 60 |
| 16 | In vitro characterization of 3D printed scaffolds aimed at bone tissue regeneration. Colloids and Surfaces B: Biointerfaces, 2018, 165, 207-218. | 5.0 | 59 |
| 17 | Green reduced graphene oxide functionalized 3D printed scaffolds for bone tissue regeneration. Carbon, 2019, 146, 513-523. | 10.3 | 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. | 4.3 | 53 |

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|---|---|---|---|
| 19 | POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 131, 162-169. | 4.3 | 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. | 5.2 | 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. | 14.9 | 36 |
| 22 | D-Î±-tocopheryl polyethylene glycol 1000 succinate functionalized nanographene oxide for cancer therapy. Nanomedicine, 2017, 12, 443-456. | 3.3 | 35 |
| 23 | IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. International Journal of Pharmaceutics, 2020, 582, 119346. | 5.2 | 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. | 4.6 | 24 |
| 25 | Establishment of 2D Cell Cultures Derived From 3D MCFâ€7 Spheroids Displaying a Doxorubicin Resistant Profile. Biotechnology Journal, 2019, 14, e1800268. | 3.5 | 21 |
| 26 | The importance of spheroids in analyzing nanomedicine efficacy. Nanomedicine, 2020, 15, 1513-1525. | 3.3 | 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. | 5.2 | 20 |
| 28 | Sulfobetaine methacrylate-functionalized graphene oxide-IR780 nanohybrids aimed at improving breast cancer phototherapy. RSC Advances, 2020, 10, 38621-38630. | 3.6 | 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. | 3.6 | 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. | 3.3 | 12 |
| 31 | Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. Pharmaceutics, 2022, 14, 1015. | 4.5 | 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. | 3.5 | 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. | 7.3 | 11 |
| 34 | HA/PEI-coated acridine orange-loaded gold-core silica shell nanorods for cancer-targeted photothermal and chemotherapy. Nanomedicine, 2021, 16, 2569-2586. | 3.3 | 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. | 2.6 | 10 |
| 36 | Inorganic-based drug delivery systems for cancer therapy. , 2020, , 283-316. | | 6 |

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|---|---|---|---|
| 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. | 3.3 | 5 |
| 39 | Optimization of the GSH-Mediated Formation of Mesoporous Silica-Coated Gold Nanoclusters for NIR Light-Triggered Photothermal Applications. Nanomaterials, 2021, 11, 1946. | 4.1 | 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. | 3.5 | 4 |
| 41 | Influence of ClearT and ClearT2 Agitation Conditions in the Fluorescence Imaging of 3D Spheroids. International Journal of Molecular Sciences, 2021, 22, 266. | 4.1 | 3 |