

Vtor M. Gaspar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67 papers	1,974 citations	26 h-index	43 g-index
69 ext. papers	2,589 ext. citations	8.9 avg, IF	5.65 L-index

#	Paper	IF	Citations
67	Brewer's yeast polysaccharides - A review of their exquisite structural features and biomedical applications. <i>Carbohydrate Polymers</i> , 2022 , 277, 118826	10.3	2
66	Macrophage-Targeted Shikonin-Loaded Nanogels for Modulation of Inflammasome Activation.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022 , 102548	6	2
65	Programmable Living Units for Emulating Pancreatic Tumor-Stroma Interplay.. <i>Advanced Healthcare Materials</i> , 2022 , e2102574	10.1	2
64	G9a inhibition by CM-272: Developing a novel anti-tumoral strategy for castration-resistant prostate cancer using 2D and 3D in vitro models.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 113031	7.5	1
63	Multifunctional Granular Hydrogels for Tissue-Specific Repair 2022 , 295-321		
62	Engineering mammalian living materials towards clinically relevant therapeutics. <i>EBioMedicine</i> , 2021 , 74, 103717	8.8	1
61	Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials. <i>Advanced Functional Materials</i> , 2021 , 31, 2009619	15.6	4
60	Oxygen releasing materials: Towards addressing the hypoxia-related issues in tissue engineering. <i>Materials Science and Engineering C</i> , 2021 , 122, 111896	8.3	15
59	GelMA/bioactive silica nanocomposite bioinks for stem cell osteogenic differentiation. <i>Biofabrication</i> , 2021 ,	10.5	16
58	Double network laminarin-boronic/alginate dynamic bioink for 3D bioprinting cell-laden constructs. <i>Biofabrication</i> , 2021 , 13,	10.5	7
57	Natural Origin Biomaterials for 4D Bioprinting Tissue-Like Constructs. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100168	6.8	4
56	Stimuli-Responsive Nanocomposite Hydrogels for Biomedical Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2005941	15.6	78
55	Proteinaceous Hydrogels for Bioengineering Advanced 3D Tumor Models. <i>Advanced Science</i> , 2021 , 8, 2003129	13.6	19
54	Consistent Inclusion of Mesenchymal Stem Cells into In Vitro Tumor Models. <i>Methods in Molecular Biology</i> , 2021 , 2269, 3-23	1.4	
53	Bioimaging of Mesenchymal Stem Cells Spatial Distribution and Interactions with 3D In Vitro Tumor Spheroids. <i>Methods in Molecular Biology</i> , 2021 , 2269, 49-61	1.4	
52	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies.. <i>Small Methods</i> , 2021 , 5, e2001207	12.8	2
51	Screening of dual chemo-photothermal cellular nanotherapies in organotypic breast cancer 3D spheroids. <i>Journal of Controlled Release</i> , 2021 , 331, 85-102	11.7	7

50	Cell-Based Therapy: Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials (Adv. Funct. Mater. 29/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170211	15.6	1
49	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35469-35483	9.5	2
48	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. <i>Biomaterials</i> , 2021 , 275, 120983	15.6	7
47	3D-bioprinted cancer-on-a-chip: level-up organotypic in vitro models. <i>Trends in Biotechnology</i> , 2021 ,	15.1	8
46	Gelatin Methacryloyl (GelMA) Nanocomposite Hydrogels Embedding Bioactive Naringin Liposomes. <i>Polymers</i> , 2020 , 12,	4.5	4
45	Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2020 , 26, 15416-15437	4.8	3
44	Repurposing Old Drugs into New Epigenetic Inhibitors: Promising Candidates for Cancer Treatment?. <i>Pharmaceutics</i> , 2020 , 12,	6.4	11
43	Decellularized Extracellular Matrix for Bioengineering Physiomimetic 3D in Vitro Tumor Models. <i>Trends in Biotechnology</i> , 2020 , 38, 1397-1414	15.1	33
42	Self-Assembled Bioactive Colloidal Gels as Injectable Multiparticle Shedding Platforms. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31282-31291	9.5	4
41	Hydrogel 3D in vitro tumor models for screening cell aggregation mediated drug response. <i>Biomaterials Science</i> , 2020 , 8, 1855-1864	7.4	43
40	Responsive laminarin-boronic acid self-healing hydrogels for biomedical applications. <i>Polymer Journal</i> , 2020 , 52, 997-1006	2.7	18
39	Freeform 3D printing using a continuous viscoelastic supporting matrix. <i>Biofabrication</i> , 2020 , 12, 035017	10.5	20
38	Mechanochemical Patternable ECM-Mimetic Hydrogels for Programmed Cell Orientation. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901860	10.1	19
37	Advanced Bottom-Up Engineering of Living Architectures. <i>Advanced Materials</i> , 2020 , 32, e1903975	24	65
36	Bioinspired biomaterials to develop cell-rich spherical microtissues for 3D in vitro tumor modeling 2020 , 43-65		1
35	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. <i>Molecules</i> , 2020 , 25,	4.8	2
34	Efficient Single-Dose Induction of Osteogenic Differentiation of Stem Cells Using Multi-Bioactive Hybrid Nanocarriers. <i>Advanced Biology</i> , 2020 , 4, e2000123	3.5	6
33	Temperature-responsive nanomagnetic logic gates for cellular hyperthermia. <i>Materials Horizons</i> , 2019 , 6, 524-530	14.4	5

