

# Maria Prat

## List of Publications by Citations

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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.

76  
papers

3,409  
citations

29  
h-index

57  
g-index

80  
ext. papers

3,685  
ext. citations

6.1  
avg, IF

4.42  
L-index

#	Paper	IF	Citations
76	Ghrelin and des-acyl ghrelin inhibit cell death in cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 1029-37	7.3	600
75	Hepatocyte growth factor effects on mesenchymal stem cells: proliferation, migration, and differentiation. <i>Stem Cells</i> , <b>2006</b> , 24, 23-33	5.8	322
74	The receptor encoded by the human c-MET oncogene is expressed in hepatocytes, epithelial cells and solid tumors. <i>International Journal of Cancer</i> , <b>1991</b> , 49, 323-8	7.5	269
73	Activated ras and ret oncogenes induce over-expression of c-met (hepatocyte growth factor receptor) in human thyroid epithelial cells. <i>Oncogene</i> , <b>1997</b> , 14, 2417-23	9.2	130
72	Papillary carcinoma of the thyroid: hepatocyte growth factor (HGF) stimulates tumor cells to release chemokines active in recruiting dendritic cells. <i>American Journal of Pathology</i> , <b>2000</b> , 156, 831-7	5.8	116
71	Overexpression of the met/HGF receptor in renal cell carcinomas. <i>International Journal of Cancer</i> , <b>1996</b> , 69, 212-7	7.5	112
70	Crystallization of bioinspired citrate-functionalized nanoapatite with tailored carbonate content. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3491-9	10.8	105
69	Ductal cancers of the pancreas frequently express markers of gastrointestinal epithelial cells. <i>Gastroenterology</i> , <b>1990</b> , 98, 1655-65	13.3	95
68	In vivo activation of met tyrosine kinase by heterodimeric hepatocyte growth factor molecule promotes angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1995</b> , 15, 1857-65	9.4	78
67	pH-responsive delivery of doxorubicin from citrate-apatite nanocrystals with tailored carbonate content. <i>Langmuir</i> , <b>2013</b> , 29, 8213-21	4	73
66	Expression of Met protein in thyroid tumours. <i>Journal of Pathology</i> , <b>1996</b> , 180, 266-70	9.4	72
65	Cell surface receptor targeted biomimetic apatite nanocrystals for cancer therapy. <i>Small</i> , <b>2013</b> , 9, 3834-44		62
64	Expression of Hepatocyte Growth Factor (HGF) and its Receptor (MET) in Medullary Carcinoma of the Thyroid. <i>Endocrine Pathology</i> , <b>2000</b> , 11, 19-30	4.2	60
63	Adsorption and spectroscopic characterization of lactoferrin on hydroxyapatite nanocrystals. <i>Dalton Transactions</i> , <b>2011</b> , 40, 820-7	4.3	47
62	Conjugation of hydroxyapatite nanocrystals with human immunoglobulin G for nanomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 90, 1-7	6	43
61	Human cardiac progenitor cell grafts as unrestricted source of supernumerary cardiac cells in healthy murine hearts. <i>Stem Cells</i> , <b>2011</b> , 29, 2051-61	5.8	42
60	Met protein and hepatocyte growth factor (HGF) in papillary carcinoma of the thyroid: evidence for a pathogenetic role in tumorigenesis. <i>Journal of Pathology</i> , <b>2001</b> , 194, 4-8	9.4	41

