

# Mariona Graupera

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

5,457  
citations

117571

34  
h-index

149623

56  
g-index

64  
all docs

64  
docs citations

64  
times ranked

9135  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The emerging mechanisms of isoform-specific PI3K signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 329-341.  | 16.1 | 1,491     |
| 2  | Angiogenesis selectively requires the p110 $\beta$ isoform of PI3K to control endothelial cell migration. <i>Nature</i> , 2008, 453, 662-666.   | 13.7 | 459       |
| 3  | Targeting PI3K in Cancer: Impact on Tumor Cells, Their Protective Stroma, Angiogenesis, and Immunotherapy. <i>Cancer Discovery</i> , 2016, 6, 1090-1105.  | 7.7  | 217       |
| 4  | cKit Lineage Hemogenic Endothelium-Derived Cells Contribute to Mesenteric Lymphatic Vessels. <i>Cell Reports</i> , 2015, 10, 1708-1721.   | 2.9  | 207       |
| 5  | Simvastatin treatment improves liver sinusoidal endothelial dysfunction in CCl4 cirrhotic rats. <i>Journal of Hepatology</i> , 2007, 46, 1040-1046.   | 1.8  | 203       |
| 6  | The metabolic co-regulator PGC1 $\beta$ suppresses prostate cancer metastasis. <i>Nature Cell Biology</i> , 2016, 18, 645-656.  | 4.6  | 176       |
| 7  | Somatic activating mutations in <i>Pik3ca</i> cause sporadic venous malformations in mice and humans. <i>Science Translational Medicine</i> , 2016, 8, 332ra43.   | 5.8  | 138       |
| 8  | PI3 kinase inhibition improves vascular malformations in mouse models of hereditary haemorrhagic telangiectasia. <i>Nature Communications</i> , 2016, 7, 13650.   | 5.8  | 136       |
| 9  | Re-education of Tumor-Associated Macrophages by CXCR2 Blockade Drives Senescence and Tumor Inhibition in Advanced Prostate Cancer. <i>Cell Reports</i> , 2019, 28, 2156-2168.e5.  | 2.9  | 129       |
| 10 | Cyclooxygenase-derived products modulate the increased intrahepatic resistance of cirrhotic rat livers. <i>Hepatology</i> , 2003, 37, 172-181.  | 3.6  | 126       |
| 11 | Integrin-dependent and -independent functions of astrocytic fibronectin in retinal angiogenesis. <i>Development (Cambridge)</i> , 2011, 138, 4451-4463.   | 1.2  | 116       |
| 12 | Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , 2020, 31, 987-1003.e8.  | 7.2  | 101       |
| 13 | 5-lipoxygenase inhibition reduces intrahepatic vascular resistance of cirrhotic rat livers: A possible role of cysteinyl-leukotrienes. <i>Gastroenterology</i> , 2002, 122, 387-393.  | 0.6  | 96        |
| 14 | 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        |
| 15 | Regulation of angiogenesis by PI3K signaling networks. <i>Experimental Cell Research</i> , 2013, 319, 1348-1355.  | 1.2  | 94        |
| 16 | PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. <i>Nature Communications</i> , 2015, 6, 7935.  | 5.8  | 86        |
| 17 | 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        |
| 18 | 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        |

