

# Oriol Casanovas

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

7,032  
citations

117453

34  
h-index

82410

72  
g-index

82  
all docs

82  
docs citations

82  
times ranked

11348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiangiogenic Therapy Elicits Malignant Progression of Tumors to Increased Local Invasion and Distant Metastasis. <i>Cancer Cell</i> , 2009, 15, 220-231.	7.7	2,168
2	Drug resistance by evasion of antiangiogenic targeting of VEGF signaling in late-stage pancreatic islet tumors. <i>Cancer Cell</i> , 2005, 8, 299-309.	7.7	1,478
3	Notch-dependent VEGFR3 upregulation allows angiogenesis without VEGF-VEGFR2 signalling. <i>Nature</i> , 2012, 484, 110-114.	13.7	315
4	Small molecule enoxacin is a cancer-specific growth inhibitor that acts by enhancing TAR RNA-binding protein 2-mediated microRNA processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4394-4399.	3.3	222
5	Unraveling the Role of Angiogenesis in Cancer Ecosystems. <i>Frontiers in Oncology</i> , 2018, 8, 248.	1.3	204
6	Semaphorin 3A overcomes cancer hypoxia and metastatic dissemination induced by antiangiogenic treatment in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 1832-1848.	3.9	154
7	Osmotic Stress Regulates the Stability of Cyclin D1 in a p38SAPK2-dependent Manner. <i>Journal of Biological Chemistry</i> , 2000, 275, 35091-35097.	1.6	131
8	Pazopanib in pretreated advanced neuroendocrine tumors: a phase II, open-label trial of the Spanish Task Force Group for Neuroendocrine Tumors (GETNE). <i>Annals of Oncology</i> , 2015, 26, 1987-1993.	0.6	112
9	Deficiency for endoglin in tumor vasculature weakens the endothelial barrier to metastatic dissemination. <i>Journal of Experimental Medicine</i> , 2013, 210, 563-579.	4.2	110
10	Resistance to Antiangiogenic Therapies by Metabolic Symbiosis in Renal Cell Carcinoma PDX Models and Patients. <i>Cell Reports</i> , 2016, 15, 1134-1143.	2.9	96
11	Antiangiogenic Therapies: Going beyond Their Limits. <i>Cancer Discovery</i> , 2014, 4, 31-41.	7.7	90
12	PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. <i>Nature Communications</i> , 2015, 6, 7935.	5.8	86
13	Molecular Pathogenesis of Neuroendocrine Tumors: Implications for Current and Future Therapeutic Approaches. <i>Clinical Cancer Research</i> , 2013, 19, 2842-2849.	3.2	80
14	TET2 controls chemoresistant slow-cycling cancer cell survival and tumor recurrence. <i>Journal of Clinical Investigation</i> , 2018, 128, 3887-3905.	3.9	79
15	The Protein SET Regulates the Inhibitory Effect of p21Cip1 on Cyclin E-Cyclin-dependent Kinase 2 Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 33161-33165.	1.6	78
16	Resistance to Targeted Therapies in Renal Cancer: The Importance of Changing the Mechanism of Action. <i>Targeted Oncology</i> , 2017, 12, 19-35.	1.7	77
17	Metronomic chemotherapy following the maximum tolerated dose is an effective anti-tumour therapy affecting angiogenesis, tumour dissemination and cancer stem cells. <i>International Journal of Cancer</i> , 2013, 133, 2464-2472.	2.3	76
18	Filamin B Plays a Key Role in Vascular Endothelial Growth Factor-induced Endothelial Cell Motility through Its Interaction with Rac-1 and Vav-2. <i>Journal of Biological Chemistry</i> , 2010, 285, 10748-10760.	1.6	75

