Tania Betancourt

List of Publications by Year
in descending order

35 papers	2,687 citations	471061 17 h-index	360668 35 g-index
35 all docs	35 docs citations	35 times ranked	4968 citing authors

#	Article	IF	Citations
1	Dual Photothermal/Chemotherapy of Melanoma Cells with Albumin Nanoparticles Carrying Indocyanine Green and Doxorubicin Leads to Immunogenic Cell Death. Macromolecular Bioscience, 2022, 22, e2100353.	2.1	10
2	Design of smart nanomedicines for effective cancer treatment. International Journal of Pharmaceutics, 2022, 621, 121791.	2.6	15
3	Synthesis, optical properties and inÂvitro cell viability of novel spiropyrans and their photostationary states. Tetrahedron, 2021, 80, 131854.	1.0	17
4	Laser nanobubbles induce immunogenic cell death in breast cancer. Nanoscale, 2021, 13, 3644-3653.	2.8	7
5	Conducting Polymer-Based Electrochemical Aptasensor for the Detection of Adenosine. ACS Applied Polymer Materials, 2021, 3, 6674-6683.	2.0	5
6	Induction of immunogenic cell death of cancer cells through nanoparticle-mediated dual chemotherapy and photothermal therapy. International Journal of Pharmaceutics, 2020, 589, 119787.	2.6	23
7	Induction of Immunogenic Cell Death in Breast Cancer by Conductive Polymer Nanoparticle-Mediated Photothermal Therapy. ACS Applied Polymer Materials, 2020, 2, 5602-5620.	2.0	16
8	High Throughput Preparation of Poly(Lactic-Co-Glycolic Acid) Nanoparticles Using Fiber Fluidic Reactor. Materials, 2020, 13, 3075.	1.3	3
9	Biomedical Application of ElectroactiveÂPolymers in Electrochemical Sensors: A Review. Materials, 2019, 12, 2629.	1.3	32
10	Photo-Uncaging of a Microtubule-Targeted Rigidin Analogue in Hypoxic Cancer Cells and in a Xenograft Mouse Model. Journal of the American Chemical Society, 2019, 141, 18444-18454.	6.6	84
11	Microtubuleâ€Targeting 7â€Deazahypoxanthines Derived from Marine Alkaloid Rigidins: Exploration of the N3 and N9 Positions and Interaction with Multidrugâ€Resistance Proteins. ChemMedChem, 2019, 14, 322-333.	1.6	5
12	Undergraduate research experiences: mentoring, awareness, and perceptionsâ€”a case study at a Hispanic-serving institution. International Journal of STEM Education, 2018, 5, 9.	2.7	31
13	Enhanced Release of Molecules upon Ultraviolet (UV) Light Irradiation from Photoresponsive Hydrogels Prepared from Bifunctional Azobenzene and Four-Arm Poly(ethylene glycol). ACS Applied Materials & Interfaces, 2018, 10, 30071-30080.	4.0	44
14	Computational Study of DNA-Cross-Linked Hydrogel Formation for Drug Delivery Applications. Macromolecules, 2018, 51, 9758-9768.	2.2	11
15	Doxorubicin-loaded protease-activated near-infrared fluorescent polymeric nanoparticles for imaging and therapy of cancer. International Journal of Nanomedicine, 2018, Volume 13, 6961-6986.	3.3	50
16	Development of a simple coarse-grained DNA model for analysis of oligonucleotide complex formation. Molecular Simulation, 2018, 44, 1004-1015.	0.9	6
17	Marine Molluskâ€Derived Agents with Antiproliferative Activity as Promising Anticancer Agents to Overcome Chemotherapy Resistance. Medicinal Research Reviews, 2017, 37, 702-801.	5.0	46
18	High throughput fiber reactor process for organic nanoparticle production: Poly(Nâ€isopropylacrylamide), polyacrylamide, and alginate. Journal of Applied Polymer Science, 2017, 134, 45524.	1.3	2

#	Article	IF	Citations
19	Conductive polymer-based nanoparticles for laser-mediated photothermal ablation of cancer: synthesis, characterization, and in vitro evaluation. International Journal of Nanomedicine, 2017, Volume 12, 615-632.	3.3	36
20	Near-infrared fluorescent aza-BODIPY dye-loaded biodegradable polymeric nanoparticles for optical cancer imaging. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	10
21	Targeted therapy of hepatocellular carcinoma with aptamer-functionalized biodegradable nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	11
22	Electroactive Polymer Nanoparticles Exhibiting Photothermal Properties. Journal of Visualized Experiments, 2016, , .	0.2	5
23	Novel Microtubule-Targeting 7-Deazahypoxanthines Derived from Marine Alkaloid Rigidins with Potent in Vitro and in Vivo Anticancer Activities. Journal of Medicinal Chemistry, 2016, 59, 480-485.	2.9	17
24	Biodegradable DNA-enabled poly(ethylene glycol) hydrogels prepared by copper-free click chemistry. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 22-39.	1.9	37
25	Synthesis, bioactivity and zeta potential investigations of chlorine and fluorine substituted hydroxyapatite. Materials Science and Engineering C, 2016, 59, 78-85.	3.8	63
26	Enzymatically activated near infrared nanoprobes based on amphiphilic block copolymers for optical detection of cancer. Lasers in Surgery and Medicine, 2015, 47, 579-594.	1.1	11
27	Targeting hepatocellular carcinoma with aptamer-functionalized PLGA/PLA-PEG nanoparticles. Proceedings of SPIE, 2014, , .	0.8	2
28	Photochemical synthesis of bimetallic and anisotropic Au-containing nanoparticles using a one-step protocol. Journal of Materials Chemistry A, 2014, 2, 17574-17585.	5.2	11
29	Exploring Natural Product Chemistry and Biology with Multicomponent Reactions. 5. Discovery of a Novel Tubulin-Targeting Scaffold Derived from the Rigidin Family of Marine Alkaloids. Journal of Medicinal Chemistry, 2013, 56, 6886-6900.	2.9	45
30	Characterization of pHâ€responsive hydrogels of poly(itaconic acidâ€gâ€ethylene glycol) prepared by UVâ€initiated free radical polymerization as biomaterials for oral delivery of bioactive agents. Journal of Biomedical Materials Research - Part A, 2010, 93A, 175-188.	2.1	57
31	PEGylation strategies for active targeting of PLA/PLGA nanoparticles. Journal of Biomedical Materials Research - Part A, 2009, 91A, 263-276.	2.1	115
32	Rhodamine-loaded poly(lactic-co-glycolic acid) nanoparticles for investigation of inÂvitro interactions with breast cancer cells. Journal of Materials Science: Materials in Medicine, 2009, 20, 387-395.	1.7	26
33	Active targeting schemes for nanoparticle systems in cancer therapeutics. Advanced Drug Delivery Reviews, 2008, 60, 1615-1626.	6.6	1,498
34	Doxorubicin-loaded PLGA nanoparticles by nanoprecipitation: preparation, characterization andinÂvitroevaluation. Nanomedicine, 2007, 2, 219-232.	1.7	209
35	Micro- and nanofabrication methods in nanotechnological medical and pharmaceutical devices. International Journal of Nanomedicine, 2006, 1, 483-495.	3.3	127