Biana Godin

List of Publications by Year in descending order

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49 papers	5,458 citations	136950 32 h-index	223800 46 g-index
55 all docs	55 docs citations	55 times ranked	8616 citing authors

#	Article	IF	Citations
1	Nanomedicineâ€"Challenge and Perspectives. Angewandte Chemie - International Edition, 2009, 48, 872-897.	13.8	1,111
2	Transdermal skin delivery: Predictions for humans from in vivo, ex vivo and animal modelsâ˜†. Advanced Drug Delivery Reviews, 2007, 59, 1152-1161.	13.7	559
3	Geometrical confinement of gadolinium-based contrast agents in nanoporous particles enhances T1 contrast. Nature Nanotechnology, 2010, 5, 815-821.	31.5	379
4	Sustained Small Interfering RNA Delivery by Mesoporous Silicon Particles. Cancer Research, 2010, 70, 3687-3696.	0.9	313
5	Biocompatibility assessment of Si-based nano- and micro-particles. Advanced Drug Delivery Reviews, 2012, 64, 1800-1819.	13.7	218
6	Emerging applications of nanomedicine for the diagnosis and treatment of cardiovascular diseases. Trends in Pharmacological Sciences, 2010, 31, 199-205.	8.7	217
7	Multistage Nanovectors: From Concept to Novel Imaging Contrast Agents and Therapeutics. Accounts of Chemical Research, 2011, 44, 979-989.	15.6	198
8	Enabling individualized therapy through nanotechnology. Pharmacological Research, 2010, 62, 57-89.	7.1	188
9	Ethosomes: New Prospects in Transdermal Delivery. Critical Reviews in Therapeutic Drug Carrier Systems, 2003, 20, 63-102.	2.2	185
10	Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice. Advanced Functional Materials, 2012, 22, 4225-4235.	14.9	170
11	Enhanced delivery of drugs into and across the skin by ethosomal carriers. Drug Development Research, 2000, 50, 406-415.	2.9	150
12	Multi-stage delivery nano-particle systems for therapeutic applications. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 317-329.	2.4	127
13	Logicâ€Embedded Vectors for Intracellular Partitioning, Endosomal Escape, and Exocytosis of Nanoparticles. Small, 2010, 6, 2691-2700.	10.0	100
14	Mitotic trafficking of silicon microparticles. Nanoscale, 2009, 1, 250.	5.6	91
15	Internalization of Red Blood Cell-Mimicking Hydrogel Capsules with pH-Triggered Shape Responses. ACS Nano, 2014, 8, 5725-5737.	14.6	90
16	Tailoring the degradation kinetics of mesoporous silicon structures through PEGylation. Journal of Biomedical Materials Research - Part A, 2010, 94A, 1236-1243.	4.0	89
17	Cellular Association and Assembly of a Multistage Delivery System. Small, 2010, 6, 1329-1340.	10.0	89
18	Erythromycin Ethosomal Systems: Physicochemical Characterization and Enhanced Antibacterial Activity. Current Drug Delivery, 2005, 2, 269-275.	1.6	84