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19	ALK1 Loss Results in Vascular Hyperplasia in Mice and Humans Through PI3K Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1216-1229.	1.1	75
20	Glycolytic Phenotype and AMP Kinase Modify the Pathologic Response of Tumor Xenografts to VEGF Neutralization. Cancer Research, 2011, 71, 4214-4225.	0.4	67
21	Antiangiogenic effect of gemcitabine following metronomic administration in a pancreas cancer model. Molecular Cancer Therapeutics, 2008, 7, 638-647.	1.9	61
22	Sunitinib Inhibits Tumor Growth and Synergizes with Cisplatin in Orthotopic Models of Cisplatin-Sensitive and Cisplatin-Resistant Human Testicular Germ Cell Tumors. Clinical Cancer Research, 2009, 15, 3384-3395.	3.2	57
23	Inhibition of the p110 $\beta$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. Journal of Experimental Medicine, 2013, 210, 1937-1945.	4.2	56
24	The PDGFR $\beta$ -AKT Pathway Contributes to CDDP-Acquired Resistance in Testicular Germ Cell Tumors. Clinical Cancer Research, 2014, 20, 658-667.	3.2	55
25	Calmodulin Binds to p21Cip1 and Is Involved in the Regulation of Its Nuclear Localization. Journal of Biological Chemistry, 1999, 274, 24445-24448.	1.6	53
26	Anti-angiogenesis and metastasis: a tumour and stromal cell alliance. Journal of Internal Medicine, 2013, 273, 128-137.	2.7	53
27	The TGF $\beta$ pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. International Journal of Cancer, 2016, 139, 1894-1903.	2.3	53
28	Endothelial cell rearrangements during vascular patterning require PI3-kinase-mediated inhibition of actomyosin contractility. Nature Communications, 2018, 9, 4826.	5.8	53
29	Progeny of Lgr5-expressing hair follicle stem cell contributes to papillomavirus-induced tumor development in epidermis. Oncogene, 2013, 32, 3732-3743.	2.6	46
30	Angiogenesis and Metabolism: Entwined for Therapy Resistance. Trends in Cancer, 2017, 3, 10-18.	3.8	46
31	P38SAPK2 phosphorylates cyclin D3 at Thr-283 and targets it for proteasomal degradation. Oncogene, 2004, 23, 7537-7544.	2.6	44
32	Limitations of therapies exposed. Nature, 2012, 484, 44-46.	13.7	42
33	Uveal Melanoma, Angiogenesis and Immunotherapy, Is There Any Hope?. Cancers, 2019, 11, 834.	1.7	41
34	Use of a Mouse Model of Pancreatic Neuroendocrine Tumors to Find Pericyte Biomarkers of Resistance to Anti-angiogenic Therapy. Hormone and Metabolic Research, 2011, 43, 884-889.	0.7	35
35	Therapeutic Benefit of Selective Inhibition of p110 $\beta$ PI3-Kinase in Pancreatic Neuroendocrine Tumors. Clinical Cancer Research, 2016, 22, 5805-5817.	3.2	35
36	Stem cell-like transcriptional reprogramming mediates metastatic resistance to mTOR inhibition. Oncogene, 2017, 36, 2737-2749.	2.6	34

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37	MicroRNA-497 impairs the growth of chemoresistant neuroblastoma cells by targeting cell cycle, survival and vascular permeability genes. <i>Oncotarget</i> , 2016, 7, 9271-9287.	0.8	31
38	Incomplete inhibition of the Rb tumor suppressor pathway in the context of inactivated p53 is sufficient for pancreatic islet tumorigenesis. <i>Oncogene</i> , 2005, 24, 6597-6604.	2.6	30
39	Molecular biology of neuroendocrine tumors: from pathways to biomarkers and targets. <i>Cancer and Metastasis Reviews</i> , 2014, 33, 345-351.	2.7	29
40	A Role for CXCR4 in Peritoneal and Hematogenous Ovarian Cancer Dissemination. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 532-543.	1.9	28
41	New drug development in digestive neuroendocrine tumors. <i>Annals of Oncology</i> , 2007, 18, 1307-1313.	0.6	27
42	Translational research in neuroendocrine tumors: pitfalls and opportunities. <i>Oncogene</i> , 2017, 36, 1899-1907.	2.6	26
43	Phase II Study of Everolimus and Octreotide LAR in Patients with Nonfunctioning Gastrointestinal Neuroendocrine Tumors: The GETNE1003_EVERLAR Study. <i>Oncologist</i> , 2019, 24, 38-46.	1.9	23
44	Effectivity of pazopanib treatment in orthotopic models of human testicular germ cell tumors. <i>BMC Cancer</i> , 2013, 13, 382.	1.1	21
45	Contrasting responses of non-small cell lung cancer to antiangiogenic therapies depend on histological subtype. <i>EMBO Molecular Medicine</i> , 2014, 6, 539-550.	3.3	21
46	Antitumor Effects of Anti-Semaphorin 4D Antibody Unravel a Novel Proinvasive Mechanism of Vascular-Targeting Agents. <i>Cancer Research</i> , 2019, 79, 5328-5341.	0.4	21
47	The p21Cip1 protein, a cyclin inhibitor, regulates the levels and the intracellular localization of CDC25A in mice regenerating livers. <i>Hepatology</i> , 2002, 35, 1063-1071.	3.6	19
48	A novel role for an RCAN3-derived peptide as a tumor suppressor in breast cancer. <i>Carcinogenesis</i> , 2015, 36, 792-799.	1.3	18
49	Haematopoietic focal adhesion kinase deficiency alters haematopoietic homeostasis to drive tumour metastasis. <i>Nature Communications</i> , 2014, 5, 5054.	5.8	17
50	Quantification of gold nanoparticle accumulation in tissue by two-photon luminescence microscopy. <i>Nanoscale</i> , 2019, 11, 11331-11339.	2.8	17
51	ErbBs inhibition by lapatinib blocks tumor growth in an orthotopic model of human testicular germ cell tumor. <i>International Journal of Cancer</i> , 2013, 133, 235-246.	2.3	16
52	The truncated somatostatin receptor sst5TMD4 stimulates the angiogenic process and is associated to lymphatic metastasis and disease-free survival in breast cancer patients. <i>Oncotarget</i> , 2016, 7, 60110-60122.	0.8	16
53	The Cell Cycle Inhibitor p21CIP1s Phosphorylated by Cyclin A-CDK2 Complexes. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 434-438.	1.0	15
54	The adaptive stroma joining the antiangiogenic resistance front. <i>Journal of Clinical Investigation</i> , 2011, 121, 1244-1247.	3.9	13