59	Amino Acidic Control of Calcium Phosphate Precipitation by Using the Vapor Diffusion Method in Microdroplets. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4802-4809	3.5	39
58	A Novel Platform for Immune Tolerance Induction in Hemophilia A Mice. <i>Molecular Therapy</i> , <b>2017</b> , 25, 1815-1830	11.7	38
57	Monophasic and biphasic electrical stimulation induces a precardiac differentiation in progenitor cells isolated from human heart. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 888-98	4.4	37
56	Pharmacological postconditioning protects against hepatic ischemia/reperfusion injury. <i>Liver Transplantation</i> , <b>2011</b> , 17, 474-82	4.5	37
55	Conformational modifications of serum albumins adsorbed on different kinds of biomimetic hydroxyapatite nanocrystals. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 274-84	6	37
54	Electrostatic Spray Deposition of Biomimetic Nanocrystalline Apatite Coatings onto Titanium. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, B13-B20	3.5	35
53	Expression of Met protein and urokinase-type plasminogen activator receptor (uPA-R) in papillary carcinoma of the thyroid. <i>Journal of Pathology</i> , <b>1998</b> , 186, 287-91	9.4	35
52	Patient-Specific iPSC-Derived Endothelial Cells Provide Long-Term Phenotypic Correction of Hemophilia A. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 1391-1406	8	33
51	Over-expression of hepatocyte growth factor in human Kaposid sarcoma. <i>International Journal of Cancer</i> , <b>1996</b> , 65, 168-72	7.5	32
50	Overexpression of c-met protooncogene product and raised Ki67 index in hepatocellular carcinomas with respect to benign liver conditions. <i>Hepatology</i> , <b>1995</b> , 21, 1543-1546	11.2	31
49	Cooperation of biological and mechanical signals in cardiac progenitor cell differentiation. <i>Advanced Materials</i> , <b>2011</b> , 23, 514-8	24	30
48	Extrahepatic sources of factor VIII potentially contribute to the coagulation cascade correcting the bleeding phenotype of mice with hemophilia A. <i>Haematologica</i> , <b>2015</b> , 100, 881-92	6.6	29
47	Papillary carcinoma of the thyroid: evidence for a role for hepatocyte growth factor (HGF) in promoting tumour angiogenesis. <i>Journal of Pathology</i> , <b>2003</b> , 199, 243-50	9.4	29
46	Cell Penetrating Peptide Adsorption on Magnetite and Silica Surfaces: A Computational Investigation. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 8239-46	3.4	28
45	Deletion of the ectodomain unleashes the transforming, invasive, and tumorigenic potential of the MET oncogene. <i>Cancer Science</i> , <b>2009</b> , 100, 633-8	6.9	28
44	pH-Dependent Adsorption Release of Doxorubicin on MamC-Biomimetic Magnetite Nanoparticles. <i>Langmuir</i> , <b>2018</b> , 34, 13713-13724	4	28
43	Hepatocyte growth factor (HGF) stimulates tumour invasiveness in papillary carcinoma of the thyroid. <i>Journal of Pathology</i> , <b>1999</b> , 189, 570-5	9.4	27
42	Bioinspired Citrate-Apatite Nanocrystals Doped with Divalent Transition Metal Ions. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 145-153	3.5	26

41	Feline STK gene expression in mammary carcinomas. <i>Oncogene</i> , <b>2002</b> , 21, 1785-90	9.2	26
40	Luminescent biomimetic citrate-coated europium-doped carbonated apatite nanoparticles for use in bioimaging: physico-chemistry and cytocompatibility.. <i>RSC Advances</i> , <b>2018</b> , 8, 2385-2397	3.7	25
39	Agonist monoclonal antibodies against HGF receptor protect cardiac muscle cells from apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 298, H1155-65	5.2	25
38	Preparation of injectable auto-forming alginate gel containing simvastatin with amorphous calcium phosphate as a controlled release medium and their therapeutic effect in osteoporosis model rat. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 1291-7	4.5	23
37	Use of gonadotropin-releasing hormone antagonists to overcome the drawbacks of intrauterine insemination on weekends. <i>Fertility and Sterility</i> , <b>2006</b> , 85, 573-7	4.8	23
36	Molecular characterization of HHV-8 positive primary effusion lymphoma reveals pathogenetic and histogenetic features of the disease. <i>Journal of Clinical Virology</i> , <b>2000</b> , 16, 215-24	14.5	23
35	Kupffer Cell Transplantation in Mice for Elucidating Monocyte/Macrophage Biology and for Potential in Cell or Gene Therapy. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 539-51	5.8	22
34	Tumor targeting by lentiviral vectors combined with magnetic nanoparticles in mice. <i>Acta Biomaterialia</i> , <b>2017</b> , 59, 303-316	10.8	22
33	Different expression and function of the endocannabinoid system in human epicardial adipose tissue in relation to heart disease. <i>Canadian Journal of Cardiology</i> , <b>2013</b> , 29, 499-509	3.8	22
32	Phenotypic alterations in Kaposi's sarcoma cells by antisense reduction of perlecan. <i>Pathology and Oncology Research</i> , <b>2000</b> , 6, 10-7	2.6	22
31	Co-expression of plexin-B1 and Met in human breast and ovary tumours enhances the risk of progression. <i>Cellular Oncology</i> , <b>2009</b> , 31, 423-36		21
30	Stem cell activation sustains hereditary hypertrophy in hamster cardiomyopathy. <i>Journal of Pathology</i> , <b>2005</b> , 205, 397-407	9.4	20
29	Diacylglycerol kinases are essential for hepatocyte growth factor-dependent proliferation and motility of Kaposi's sarcoma cells. <i>Cancer Science</i> , <b>2011</b> , 102, 1329-36	6.9	19
28	Monoclonal antibody-targeted fluorescein-5-isothiocyanate-labeled biomimetic nanoapatites: a promising fluorescent probe for imaging applications. <i>Langmuir</i> , <b>2015</b> , 31, 1766-75	4	18
27	Isolation and characterization of a spontaneously immortalized multipotent mesenchymal cell line derived from mouse subcutaneous adipose tissue. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 2873-84	4.4	18
26	The Cooperative Effect of Size and Crystallinity Degree on the Resorption of Biomimetic Hydroxyapatite for Soft Tissue Augmentation. <i>International Journal of Artificial Organs</i> , <b>2010</b> , 33, 765-774	1.9	18
25	Human Cardiac Progenitor Spheroids Exhibit Enhanced Engraftment Potential. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137999	3.7	16
24	Preparation of core-shell poly(L-lactic) acid-nanocrystalline apatite hollow microspheres for bone repairing applications. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 2659-69	4.5	16

