Maria Jos Jose Oliveira

List of Publications by Citations

89 papers	3,412 citations	33 h-index	57 g-index
100 ext. papers	4,218 ext. citations	6.8 avg, IF	5.19 L-index

#	Paper	IF	Citations
89	Interferon-Gamma at the Crossroads of Tumor Immune Surveillance or Evasion. *Frontiers in Immunology*, **2018**, 9, 847	8.4	411
88	Characterization of a recurrent germ line mutation of the E-cadherin gene: implications for genetic testing and clinical management. *Clinical Cancer Research*, **2005**, 11, 5401-9	12.9	168
87	Molecularly designed alginate hydrogels susceptible to local proteolysis as three-dimensional cellular microenvironments. *Acta Biomaterialia*, **2011**, 7, 1674-82	10.8	124
86	Biological significance of cancer-associated sialyl-Tn antigen: modulation of malignant phenotype in gastric carcinoma cells. *Cancer Letters*, **2007**, 249, 157-70	9.9	113
85	Epithelial E- and P-cadherins: role and clinical significance in cancer. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2012**, 1826, 297-311	11.2	107
84	Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities. *Scientific Reports*, **2016**, 6, 18765	4.9	107
83	Chitosan drives anti-inflammatory macrophage polarisation and pro-inflammatory dendritic cell stimulation. *European Cells and Materials*, **2012**, 24, 136-52; discussion 152-3	4.3	104
82	The Two Faces of Tumor-Associated Macrophages and Their Clinical Significance in Colorectal Cancer. *Frontiers in Immunology*, **2019**, 10, 1875	8.4	93
81	Human periprostatic adipose tissue promotes prostate cancer aggressiveness in vitro. *Journal of Experimental and Clinical Cancer Research*, **2012**, 31, 32	12.8	93
80	Helicobacter pylori induces beta3GnT5 in human gastric cell lines, modulating expression of the SabA ligand sialyl-Lewis x. *Journal of Clinical Investigation*, **2008**, 118, 2325-36	15.9	90
79	CagA associates with c-Met, E-cadherin, and p120-catenin in a multiproteic complex that suppresses Helicobacter pylori-induced cell-invasive phenotype. *Journal of Infectious Diseases*, **2009**, 200, 745-55	7	84
78	KRAS Oncogenic Signaling Extends beyond Cancer Cells to Orchestrate the Microenvironment. *Cancer Research*, **2018**, 78, 7-14	10.1	81
77	Macrophages stimulate gastric and colorectal cancer invasion through EGFR Y(1086), c-Src, Erk1/2 and Akt phosphorylation and smallGTPase activity. *Oncogene*, **2014**, 33, 2123-33	9.2	77
76	Helicobacter pylori induces gastric epithelial cell invasion in a c-Met and type IV secretion system-dependent manner. *Journal of Biological Chemistry*, **2006**, 281, 34888-96	5.4	77
75	Docosahexaenoic acid inhibits Helicobacter pylori growth in vitro and mice gastric mucosa colonization. *PLoS ONE*, **2012**, 7, e35072	3.7	73
74	EGFR regulates RhoA-GTP dependent cell motility in E-cadherin mutant cells. *Human Molecular Genetics*, **2007**, 16, 1639-47	5.6	72
73	Expression of ST3GAL4 leads to SLe(x) expression and induces c-Met activation and an invasive phenotype in gastric carcinoma cells. *PLoS ONE*, **2013**, 8, e66737	3.7	71

