

# Oriol Casanovas

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

7,032  
citations

117625

34  
h-index

82547

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.  | 16.8 | 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.  | 16.8 | 1,478     |
| 3  | Notch-dependent VEGFR3 upregulation allows angiogenesis without VEGF-VEGFR2 signalling. <i>Nature</i> , 2012, 484, 110-114.   | 27.8 | 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. | 7.1  | 222       |
| 5  | Unraveling the Role of Angiogenesis in Cancer Ecosystems. <i>Frontiers in Oncology</i> , 2018, 8, 248.  | 2.8  | 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.   | 8.2  | 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.  | 3.4  | 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.  | 1.2  | 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.   | 8.5  | 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.   | 6.4  | 96        |
| 11 | Antiangiogenic Therapies: Going beyond Their Limits. <i>Cancer Discovery</i> , 2014, 4, 31-41.  | 9.4  | 90        |
| 12 | PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. <i>Nature Communications</i> , 2015, 6, 7935.  | 12.8 | 86        |
| 13 | Molecular Pathogenesis of Neuroendocrine Tumors: Implications for Current and Future Therapeutic Approaches. <i>Clinical Cancer Research</i> , 2013, 19, 2842-2849.   | 7.0  | 80        |
| 14 | TET2 controls chemoresistant slow-cycling cancer cell survival and tumor recurrence. <i>Journal of Clinical Investigation</i> , 2018, 128, 3887-3905.   | 8.2  | 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.   | 3.4  | 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.   | 3.6  | 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.                         | 5.1  | 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.   | 3.4  | 75        |