32	In-air production of 3D co-culture tumor spheroid hydrogels for expedited drug screening. <i>Acta Biomaterialia</i> , 2019 , 94, 392-409	10.8	48
31	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. <i>Scientific Reports</i> , 2019 , 9, 14906	4.9	18
30	Stimuli-responsive nanocarriers for delivery of bone therapeutics - Barriers and progresses. <i>Journal of Controlled Release</i> , 2018 , 273, 51-67	11.7	52
29	Preparation of Well-Dispersed Chitosan/Alginate Hollow Multilayered Microcapsules for Enhanced Cellular Internalization. <i>Molecules</i> , 2018 , 23,	4.8	21
28	Bioinspired bone therapies using naringin: applications and advances. <i>Drug Discovery Today</i> , 2018 , 23, 1293-1304	8.8	30
27	Bioinstructive Naringin-Loaded Micelles for Guiding Stem Cell Osteodifferentiation. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800890	10.1	12
26	The biological performance of purified supercoiled p53 plasmid DNA in different cancer cell lines. <i>Process Biochemistry</i> , 2018 , 75, 240-249	4.8	8
25	Bioinstructive microparticles for self-assembly of mesenchymal stem Cell-3D tumor spheroids. <i>Biomaterials</i> , 2018 , 185, 155-173	15.6	41
24	Design of spherically structured 3D in vitro tumor models -Advances and prospects. <i>Acta Biomaterialia</i> , 2018 , 75, 11-34	10.8	94
23	Highly selective capture of minicircle DNA biopharmaceuticals by a novel zinc-histidine peptide conjugate. <i>Separation and Purification Technology</i> , 2017 , 174, 417-424	8.3	4
22	Mesenchymal Stem Cells Relevance in Multicellular Bioengineered 3D In Vitro Tumor Models. <i>Biotechnology Journal</i> , 2017 , 12, 1700079	5.6	9
21	3D tumor spheroids: an overview on the tools and techniques used for their analysis. <i>Biotechnology Advances</i> , 2016 , 34, 1427-1441	17.8	329
20	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells 2016 , 163-207		4
19	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	11.7	68
18	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, 287-94	6	33
17	Chitosan/arginine-chitosan polymer blends for assembly of nanofibrous membranes for wound regeneration. <i>Carbohydrate Polymers</i> , 2015 , 130, 104-12	10.3	101
16	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015 , 15, 353-79	5.4	56
15	Folate-targeted multifunctional amino acid-chitosan nanoparticles for improved cancer therapy. <i>Pharmaceutical Research</i> , 2015 , 32, 562-77	4.5	40

14	Co-delivery of Sildenafil (Viagra®) and Crizotinib for synergistic and improved anti-tumoral therapy. <i>Pharmaceutical Research</i> , 2014 , 31, 2516-28	4.5	28
13	Improved minicircle DNA biosynthesis for gene therapy applications. <i>Human Gene Therapy Methods</i> , 2014 , 25, 93-105	4.9	23
12	Manufacture of TCP/alginate scaffolds through a Fab@home model for application in bone tissue engineering. <i>Biofabrication</i> , 2014 , 6, 025001	10.5	49
11	Optimization of liquid overlay technique to formulate heterogenic 3D co-cultures models. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1672-85	4.9	90
10	Combinatorial delivery of Crizotinib-Palbociclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 718-29	5.7	45
9	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 1012-25	5.7	56
8	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	11.7	69
7	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, 375-83 ⁶		27
6	Bioactive polymeric-ceramic hybrid 3D scaffold for application in bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2013 , 33, 4460-9	8.3	53
5	Microencapsulated chitosan-dextran sulfate nanoparticles for controled delivery of bioactive molecules and cells in bone regeneration. <i>Polymer</i> , 2013 , 54, 5-15	3.9	44
4	Sensitive detection of peptide-minicircle DNA interactions by surface plasmon resonance. <i>Analytical Chemistry</i> , 2013 , 85, 2304-11	7.8	10
3	Evaluation of nanoparticle uptake in co-culture cancer models. <i>PLoS ONE</i> , 2013 , 8, e70072	3.7	39
2	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011 , 156, 212-22	11.7	59
1	Advancing Tissue Decellularized Hydrogels for Engineering Human Organoids. <i>Advanced Functional Materials</i> , 2202825	15.6	2