72	Decellularized human colorectal cancer matrices polarize macrophages towards an anti-inflammatory phenotype promoting cancer cell invasion via CCL18. *Biomaterials*, **2017**, 124, 211-224	15.6	70
71	E-cadherin germline missense mutations and cell phenotype: evidence for the independence of cell invasion on the motile capabilities of the cells. *Human Molecular Genetics*, **2003**, 12, 3007-16	5.6	68
70	Overexpression of tumour-associated carbohydrate antigen sialyl-Tn in advanced bladder tumours. *Molecular Oncology*, **2013**, 7, 719-31	7.9	64
69	E-cadherin dysfunction in gastric cancer--cellular consequences, clinical applications and open questions. *FEBS Letters*, **2012**, 586, 2981-9	3.8	63
68	The predominance of M2-polarized macrophages in the stroma of low-hypoxic bladder tumors is associated with BCG immunotherapy failure. *Urologic Oncology: Seminars and Original Investigations* , **2014**, 32, 449-57	2.8	54
67	Cancer invasion and metastasis: interacting ecosystems. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2009**, 454, 599-622	5.1	54
66	Tumor cell-educated periprostatic adipose tissue acquires an aggressive cancer-promoting secretory profile. *Cellular Physiology and Biochemistry*, **2012**, 29, 233-40	3.9	50
65	Schistosoma haematobium total antigen induces increased proliferation, migration and invasion, and decreases apoptosis of normal epithelial cells. *International Journal for Parasitology*, **2009**, 39, 1083-91	4.3	49
64	Loss of functional E-cadherin renders cells more resistant to the apoptotic agent taxol in vitro. *Experimental Cell Research*, **2005**, 310, 99-104	4.2	46
63	Hypoxia enhances the malignant nature of bladder cancer cells and concomitantly antagonizes protein O-glycosylation extension. *Oncotarget*, **2016**, 7, 63138-63157	3.3	46
62	Three-dimensional scaffolds of fetal decellularized hearts exhibit enhanced potential to support cardiac cells in comparison to the adult. *Biomaterials*, **2016**, 104, 52-64	15.6	40
61	Ibuprofen-loaded poly(trimethylene carbonate-co-ε-caprolactone) electrospun fibres for nerve regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, E154-66	4.4	38
60	Loss of WNK2 expression by promoter gene methylation occurs in adult gliomas and triggers Rac1-mediated tumour cell invasiveness. *Human Molecular Genetics*, **2013**, 22, 84-95	5.6	38
59	An interferon-γ delivery system based on chitosan/poly(γ-glutamic acid) polyelectrolyte complexes modulates macrophage-derived stimulation of cancer cell invasion in vitro. *Acta Biomaterialia*, **2015** , 23, 157-171	10.8	34
58	Proteolysis of enteric cell villin by Entamoeba histolytica cysteine proteinases. *Journal of Biological Chemistry*, **2003**, 278, 22650-6	5.4	34
57	Inhibition of fucosylation in human invasive ductal carcinoma reduces E-selectin ligand expression, cell proliferation, and ERK1/2 and p38 MAPK activation. *Molecular Oncology*, **2018**, 12, 579-593	7.9	33
56	Helicobacter pylori Activates Matrix Metalloproteinase 10 in Gastric Epithelial Cells via EGFR and ERK-mediated Pathways. *Journal of Infectious Diseases*, **2016**, 213, 1767-76	7	32
55	C/EBPbeta is over-expressed in gastric carcinogenesis and is associated with COX-2 expression. *Journal of Pathology*, **2006**, 210, 398-404	9.4	31