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19	Silicon Microâ€•and Nanofabrication for Medicine. Advanced Healthcare Materials, 2013, 2, 632-666.	7.6	67
20	Porous silicon nanocarriers for dual targeting tumor associated endothelial cells and macrophages in stroma of orthotopic human pancreatic cancers. Cancer Letters, 2013, 334, 319-327.	7.2	63
21	Cubical Shape Enhances the Interaction of Layerâ€byâ€Layer Polymeric Particles with Breast Cancer Cells. Advanced Healthcare Materials, 2015, 4, 2657-2666.	7.6	60
22	Redirecting Transport of Nanoparticle Albumin-Bound Paclitaxel to Macrophages Enhances Therapeutic Efficacy against Liver Metastases. Cancer Research, 2016, 76, 429-439.	0.9	54
23	Near-Infrared Imaging Method for the In Vivo Assessment of the Biodistribution of Nanoporous Silicon Particles. Molecular Imaging, 2011, 10, 7290.2011.00011.	1.4	50
24	Enhanced performance of macrophage-encapsulated nanoparticle albumin-bound-paclitaxel in hypo-perfused cancer lesions. Nanoscale, 2016, 8, 12544-12552.	5.6	49
25	Macrophage Polarization Contributes to the Anti-Tumoral Efficacy of Mesoporous Nanovectors Loaded with Albumin-Bound Paclitaxel. Frontiers in Immunology, 2017, 8, 693.	4.8	49
26	An Integrated Approach for the Rational Design of Nanovectors for Biomedical Imaging and Therapy. Advances in Genetics, 2010, 69, 31-64.	1.8	48
27	Size of the nanovectors determines the transplacental passage in pregnancy: study in rats. American Journal of Obstetrics and Gynecology, 2011, 204, 546.e5-546.e9.	1.3	41
28	Uterus-targeted liposomes for preterm labor management: studies in pregnant mice. Scientific Reports, 2016, 6, 34710.	3.3	37
29	Hydrogen-Bonded Multilayers of Silk Fibroin: From Coatings to Cell-Mimicking Shaped Microcontainers. ACS Macro Letters, 2012, 1, 384-387.	4.8	35
30	Liposomes: a nanoscale drug carrying systemÂto prevent indomethacin passage toÂthe fetus in a pregnant mouse model. American Journal of Obstetrics and Gynecology, 2015, 212, 508.e1-508.e7.	1.3	34
31	Near-infrared imaging method for the in vivo assessment of the biodistribution of nanoporous silicon particles. Molecular Imaging, 2011, 10, 56-68.	1.4	32
32	Bacteriophage associated silicon particles: design and characterization of a novel theranostic vector with improved payload carrying potential. Journal of Materials Chemistry B, 2013, 1, 5218.	5.8	20
33	Gemcitabine enhances the transport of nanovector-albumin-bound paclitaxel in gemcitabine-resistant pancreatic ductal adenocarcinoma. Cancer Letters, 2017, 403, 296-304.	7.2	20
34	Design and in vitro characterization of multistage silicon-PLGA budesonide particles for inflammatory bowel disease. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 151, 61-72.	4.3	17
35	Thioaptamer targeted discoidal microparticles increase self immunity and reduce Mycobacterium tuberculosis burden in mice. Journal of Controlled Release, 2017, 266, 238-247.	9.9	16
36	Design and In Vitro Evaluation of Layer by Layer siRNA Nanovectors Targeting Breast Tumor Initiating Cells. PLoS ONE, 2014, 9, e91986.	2.5	15

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37	Multistage Mesoporous Silicon-based Nanocarriers: Biocompatibility with Immune Cells and Controlled Degradation in Physiological Fluids. , 2008, 25, 9-11.		12
38	Targeted nanoparticles in pregnancy: a new frontier in perinatal therapeutics. American Journal of Obstetrics and Gynecology, 2017, 216, 204-205.	1.3	9
39	Modeling of Nanotherapy Response as a Function of the Tumor Microenvironment: Focus on Liver Metastasis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1011.	4.1	8
40	Cardiovascular Nanomedicine:A Posse Ad Esse. Methodist DeBakey Cardiovascular Journal, 2012, 8, 2-5.	1.0	7
41	Drug Delivery: Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice (Adv. Funct. Mater. 20/2012). Advanced Functional Materials, 2012, 22, 4186-4186.	14.9	6
42	Low pressure mediated enhancement of nanoparticle and macromolecule loading into porous silicon structures. Open Material Sciences, 2014, 1, .	0.8	4
43	Cardiovascular Nanomedicine: Challenges and Opportunities. , 2012, , 249-281.		3
44	Dermal and Transdermal Delivery. , 2015, , 1-12.		2
45	Injectable Multistage Nanovectors for Enhancing Imaging Contrast and Directed Therapy. Nanostructure Science and Technology, 2012, , 201-223.	0.1	1
46	The Importance of Particle Geometry in Design of Therapeutic and Imaging Nanovectors. Advances in Delivery Science and Technology, 2016, , 157-200.	0.4	1
47	Nanocarrier-Based Anticancer Therapies with the Focus on Strategies for Targeting the Tumor Microenvironment. Fundamental Biomedical Technologies, 2016, , 67-122.	0.2	0
48	Nanotechnology toward Advancing Personalized Medicine. , 2014, , 1-57.		0
49	Dermal and Transdermal Delivery. , 2016, , 696-707.		0