Laure Gibot

List of Publications by Year
in descending order

48 papers	1,405 citations	471509 17 h-index	330143 37 g-index
48 all docs	48 docs citations	48 times ranked	2223 citing authors

#	Article	IF	Citations
1	Encapsulation of a cationic antimicrobial peptide into self-assembled polyion complex nano-objects enhances its antitumor properties. Journal of Molecular Structure, 2022, 1249, 131482.	3.6	3
2	Pulsed Electric Fields Induce Extracellular Matrix Remodeling through Matrix Metalloproteinases Activation and Decreased Collagen Production. Journal of Investigative Dermatology, 2022, 142, 1326-1337.e9.	0.7	2
3	Cold helium plasma jet does not stimulate collagen remodeling in a 3D human dermal substitute. Bioelectrochemistry, 2022, 143, 107985.	4.6	1
4	Hybrid Polymeric Nanostructures Stabilized by Zirconium and Gadolinium Ions for Use as Magnetic Resonance Imaging Contrast Agents. ACS Applied Nano Materials, 2021, 4, 4974-4982.	5.0	14
5	Transfer of small interfering RNA by electropermeabilization in tumor spheroids. Bioelectrochemistry, 2021, 141, 107848.	4.6	2
6	Vascular and extracellular matrix remodeling by physical approaches to improve drug delivery at the tumor site. Expert Opinion on Drug Delivery, 2020, 17, 1703-1726.	5.0	16
7	Calcium Delivery by Electroporation Induces In Vitro Cell Death through Mitochondrial Dysfunction without DNA Damages. Cancers, 2020, 12, 425.	3.7	28
8	Role of Polymer Micelles in the Delivery of Photodynamic Therapy Agent to Liposomes and Cells. Cancers, 2020, 12, 384.	3.7	12
9	Rational design of block copolymer self-assemblies in photodynamic therapy. Beilstein Journal of Nanotechnology, 2020, 11, 180-212.	2.8	17
10	Electroporation does not affect human dermal fibroblast proliferation and migration properties directly but indirectly via the secretome. Bioelectrochemistry, 2020, 134, 107531.	4.6	7
11	Amphiphilic polymers based on polyoxazoline as relevant nanovectors for photodynamic therapy. Journal of Materials Chemistry B, 2019, 7, 4973-4982.	5.8	15
12	Pulsed Electric Field Treatment Enhances the Cytotoxicity of Plasma-Activated Liquids in a Three-Dimensional Human Colorectal Cancer Cell Model. Scientific Reports, 2019, 9, 7583.	3.3	37
13	Elucidation of in vitro cellular steps induced by antitumor treatment with plasma-activated medium. Scientific Reports, 2019, 9, 4866.	3.3	40
14	Evaluations of Acute and Sub-Acute Biological Effects of Narrowband and Moderate-Band High Power Electromagnetic Waves on Cellular Spheroids. Scientific Reports, 2019, 9, 15324.	3.3	5
15	Electric field-responsive nanoparticles and electric fields: physical, chemical, biological mechanisms and therapeutic prospects. Advanced Drug Delivery Reviews, 2019, 138, 56-67.	13.7	113
16	A journey from the endothelium to the tumor tissue: distinct behavior between PEO-PCL micelles and polymersomes nanocarriers. Drug Delivery, 2018, 25, 1766-1778.	5.7	14
17	High power electromagnetic pulse applicators for evaluation of biological effects induced by electromagnetic radiation waves. RSC Advances, 2018, 8, 16319-16329.	3.6	3
18	Importance of endogenous extracellular matrix in biomechanical properties of human skin model. Biofabrication, 2017, 9, 025017.	7.1	17

