

VÃ-tor M. Gaspar

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,268
citations

159358

30
h-index

155451

55
g-index

69
all docs

69
docs citations

69
times ranked

4755
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-bioprinted cancer-on-a-chip: level-up organotypic in vitro models. Trends in Biotechnology, 2022, 40, 432-447.	4.9	36
2	Brewer's yeast polysaccharides – A review of their exquisite structural features and biomedical applications. Carbohydrate Polymers, 2022, 277, 118826.	5.1	23
3	Macrophage-targeted shikonin-loaded nanogels for modulation of inflammasome activation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102548.	1.7	6
4	Programmable Living Units for Emulating Pancreatic Tumor–Stroma Interplay. Advanced Healthcare Materials, 2022, 11, e2102574.	3.9	9
5	C9a inhibition by CM-272: Developing a novel anti-tumoral strategy for castration-resistant prostate cancer using 2D and 3D in vitro models. Biomedicine and Pharmacotherapy, 2022, 150, 113031.	2.5	9
6	Advancing Tissue Decellularized Hydrogels for Engineering Human Organoids. Advanced Functional Materials, 2022, 32, .	7.8	21
7	Advances in bioengineering pancreatic tumor-stroma physiometric Biomodels. Biomaterials, 2022, 287, 121653.	5.7	7
8	Stimuli–Responsive Nanocomposite Hydrogels for Biomedical Applications. Advanced Functional Materials, 2021, 31, 2005941.	7.8	234
9	Proteinaceous Hydrogels for Bioengineering Advanced 3D Tumor Models. Advanced Science, 2021, 8, 2003129.	5.6	41
10	Consistent Inclusion of Mesenchymal Stem Cells into In Vitro Tumor Models. Methods in Molecular Biology, 2021, 2269, 3-23.	0.4	0
11	Bioimaging of Mesenchymal Stem Cells Spatial Distribution and Interactions with 3D In Vitro Tumor Spheroids. Methods in Molecular Biology, 2021, 2269, 49-61.	0.4	0
12	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies. Small Methods, 2021, 5, e2001207.	4.6	15
13	Screening of dual chemo-photothermal cellular nanotherapies in organotypic breast cancer 3D spheroids. Journal of Controlled Release, 2021, 331, 85-102.	4.8	19
14	Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials. Advanced Functional Materials, 2021, 31, 2009619.	7.8	14
15	Oxygen releasing materials: Towards addressing the hypoxia-related issues in tissue engineering. Materials Science and Engineering C, 2021, 122, 111896.	3.8	46
16	GelMA/bioactive silica nanocomposite bioinks for stem cell osteogenic differentiation. Biofabrication, 2021, 13, 035012.	3.7	48
17	Double network laminarin-boronic/alginate dynamic bioink for 3D bioprinting cell-laden constructs. Biofabrication, 2021, 13, 035045.	3.7	33
18	Natural Origin Biomaterials for 4D Bioprinting Tissue–Like Constructs. Advanced Materials Technologies, 2021, 6, 2100168.	3.0	27

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19	Cell-Based Therapy: Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials (Adv. Funct. Mater. 29/2021). Advanced Functional Materials, 2021, 31, 2170211.	7.8	1
20	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. ACS Applied Materials & Interfaces, 2021, 13, 35469-35483.	4.0	10
21	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. Biomaterials, 2021, 275, 120983.	5.7	25
22	Engineering mammalian living materials towards clinically relevant therapeutics. EBioMedicine, 2021, 74, 103717.	2.7	8
23	Advanced Bottom-Up Engineering of Living Architectures. Advanced Materials, 2020, 32, e1903975.	11.1	127
24	Bioinspired biomaterials to develop cell-rich spherical microtissues for 3D in vitro tumor modeling. , 2020, , 43-65.		3
25	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. Molecules, 2020, 25, 3460.	1.7	7
26	Efficient Single-Dose Induction of Osteogenic Differentiation of Stem Cells Using Multi-Bioactive Hybrid Nanocarriers. Advanced Biology, 2020, 4, e2000123.	3.0	7
27	Gelatin Methacryloyl (GelMA) Nanocomposite Hydrogels Embedding Bioactive Naringin Liposomes. Polymers, 2020, 12, 2944.	2.0	23
28	Frontispiece: Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, .	1.7	0
29	Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, 15416-15437.	1.7	5
30	Repurposing Old Drugs into New Epigenetic Inhibitors: Promising Candidates for Cancer Treatment?. Pharmaceutics, 2020, 12, 410.	2.0	20
31	Decellularized Extracellular Matrix for Bioengineering Physiomimetic 3D in Vitro Tumor Models. Trends in Biotechnology, 2020, 38, 1397-1414.	4.9	84
32	Self-Assembled Bioactive Colloidal Gels as Injectable Multiparticle Shedding Platforms. ACS Applied Materials & Interfaces, 2020, 12, 31282-31291.	4.0	15
33	Hydrogel 3D in vitro tumor models for screening cell aggregation mediated drug response. Biomaterials Science, 2020, 8, 1855-1864.	2.6	70
34	Responsive laminarin-boronic acid self-healing hydrogels for biomedical applications. Polymer Journal, 2020, 52, 997-1006.	1.3	31
35	Freeform 3D printing using a continuous viscoelastic supporting matrix. Biofabrication, 2020, 12, 035017.	3.7	49
36	Mechanochemical Patternable ECM-Mimetic Hydrogels for Programmed Cell Orientation. Advanced Healthcare Materials, 2020, 9, e1901860.	3.9	29