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55	High <i>FGFR1</i> mRNA Expression Levels Correlate with Response to Selective FGFR Inhibitors in Breast Cancer. <i>Clinical Cancer Research</i> , 2022, 28, 137-149.	3.2	12
56	Relevance of angiogenesis in neuroendocrine tumors. <i>Targeted Oncology</i> , 2012, 7, 93-98.	1.7	10
57	Antiangiogenic Resistance: Novel Angiogenesis Axes Uncovered by Antiangiogenic Therapies Research. <i>Current Drug Targets</i> , 2016, 17, 1728-1734.	1.0	10
58	Scanning, non-contact, hybrid broadband diffuse optical spectroscopy and diffuse correlation spectroscopy system. <i>Biomedical Optics Express</i> , 2016, 7, 481.	1.5	9
59	Sprouting strategies and dead ends in anti-angiogenic targeting of NETs. <i>Journal of Molecular Endocrinology</i> , 2017, 59, R77-R91.	1.1	9
60	EV11 as a Prognostic and Predictive Biomarker of Clear Cell Renal Cell Carcinoma. <i>Cancers</i> , 2020, 12, 300.	1.7	9
61	Exploiting pleiotropic activities of semaphorins as multi-target therapies for cancer. <i>EMBO Molecular Medicine</i> , 2012, 4, 168-170.	3.3	6
62	The use of caspase inhibitors in pulsed-field gel electrophoresis may improve the estimation of radiation-induced DNA repair and apoptosis. <i>Radiation Oncology</i> , 2011, 6, 6.	1.2	5
63	Pre-clinical longitudinal monitoring of hemodynamic response to anti-vascular chemotherapy by hybrid diffuse optics. <i>Biomedical Optics Express</i> , 2017, 8, 2563.	1.5	5
64	Non-invasive and quantitative <i>in vivo</i> monitoring of gold nanoparticle concentration and tissue hemodynamics by hybrid optical spectroscopies. <i>Nanoscale</i> , 2019, 11, 5595-5606.	2.8	5
65	Multi-target angiokinase inhibitors to fight resistance. <i>Cell Cycle</i> , 2014, 13, 2649-2650.	1.3	4
66	Study on activation of the IGF-1R/mTOR pathway in neuroendocrine tumours (NETs). <i>Journal of Clinical Oncology</i> , 2013, 31, 4139-4139.	0.8	4
67	Kidney cancer PDOXs reveal patient-specific pro-malignant effects of antiangiogenics and its molecular traits. <i>EMBO Molecular Medicine</i> , 2020, 12, e11889.	3.3	4
68	Non-invasive monitoring of hypoxia-inducible factor activation by optical imaging during antiangiogenic treatment in a xenograft model of ovarian carcinoma. <i>International Journal of Oncology</i> , 2011, 39, 543-52.	1.4	3
69	Antiangiogenic resistance via metabolic symbiosis. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1211979.	0.3	3
70	Promalignant effects of antiangiogenics in the tumor microenvironment. <i>Seminars in Cancer Biology</i> , 2022, 32, 199-206.	4.3	3
71	Relevance of Angiogenesis in Neuroendocrine Tumors. , 2014, , 29-41.		2
72	Mechanisms of Tumor Angiogenesis. , 2019, , 3-31.		2

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73	Phase II study of everolimus (EVL) and octreotide (OCT) LAR in patients with non-functioning gastrointestinal neuroendocrine tumours (GI-NETs): EVERLAR study. <i>Annals of Oncology</i> , 2016, 27, vi145.	0.6	1
74	Insulin-like growth factor levels and chronic lymphocytic leukaemia: results from the MCC Spain and EpiLymphSpain studies. <i>British Journal of Haematology</i> , 2019, 185, 608-612.	1.2	1
75	RAS mutant allele fraction in plasma predicts benefit to anti-angiogenic based first-line treatment in metastatic colorectal cancer. <i>Annals of Oncology</i> , 2019, 30, v217.	0.6	0
76	Mechanisms of Anti-angiogenic Therapy. , 2019, , 183-208.		0
77	Deficiency for endoglin in tumor vasculature weakens the endothelial barrier to metastatic dissemination. <i>Journal of Cell Biology</i> , 2013, 200, i10-i10.	2.3	0
78	Inhibition of the p110 $\beta$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. <i>Journal of Cell Biology</i> , 2013, 202, 2027-2039.	2.3	0
79	A non-contact, small animal scanner based on diffuse optical spectroscopy and diffuse correlation spectroscopy. , 2016, , .		0
80	Simultaneous, non-invasive measurement of local tissue hemodynamics, oxygen metabolism and gold nanorod concentration in vivo. , 2016, , .		0
81	Diffuse optical platform for the personalization of plasmonic photothermal therapy. , 2022, , .		0