#	Article	IF	Citations
19	Tissue-engineered 3D human lymphatic microvascular network for in vitro studies of lymphangiogenesis. Nature Protocols, 2017, 12, 1077-1088.	12.0	43
20	3D Tissue Models to Bridge the Gap Between Cell Culture and Tissue in Assessing Electroporation. , 2017, , 255-269.		0
21	Electroporation in Scars/Wound Healing and Skin Response. , 2017, , 531-548.		0
22	How Imaging Membrane and Cell Processes Involved in Electropermeabilization Can Improve Its Development in Cell Biology and in Clinics. Advances in Anatomy, Embryology and Cell Biology, 2017, 227, 107-118.	1.6	1
23	Electroporation Applications in Wound Healing. Frontiers in Nanobiomedical Research, 2017, , 355-377.	0.1	0
24	Drug Release by Direct Jump from Poly(ethylene-glycol-b-Îµ-caprolactone) Nano-Vector to Cell Membrane. Molecules, 2016, 21, 1643.	3.8	9
25	Self-assembled polymeric vectors mixtures: characterization of the polymorphism and existence of synergistic effects in photodynamic therapy. Nanotechnology, 2016, 27, 315102.	2.6	16
26	Crosslinked polymeric self-assemblies as an efficient strategy for photodynamic therapy on a 3D cell culture. RSC Advances, 2016, 6, 69984-69998.	3.6	17
27	3D Tissue Models to Bridge the Gap Between Cell Culture and Tissue in Assessing Electroporation. , 2016, , 1-15.		0
28	Conjugates of Benzoxazole and GFP Chromophore with Aggregationâ€Induced Enhanced Emission: Influence of the Chain Length on the Formation of Particles and on the Dye Uptake by Living Cells. Small, 2016, 12, 6602-6612.	10.0	28
29	Cell-based approach for 3D reconstruction of lymphatic capillaries inÂvitro reveals distinct functions of HGF and VEGF-C in lymphangiogenesis. Biomaterials, 2016, 78, 129-139.	11.4	75
30	How transient alterations of organelles in mammalian cells submitted to electric field may explain some aspects of gene electrotransfer process. Bioelectrochemistry, 2016, 112, 166-172.	4.6	7
31	Gene transfer by pulsed electric field is highly promising in cutaneous wound healing. Expert Opinion on Biological Therapy, 2016, 16, 67-77.	3.1	16
32	Electroporation in Scars/Wound Healing and Skin Response. , 2016, , 1-18.		3
33	Mixed Spheroids as a Relevant 3D Biological Tool to Understand Therapeutic Window of Electrochemotherapy. IFMBE Proceedings, 2016, , 200-203.	0.3	5
34	Gene Electrotransfer in 3D Reconstructed Human Dermal Tissue. Current Gene Therapy, 2016, 16, 75-82.	2.0	11
35	New efficient high power microwave applicator enabling optimal E-field coupling and homogeneity in biological sample. , 2015, , .		0
36	Efficient In Vitro Electropermeabilization of Reconstructed Human Dermal Tissue. Journal of Membrane Biology, 2015, 248, 903-908.	2.1	21

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37	Anticancer properties of chitosan on human melanoma are cell line dependent. International Journal of Biological Macromolecules, 2015, 72, 370-379.	7.5	84
38	Calcium Electroporation: Evidence for Differential Effects in Normal and Malignant Cell Lines, Evaluated in a 3D Spheroid Model. PLoS ONE, 2015, 10, e0144028.	2.5	88
39	Polymeric Micelles Encapsulating Photosensitizer: Structure/Photodynamic Therapy Efficiency Relation. Biomacromolecules, 2014, 15, 1443-1455.	5.4	62
40	Plane wave in vitro exposure of biological samples, geometries considerations. , 2014, , .		1
41	3D Spheroidsâ€™ Sensitivity to Electric Field Pulses Depends on Their Size. Journal of Membrane Biology, 2013, 246, 745-750.	2.1	16
42	Antitumor drug delivery in multicellular spheroids by electropermeabilization. Journal of Controlled Release, 2013, 167, 138-147.	9.9	67
43	The Pivotal Role of Vascularization in Tissue Engineering. Annual Review of Biomedical Engineering, 2013, 15, 177-200.	12.3	277
44	Development of a tridimensional microvascularized human skin substitute to study melanoma biology. Clinical and Experimental Metastasis, 2013, 30, 83-90.	3.3	40
45	Progress and Prospects: The Use of 3D Spheroid Model as a Relevant Way to Study and Optimize DNA Electrotransfer. Current Gene Therapy, 2013, 13, 175-181.	2.0	15
46	Bladder substitute reconstructed in a physiological pressure environment. Journal of Pediatric Urology, 2011, 7, 276-282.	1.1	30
47	A Preexisting Microvascular Network Benefits In Vivo Revascularization of a Microvascularized Tissue-Engineered Skin Substitute. Tissue Engineering - Part A, 2010, 16, 3199-3206.	3.1	92
48	Human caspase 7 is positively controlled by SREBP-1 and SREBP-2. Biochemical Journal, 2009, 420, 473-483.	3.7	35