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37	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. <i>Scientific Reports</i> , 2019, 9, 14906.	1.6	36
38	Temperature-responsive nanomagnetic logic gates for cellular hyperthermia. <i>Materials Horizons</i> , 2019, 6, 524-530.	6.4	9
39	In-air production of 3D co-culture tumor spheroid hydrogels for expedited drug screening. <i>Acta Biomaterialia</i> , 2019, 94, 392-409.	4.1	72
40	Stimuli-responsive nanocarriers for delivery of bone therapeutics – Barriers and progresses. <i>Journal of Controlled Release</i> , 2018, 273, 51-67.	4.8	84
41	The biological performance of purified supercoiled p53 plasmid DNA in different cancer cell lines. <i>Process Biochemistry</i> , 2018, 75, 240-249.	1.8	8
42	Bioinscriptive microparticles for self-assembly of mesenchymal stem Cell-3D tumor spheroids. <i>Biomaterials</i> , 2018, 185, 155-173.	5.7	58
43	Design of spherically structured 3D in vitro tumor models -Advances and prospects. <i>Acta Biomaterialia</i> , 2018, 75, 11-34.	4.1	155
44	Preparation of Well-Dispersed Chitosan/Alginate Hollow Multilayered Microcapsules for Enhanced Cellular Internalization. <i>Molecules</i> , 2018, 23, 625.	1.7	31
45	Bioinspired bone therapies using naringin: applications and advances. <i>Drug Discovery Today</i> , 2018, 23, 1293-1304.	3.2	49
46	Bioinscriptive Naringin-Loaded Micelles for Guiding Stem Cell Osteodifferentiation. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800890.	3.9	19
47	Highly selective capture of minicircle DNA biopharmaceuticals by a novel zinc-histidine peptide conjugate. <i>Separation and Purification Technology</i> , 2017, 174, 417-424.	3.9	4
48	Mesenchymal Stem Cells Relevance in Multicellular Bioengineered 3D In Vitro Tumor Models. <i>Biotechnology Journal</i> , 2017, 12, 1700079.	1.8	10
49	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. , 2016, , 163-207.		5
50	3D tumor spheroids: an overview on the tools and techniques used for their analysis. <i>Biotechnology Advances</i> , 2016, 34, 1427-1441.	6.0	579
51	Bioreducible poly(2-ethyl-2-oxazoline)-PLA-PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. <i>Journal of Controlled Release</i> , 2015, 213, 175-191.	4.8	75
52	Gas-generating TPGS-PLGA microspheres loaded with nanoparticles (NIMPS) for co-delivery of minicircle DNA and anti-tumoral drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 287-294.	2.5	39
53	Chitosan/arginine-chitosan polymer blends for assembly of nanofibrous membranes for wound regeneration. <i>Carbohydrate Polymers</i> , 2015, 130, 104-112.	5.1	131
54	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 353-379.	1.4	73

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55	Folate-Targeted Multifunctional Amino Acid-Chitosan Nanoparticles for Improved Cancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 562-577.	1.7	48
56	Synthesis and characterization of micelles as carriers of non-steroidal anti-inflammatory drugs (NSAID) for application in breast cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 375-383.	2.5	29
57	Co-delivery of Sildenafil (Viagra®) and Crizotinib for Synergistic and Improved Anti-tumoral Therapy. <i>Pharmaceutical Research</i> , 2014, 31, 2516-2528.	1.7	33
58	Improved Minicircle DNA Biosynthesis for Gene Therapy Applications. <i>Human Gene Therapy Methods</i> , 2014, 25, 93-105.	2.1	25
59	Manufacture of β -TCP/alginate scaffolds through a Fab@home model for application in bone tissue engineering. <i>Biofabrication</i> , 2014, 6, 025001.	3.7	54
60	Optimization of liquid overlay technique to formulate heterogenic 3D co-cultures models. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1672-1685.	1.7	113
61	Combinatorial delivery of Crizotinib-Palbosiclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 718-729.	2.0	53
62	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 1012-1025.	2.0	61
63	Poly(2-ethyl-2-oxazoline)-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. <i>Journal of Controlled Release</i> , 2014, 189, 90-104.	4.8	75
64	Bioactive polymeric-ceramic hybrid 3D scaffold for application in bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2013, 33, 4460-4469.	3.8	64
65	Microencapsulated chitosan-dextran sulfate nanoparticles for controlled delivery of bioactive molecules and cells in bone regeneration. <i>Polymer</i> , 2013, 54, 5-15.	1.8	52
66	Sensitive Detection of Peptide-Minicircle DNA Interactions by Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2013, 85, 2304-2311.	3.2	11
67	Evaluation of Nanoparticle Uptake in Co-culture Cancer Models. <i>PLoS ONE</i> , 2013, 8, e70072.	1.1	48
68	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011, 156, 212-222.	4.8	63