54	Pro-inflammatory chitosan/poly(glutamic acid) nanoparticles modulate human antigen-presenting cells phenotype and revert their pro-invasive capacity. *Acta Biomaterialia*, **2017**, 63, 96-109	10.8	30
53	Proteinase inhibitors TPCK and TLCK prevent Entamoeba histolytica induced disturbance of tight junctions and microvilli in enteric cell layers in vitro. *International Journal for Parasitology*, **2004**, 34, 785-94	4.3	27
52	Chitosan/ PGA nanoparticles-based immunotherapy as adjuvant to radiotherapy in breast cancer. *Biomaterials*, **2020**, 257, 120218	15.6	27
51	Macrophage response to chitosan/poly-(glutamic acid) nanoparticles carrying an anti-inflammatory drug. *Journal of Materials Science: Materials in Medicine*, **2015**, 26, 167	4.5	25
50	Genetic screening for familial gastric cancer. *Hereditary Cancer in Clinical Practice*, **2004**, 2, 51-64	2.3	25
49	Renin-Angiotensin System in Lung Tumor and Microenvironment Interactions. *Cancers*, **2020**, 12,	6.6	22
48	Molecular mechanisms of invasion by cancer cells, leukocytes and microorganisms. *Microbes and Infection*, **2000**, 2, 923-31	9.3	22
47	Three-dimensional culture of single embryonic stem-derived neural/stem progenitor cells in fibrin hydrogels: neuronal network formation and matrix remodelling. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 3494-3507	4.4	21
46	Chitosan/poly(glutamic acid) nanoparticles incorporating IFN- for immune response modulation in the context of colorectal cancer. *Biomaterials Science*, **2019**, 7, 3386-3403	7.4	21
45	Resveratrol as a natural anti-tumor necrosis factor- molecule: implications to dendritic cells and their crosstalk with mesenchymal stromal cells. *PLoS ONE*, **2014**, 9, e91406	3.7	21
44	Mixed lineage kinase 3 gene mutations in mismatch repair deficient gastrointestinal tumours. *Human Molecular Genetics*, **2010**, 19, 697-706	5.6	21
43	Matrix metalloproteinases in a sea urchin ligament with adaptable mechanical properties. *PLoS ONE*, **2012**, 7, e49016	3.7	21
42	Chitinase 3-like-1 and fibronectin in the cargo of extracellular vesicles shed by human macrophages influence pancreatic cancer cellular response to gemcitabine. *Cancer Letters*, **2021**, 501, 210-223	9.9	20
41	Urinary Biomarkers in Bladder Cancer: Where Do We Stand and Potential Role of Extracellular Vesicles. *Cancers*, **2020**, 12,	6.6	19
40	Colorectal cancer triple co-culture spheroid model to assess the biocompatibility and anticancer properties of polymeric nanoparticles. *Journal of Controlled Release*, **2020**, 323, 398-411	11.7	19
39	Neonatal human dermal fibroblasts immobilized in RGD-alginate induce angiogenesis. *Cell Transplantation*, **2014**, 23, 945-57	4	18
38	Silencing of the tumor suppressor gene WNK2 is associated with upregulation of MMP2 and JNK in gliomas. *Oncotarget*, **2015**, 6, 1422-34	3.3	17
37	Matrix metalloproteases as maestros for the dual role of LPS- and IL-10-stimulated macrophages in cancer cell behaviour. *BMC Cancer*, **2015**, 15, 456	4.8	15

36	Nanotechnology-based siRNA delivery strategies for metastatic colorectal cancer therapy. *International Journal of Pharmaceutics*, **2019**, 568, 118530	6.5	15
35	Beta-casein-derived peptides, produced by bacteria, stimulate cancer cell invasion and motility. *EMBO Journal*, **2003**, 22, 6161-73	13	15
34	The Yeast Saccharomyces cerevisiae as a Model for Understanding RAS Proteins and their Role in Human Tumorigenesis. *Cells*, **2018**, 7,	7.9	14
33	Correlations between the biochemistry and mechanical states of a sea-urchin ligament: a mutable collagenous structure. *Biointerphases*, **2012**, 7, 38	1.8	14
32	Entamoeba histolytica trophozoites transfer lipophosphopeptidoglycans to enteric cell layers. *International Journal for Parasitology*, **2004**, 34, 549-56	4.3	14
31	Characterization of human NLZ1/ZNF703 identifies conserved domains essential for proper subcellular localization and transcriptional repression. *Journal of Cellular Biochemistry*, **2013**, 114, 120-33	4.7	12
30	Nerve growth factor mediates its pro-invasive effect in parallel with the release of a soluble E-cadherin fragment from breast cancer MCF-7/AZ cells. *Journal of Dairy Research*, **2005**, 72 Spec No, 20-6	1.6	12
29	Intricate Macrophage-Colorectal Cancer Cell Communication in Response to Radiation. *PLoS ONE*, **2016**, 11, e0160891	3.7	12
28	Nucleolin-Sle A Glycoforms as E-Selectin Ligands and Potentially Targetable Biomarkers at the Cell Surface of Gastric Cancer Cells. *Cancers*, **2020**, 12,	6.6	12
27	Bioactivity of immobilized EGF on self-assembled monolayers: optimization of the immobilization process. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 576-85	5.4	9
26	Disturbance of tight junctions by Entamoeba histolytica: resistant vertebrate cell types and incompetent trophozoites. *Archives of Medical Research*, **2000**, 31, S218-20	6.6	9
25	Anti-influenza neuraminidase inhibitor oseltamivir phosphate induces canine mammary cancer cell aggressiveness. *PLoS ONE*, **2015**, 10, e0121590	3.7	8
24	Dissecting the signaling pathways associated with the oncogenic activity of MLK3 P252H mutation. *BMC Cancer*, **2014**, 14, 182	4.8	8
23	Immunomodulatory potential of chitosan-based materials for cancer therapy: a systematic review of , and clinical studies. *Biomaterials Science*, **2021**, 9, 3209-3227	7.4	7
22	Impact of CEA-targeting Nanoparticles for Drug Delivery in Colorectal Cancer. *Journal of Pharmacology and Experimental Therapeutics*, **2019**, 370, 657-670	4.7	6
21	Glycoproteomics identifies HOMER3 as a potentially targetable biomarker triggered by hypoxia and glucose deprivation in bladder cancer. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 191	12.8	6
20	Listeria monocytogenes produces a pro-invasive factor that signals via ErbB2/ErbB3 heterodimers. *Journal of Cancer Research and Clinical Oncology*, **2005**, 131, 49-59	4.9	5
19	Cancer cell detection and invasion depth estimation in brightfield images **2009**,		5