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|----|---|------|-----------|
| 19 | ALK1 Loss Results in Vascular Hyperplasia in Mice and Humans Through PI3K Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1216-1229.  | 2.4  | 75        |
| 20 | Glycolytic Phenotype and AMP Kinase Modify the Pathologic Response of Tumor Xenografts to VEGF Neutralization. <i>Cancer Research</i> , 2011, 71, 4214-4225.  | 0.9  | 67        |
| 21 | Antiangiogenic effect of gemcitabine following metronomic administration in a pancreas cancer model. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 638-647.   | 4.1  | 61        |
| 22 | Sunitinib Inhibits Tumor Growth and Synergizes with Cisplatin in Orthotopic Models of Cisplatin-Sensitive and Cisplatin-Resistant Human Testicular Germ Cell Tumors. <i>Clinical Cancer Research</i> , 2009, 15, 3384-3395. | 7.0  | 57        |
| 23 | Inhibition of the p110 $\beta$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. <i>Journal of Experimental Medicine</i> , 2013, 210, 1937-1945.  | 8.5  | 56        |
| 24 | The PDGFR $\beta$ -AKT Pathway Contributes to CDDP-Acquired Resistance in Testicular Germ Cell Tumors. <i>Clinical Cancer Research</i> , 2014, 20, 658-667.   | 7.0  | 55        |
| 25 | Calmodulin Binds to p21Cip1 and Is Involved in the Regulation of Its Nuclear Localization. <i>Journal of Biological Chemistry</i> , 1999, 274, 24445-24448.   | 3.4  | 53        |
| 26 | Anti-angiogenesis and metastasis: a tumour and stromal cell alliance. <i>Journal of Internal Medicine</i> , 2013, 273, 128-137.   | 6.0  | 53        |
| 27 | The TGF $\beta$ 2 pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. <i>International Journal of Cancer</i> , 2016, 139, 1894-1903.   | 5.1  | 53        |
| 28 | Endothelial cell rearrangements during vascular patterning require PI3-kinase-mediated inhibition of actomyosin contractility. <i>Nature Communications</i> , 2018, 9, 4826.  | 12.8 | 53        |
| 29 | Progeny of Lgr5-expressing hair follicle stem cell contributes to papillomavirus-induced tumor development in epidermis. <i>Oncogene</i> , 2013, 32, 3732-3743.   | 5.9  | 46        |
| 30 | Angiogenesis and Metabolism: Entwined for Therapy Resistance. <i>Trends in Cancer</i> , 2017, 3, 10-18.   | 7.4  | 46        |
| 31 | P38SAPK2 phosphorylates cyclin D3 at Thr-283 and targets it for proteasomal degradation. <i>Oncogene</i> , 2004, 23, 7537-7544.   | 5.9  | 44        |
| 32 | Limitations of therapies exposed. <i>Nature</i> , 2012, 484, 44-46.   | 27.8 | 42        |
| 33 | Uveal Melanoma, Angiogenesis and Immunotherapy, Is There Any Hope?. <i>Cancers</i> , 2019, 11, 834.   | 3.7  | 41        |
| 34 | Use of a Mouse Model of Pancreatic Neuroendocrine Tumors to Find Pericyte Biomarkers of Resistance to Anti-angiogenic Therapy. <i>Hormone and Metabolic Research</i> , 2011, 43, 884-889.                                   | 1.5  | 35        |
| 35 | Therapeutic Benefit of Selective Inhibition of p110 $\beta$ PI3-Kinase in Pancreatic Neuroendocrine Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 5805-5817.  | 7.0  | 35        |
| 36 | Stem cell-like transcriptional reprogramming mediates metastatic resistance to mTOR inhibition. <i>Oncogene</i> , 2017, 36, 2737-2749.  | 5.9  | 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.  | 1.8  | 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.                                     | 5.9  | 30        |
| 39 | Molecular biology of neuroendocrine tumors: from pathways to biomarkers and targets. <i>Cancer and Metastasis Reviews</i> , 2014, 33, 345-351.  | 5.9  | 29        |
| 40 | A Role for CXCR4 in Peritoneal and Hematogenous Ovarian Cancer Dissemination. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 532-543.   | 4.1  | 28        |
| 41 | New drug development in digestive neuroendocrine tumors. <i>Annals of Oncology</i> , 2007, 18, 1307-1313.   | 1.2  | 27        |
| 42 | Translational research in neuroendocrine tumors: pitfalls and opportunities. <i>Oncogene</i> , 2017, 36, 1899-1907.   | 5.9  | 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.                               | 3.7  | 23        |
| 44 | Effectivity of pazopanib treatment in orthotopic models of human testicular germ cell tumors. <i>BMC Cancer</i> , 2013, 13, 382.  | 2.6  | 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.  | 6.9  | 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.  | 0.9  | 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.  | 7.3  | 19        |
| 48 | A novel role for an RCAN3-derived peptide as a tumor suppressor in breast cancer. <i>Carcinogenesis</i> , 2015, 36, 792-799.  | 2.8  | 18        |
| 49 | Haematopoietic focal adhesion kinase deficiency alters haematopoietic homeostasis to drive tumour metastasis. <i>Nature Communications</i> , 2014, 5, 5054.   | 12.8 | 17        |
| 50 | Quantification of gold nanoparticle accumulation in tissue by two-photon luminescence microscopy. <i>Nanoscale</i> , 2019, 11, 11331-11339.   | 5.6  | 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.  | 5.1  | 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. | 1.8  | 16        |
| 53 | The Cell Cycle Inhibitor p21CIP1s Phosphorylated by Cyclin A-CDK2 Complexes. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 434-438.   | 2.1  | 15        |
| 54 | The adaptive stroma joining the antiangiogenic resistance front. <i>Journal of Clinical Investigation</i> , 2011, 121, 1244-1247.   | 8.2  | 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.  | 7.0 | 12        |
| 56 | Relevance of angiogenesis in neuroendocrine tumors. <i>Targeted Oncology</i> , 2012, 7, 93-98.  | 3.6 | 10        |
| 57 | Antiangiogenic Resistance: Novel Angiogenesis Axes Uncovered by Antiangiogenic Therapies Research. <i>Current Drug Targets</i> , 2016, 17, 1728-1734.   | 2.1 | 10        |
| 58 | Scanning, non-contact, hybrid broadband diffuse optical spectroscopy and diffuse correlation spectroscopy system. <i>Biomedical Optics Express</i> , 2016, 7, 481.  | 2.9 | 9         |
| 59 | Sprouting strategies and dead ends in anti-angiogenic targeting of NETs. <i>Journal of Molecular Endocrinology</i> , 2017, 59, R77-R91.   | 2.5 | 9         |
| 60 | EV11 as a Prognostic and Predictive Biomarker of Clear Cell Renal Cell Carcinoma. <i>Cancers</i> , 2020, 12, 300.   | 3.7 | 9         |
| 61 | Exploiting pleiotropic activities of semaphorins as multi-target therapies for cancer. <i>EMBO Molecular Medicine</i> , 2012, 4, 168-170.   | 6.9 | 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.                                       | 2.7 | 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.  | 2.9 | 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.                              | 5.6 | 5         |
| 65 | Multi-target angiokinase inhibitors to fight resistance. <i>Cell Cycle</i> , 2014, 13, 2649-2650.   | 2.6 | 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.   | 1.6 | 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.   | 6.9 | 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. | 3.3 | 3         |
| 69 | Antiangiogenic resistance via metabolic symbiosis. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1211979.  | 0.7 | 3         |
| 70 | Promalignant effects of antiangiogenics in the tumor microenvironment. <i>Seminars in Cancer Biology</i> , 2022, 32, 199-206.   | 9.6 | 3         |
| 71 | Relevance of Angiogenesis in Neuroendocrine Tumors. , 2014, , 29-41.  |     | 2         |
| 72 | Mechanisms of Tumor Angiogenesis. , 2019, , 3-31.   |     | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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. | 1.2 | 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.                      | 2.5 | 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.                            | 1.2 | 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.  | 5.2 | 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.   | 5.2 | 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         |