

Diana Diaz-Dussan

List of Publications by Year in descending order

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papers

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29
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#	ARTICLE	IF	CITATIONS
1	Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. <i>ACS Macro Letters</i> , 2018, 7, 904-908.	2.3	149
2	Antifouling and Antibacterial Polymer-Coated Surfaces Based on the Combined Effect of Zwitterions and the Natural Borneol. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9006-9014.	4.0	65
3	In Situ Forming, Dual-Crosslink Network, Self-Healing Hydrogel Enabled by a Bioorthogonal Nopoldiolâ€™Benzoxaborolate Click Reaction with a Wide pH Range. <i>Chemistry of Materials</i> , 2019, 31, 4092-4102.	3.2	64
4	Injectable Self-Healing Hydrogel via Biological Environment-Adaptive Supramolecular Assembly for Gastric Perforation Healing. <i>ACS Nano</i> , 2021, 15, 9913-9923.	7.3	57
5	Dual Cross-Linked Hydrogels with Injectable, Self-Healing, and Antibacterial Properties Based on the Chemical and Physical Cross-Linking. <i>Biomacromolecules</i> , 2021, 22, 1685-1694.	2.6	35
6	Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture. <i>ACS Applied Bio Materials</i> , 2018, 1, 356-366.	2.3	33
7	Effective and Specific Gene Silencing of Epidermal Growth Factor Receptors Mediated by Conjugated Oxaborole and Galactose-Based Polymers. <i>ACS Macro Letters</i> , 2017, 6, 768-774.	2.3	31
8	Well-Defined Cationic <i>N</i> -[3-(Dimethylamino)propyl]methacrylamide Hydrochloride-Based (Co)polymers for siRNA Delivery. <i>Biomacromolecules</i> , 2018, 19, 209-221.	2.6	30
9	Dynamic Flexible Hydrogel Network with Biological Tissue-like Self-Protective Functions. <i>Chemistry of Materials</i> , 2020, 32, 10545-10555.	3.2	30
10	Dual-Cross-Linked Network Hydrogels with Multiresponsive, Self-Healing, and Shear Strengthening Properties. <i>Biomacromolecules</i> , 2021, 22, 800-810.	2.6	29
11	Trehalose-Based Polyethers for Cryopreservation and Three-Dimensional Cell Scaffolds. <i>Biomacromolecules</i> , 2020, 21, 1264-1273.	2.6	25
12	Hydroxyl-Rich PGMA-Based Cationic Glycopolymers for Intracellular siRNA Delivery: Biocompatibility and Effect of Sugar Decoration Degree. <i>Biomacromolecules</i> , 2019, 20, 2068-2074.	2.6	24
13	Tumor Microenvironment-Regulated Redox Responsive Cationic Galactose-Based Hyperbranched Polymers for siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2019, 30, 405-412.	1.8	22
14	Acid Degradable Cationic Galactose-Based Hyperbranched Polymers as Nanotherapeutic Vehicles for Epidermal Growth Factor Receptor (EGFR) Knockdown in Cervical Carcinoma. <i>Biomacromolecules</i> , 2018, 19, 4052-4058.	2.6	21
15	Preparation and Characterization of Thermoresponsive PEG-Based Injectable Hydrogels and Their Application for 3D Cell Culture. <i>Biomacromolecules</i> , 2020, 21, 1254-1263.	2.6	18
16	Zwitterionic Block Copolymer Prodrug Micelles for pH Responsive Drug Delivery and Hypoxia-Specific Chemotherapy. <i>Molecular Pharmaceutics</i> , 2022, 19, 1766-1777.	2.3	11
17	Facile Preparation of Macromolecular Prodrugs for Hypoxia-Specific Chemotherapy. <i>ACS Macro Letters</i> , 2020, 9, 1687-1692.	2.3	9
18	Cellular mechanism of action of 2-nitroimidazoles as hypoxia-selective therapeutic agents. <i>Redox Biology</i> , 2022, 52, 102300.	3.9	9

#	ARTICLE	IF	CITATIONS
19	Achieving Safe and Highly Efficient Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma by Cationic Degradable Hyperbranched Polymers. ACS Applied Bio Materials, 2018, 1, 961-966.	2.3	8
20	Multi-responsive, injectable, and self-healing hydrogels based on benzoxaborole-tannic acid complexation. Polymer Chemistry, 2021, 12, 5623-5630.	1.9	8
21	Oncogenic Epidermal Growth Factor Receptor Silencing in Cervical Carcinoma Mediated by Dynamic Sugar-Benzoxaborole Polyplexes. ACS Macro Letters, 2020, 9, 1464-1470.	2.3	7
22	Glycopolymer-Cell-Penetrating Peptide (CPP) Conjugates for Efficient Epidermal Growth Factor Receptor (EGFR) Silencing. ACS Macro Letters, 2022, 11, 580-587.	2.3	7
23	Temperature-Responsive Aldehyde Hydrogels with Injectable, Self-Healing, and Tunable Mechanical Properties. Biomacromolecules, 2022, 23, 2552-2561.	2.6	7
24	Identification of proteins and cellular pathways targeted by 2-nitroimidazole hypoxic cytotoxins. Redox Biology, 2021, 41, 101905.	3.9	5
25	Glyco-Nanomedicines and Their Applications in Cancer Treatment. , 2021, , 566-585.		1