23	Comparison of blocked and non-blocked ricin-antibody immunotoxins against human gastric carcinoma and colorectal adenocarcinoma cell lines. <i>Cancer Immunology, Immunotherapy</i> , <b>1988</b> , 27, 233-404	7.4	16
22	Expression of functional tyrosine kinases on immortalized Kaposi's sarcoma cells. <i>Journal of Cellular Physiology</i> , <b>2000</b> , 184, 246-54	7	15
21	Tumor Targeting by Monoclonal Antibody Functionalized Magnetic Nanoparticles. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	14
20	Agonist Met antibodies define the signalling threshold required for a full mitogenic and invasive program of Kaposi's Sarcoma cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 334, 1172-9	3.4	14
19	Biomimetic Magnetite Nanoparticles as Targeted Drug Nanocarriers and Mediators of Hyperthermia in an Experimental Cancer Model. <i>Cancers</i> , <b>2020</b> , 12,	6.6	14
18	Functionalized Biomimetic Magnetic Nanoparticles as Effective Nanocarriers for Targeted Chemotherapy. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1900057	3.1	12
17	Monoclonal Antibodies against the MET/HGF Receptor and Its Ligand: Multitask Tools with Applications from Basic Research to Therapy. <i>Biomedicines</i> , <b>2014</b> , 2, 359-383	4.8	12
16	Met identification on human platelets: role of hepatocyte growth factor in the modulation of platelet activation. <i>FEBS Letters</i> , <b>2005</b> , 579, 4550-4	3.8	12
15	Tyrosine kinase and control of cell proliferation. <i>The American Review of Respiratory Disease</i> , <b>1990</b> , 142, S16-9		12
14	Protective effects of clovamide against H <sub>2</sub> O <sub>2</sub> -induced stress in rat cardiomyoblasts H9c2 cell line. <i>Food and Function</i> , <b>2014</b> , 5, 2542-51	6.1	9
13	Advances and applications of induced pluripotent stem cells. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2012</b> , 90, 317-25	2.4	9
12	Biochemical and immunological properties of the human carcinoma antigen CAR-5 defined by the monoclonal antibody BD-5. <i>International Journal of Cancer</i> , <b>1989</b> , 44, 67-74	7.5	8
11	Bioinspired crystallization, sensitized luminescence and cytocompatibility of citrate-functionalized Ca-substituted europium phosphate monohydrate nanophosphors. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 174-186	9.3	7
10	Nanoformulation Design Including MamC-Mediated Biomimetic Nanoparticles Allows the Simultaneous Application of Targeted Drug Delivery and Magnetic Hyperthermia. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
9	Bioinspired Mineralization of Type I Collagen Fibrils with Apatite in Presence of Citrate and Europium Ions. <i>Crystals</i> , <b>2019</b> , 9, 13	2.3	5
8	Expression of the monoclonal antibody-defined CAR-3 epitope on neoplastic and preneoplastic lesions of the colon mucosa. <i>European Journal of Cancer &amp; Clinical Oncology</i> , <b>1987</b> , 23, 923-32		5
7	Eu-Doped Citrate-Coated Carbonated Apatite Luminescent Nanoprobes for Drug Delivery. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
6	Immunocyodiagnosis of atypical hyperplasia and endometrial carcinoma in post-menopausal women. <i>International Journal of Cancer</i> , <b>1992</b> , 51, 869-72	7.5	3

- 5 Isolation of Stromal Stem Cells from Adipose Tissue. *Methods in Molecular Biology*, **2017**, 1553, 169-182 1.4 2
- 4 Crystallization, Luminescence and Cytocompatibility of Hexagonal Calcium Doped Terbium Phosphate Hydrate Nanoparticles. *Nanomaterials*, **2021**, 11, 5-4 2
- 3 Induced Nucleation of Biomimetic Nanoapatites on Exfoliated Graphene Biomolecule Flakes by Vapor Diffusion in Microdroplets. *Crystals*, **2019**, 9, 341 2.3 1
- 2 Electrical stimuli in stem cell production and differentiation: an important factor?. *Pharmaceutical Bioprocessing*, **2014**, 2, 487-489
- 1 Use of monoclonal antibodies in solid tumors diagnosis-the endometrial carcinoma. *Cytotechnology*, **1991**, 5, 35-40 2.2