18	The immunosuppressive and pro-tumor functions of CCL18 at the tumor microenvironment. *Cytokine and Growth Factor Reviews*, **2021**, 60, 107-119	17.9	5
17	Rotary orbital suspension culture of embryonic stem cell-derived neural stem/progenitor cells: impact of hydrodynamic culture on aggregate yield, morphology and cell phenotype. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2227-2240	4.4	4
16	Colon cancer cells: pro-invasive signalling. *International Journal of Biochemistry and Cell Biology*, **2006**, 38, 1231-6	5.6	4
15	MISpheroID: a knowledgebase and transparency tool for minimum information in spheroid identity. *Nature Methods*, **2021**, 18, 1294-1303	21.6	4
14	Cancer Cell Detection and Morphology Analysis Based on Local Interest Point Detectors. *Lecture Notes in Computer Science*, **2013**, 624-631	0.9	4
13	Advances on colorectal cancer 3D models: The needed translational technology for nanomedicine screening. *Advanced Drug Delivery Reviews*, **2021**, 175, 113824	18.5	4
12	Do Entamoeba histolytica trophozoites signal via enteric microvilli?. *Archives of Medical Research*, **2000**, 31, S124-5	6.6	3
11	Cancer Cell Detection and Tracking Based on Local Interest Point Detectors. *Lecture Notes in Computer Science*, **2013**, 434-441	0.9	3
10	Hypoxia and Macrophages Act in Concert Towards a Beneficial Outcome in Colon Cancer. *Cancers*, **2020**, 12,	6.6	3
9	Metabolomics, Transcriptomics and Functional Glycomics Reveals Bladder Cancer Cells Plasticity and Enhanced Aggressiveness Facing Hypoxia and Glucose Deprivation		3
8	Comparable Decellularization of Fetal and Adult Cardiac Tissue Explants as 3D-like Platforms for In Vitro Studies. *Journal of Visualized Experiments*, **2019**,	1.6	2
7	Decellularized Colorectal Cancer Matrices as Bioactive Scaffolds for Studying Tumor-Stroma Interactions.. *Cancers*, **2022**, 14,	6.6	2
6	Mechanisms underlying the association between obesity and Hodgkin lymphoma. *Tumor Biology*, **2016**, 37, 13005-13016	2.9	2
5	The Association Between Inflammation and Colorectal Cancer **2013**, 67-105		1
4	Skeletal Muscle-Adipose Tissue-Tumor Axis: Molecular Mechanisms Linking Exercise Training in Prostate Cancer. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
3	Immunomodulatory nanomedicine for colorectal cancer treatment: a landscape to be explored?. *Biomaterials Science*, **2021**, 9, 3228-3243	7.4	1
2	Mechanotransduction: Exploring New Therapeutic Avenues in Central Nervous System Pathology.. *Frontiers in Neuroscience*, **2022**, 16, 861613	5.1	1
1	Harnessing chitosan and poly-(Eglutamic acid)-based biomaterials towards cancer immunotherapy. *Materials Today Advances*, **2022**, 15, 100252	7.4	0