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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.   | 1.1  | 75        |
| 20 | Sequential Functions of CPEB1 and CPEB4 Regulate Pathologic Expression of Vascular Endothelial Growth Factor and Angiogenesis in Chronic Liver Disease. <i>Gastroenterology</i> , 2016, 150, 982-997.e30.  | 0.6  | 73        |
| 21 | Cyclooxygenase-1 inhibition corrects endothelial dysfunction in cirrhotic rat livers. <i>Journal of Hepatology</i> , 2003, 39, 515-521.  | 1.8  | 68        |
| 22 | Sinusoidal endothelial COX-1-derived prostanoids modulate the hepatic vascular tone of cirrhotic rat livers. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, G763-G770.  | 1.6  | 65        |
| 23 | Crosstalk Between Reticular Adherens Junctions and Platelet Endothelial Cell Adhesion Molecule-1 Regulates Endothelial Barrier Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, e90-102.                          | 1.1  | 61        |
| 24 | Endothelial Cells: New Players in Obesity and Related Metabolic Disorders. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 781-794.  | 3.1  | 59        |
| 25 | Blockade of VEGF-C signaling inhibits lymphatic malformations driven by oncogenic PIK3CA mutation. <i>Nature Communications</i> , 2020, 11, 2869.  | 5.8  | 59        |
| 26 | Inhibition of the p110 $\beta$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. <i>Journal of Experimental Medicine</i> , 2013, 210, 1937-1945.   | 4.2  | 56        |
| 27 | The PDGFR $\beta$ -AKT Pathway Contributes to CDDP-Acquired Resistance in Testicular Germ Cell Tumors. <i>Clinical Cancer Research</i> , 2014, 20, 658-667.  | 3.2  | 55        |
| 28 | Oncogenic PIK3CA induces centrosome amplification and tolerance to genome doubling. <i>Nature Communications</i> , 2017, 8, 1773.  | 5.8  | 54        |
| 29 | The TGF $\beta$ pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. <i>International Journal of Cancer</i> , 2016, 139, 1894-1903.  | 2.3  | 53        |
| 30 | Endothelial cell rearrangements during vascular patterning require PI3-kinase-mediated inhibition of actomyosin contractility. <i>Nature Communications</i> , 2018, 9, 4826.   | 5.8  | 53        |
| 31 | Behavioural immune landscapes of inflammation. <i>Nature</i> , 2022, 601, 415-421.   | 13.7 | 53        |
| 32 | Ultrasensitive and absolute quantification of the phosphoinositide 3-kinase/Akt signal transduction pathway by mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8959-8964. | 3.3  | 47        |
| 33 | Left ventricular hypertrophy in rats with biliary cirrhosis. <i>Hepatology</i> , 2003, 38, 589-598.  | 3.6  | 46        |
| 34 | Identification and Functional Characterization of the Hepatic Stellate Cell CD38 Cell Surface Molecule. <i>American Journal of Pathology</i> , 2007, 170, 176-187.   | 1.9  | 44        |
| 35 | PIK3CA mutations in vascular malformations. <i>Current Opinion in Hematology</i> , 2019, 26, 170-178.  | 1.2  | 38        |
| 36 | Novel Role for p110 $\beta$ PI 3-Kinase in Male Fertility through Regulation of Androgen Receptor Activity in Sertoli Cells. <i>PLoS Genetics</i> , 2015, 11, e1005304.  | 1.5  | 35        |

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|----|---|-----|-----------|
| 37 | Therapeutic Benefit of Selective Inhibition of p110 $\alpha$ PI3-Kinase in Pancreatic Neuroendocrine Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 5805-5817.                   | 3.2 | 35        |
| 38 | Stem cell-like transcriptional reprogramming mediates metastatic resistance to mTOR inhibition. <i>Oncogene</i> , 2017, 36, 2737-2749.  | 2.6 | 34        |
| 39 | DYRK1A Kinase Positively Regulates Angiogenic Responses in Endothelial Cells. <i>Cell Reports</i> , 2018, 23, 1867-1878.  | 2.9 | 34        |
| 40 | Angiocrine polyamine production regulates adiposity. <i>Nature Metabolism</i> , 2022, 4, 327-343.   | 5.1 | 31        |
| 41 | PI3K at the crossroads of tumor angiogenesis signaling pathways. <i>Molecular and Cellular Oncology</i> , 2015, 2, e975624.   | 0.3 | 29        |
| 42 | Phosphoinositide 3-Kinase $\alpha$ Regulated Pericyte Maturation Governs Vascular Remodeling. <i>Circulation</i> , 2020, 142, 688-704.  | 1.6 | 29        |
| 43 | A Role for CXCR4 in Peritoneal and Hematogenous Ovarian Cancer Dissemination. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 532-543.   | 1.9 | 28        |
| 44 | Class I PI-3-Kinase Signaling Is Critical for Bone Formation Through Regulation of SMAD1 Activity in Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1617-1630.  | 3.1 | 24        |
| 45 | A junctional PACSIN2/EHD4/MICAL-L1 complex coordinates VE-cadherin trafficking for endothelial migration and angiogenesis. <i>Nature Communications</i> , 2021, 12, 2610.             | 5.8 | 23        |
| 46 | Acute propranolol administration effectively decreases portal pressure in patients with TIPS dysfunction. <i>Gut</i> , 2003, 52, 130-133.   | 6.1 | 22        |
| 47 | Effectivity of pazopanib treatment in orthotopic models of human testicular germ cell tumors. <i>BMC Cancer</i> , 2013, 13, 382.  | 1.1 | 21        |
| 48 | 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        |
| 49 | Revisiting PI3-kinase signalling in angiogenesis. <i>Vascular Biology (Bristol, England)</i> , 2019, 1, H125-H134.  | 1.2 | 20        |
| 50 | Genetic manipulation of LKB1 elicits lethal metastatic prostate cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .  | 4.2 | 19        |
| 51 | The onset of PI3K $\alpha$ -related vascular malformations occurs during angiogenesis and is prevented by the AKT inhibitor miransertib. <i>EMBO Molecular Medicine</i> , 2022, 14, . | 3.3 | 19        |
| 52 | 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        |
| 53 | Integrative analysis of transcriptomics and clinical data uncovers the tumor-suppressive activity of MITF in prostate cancer. <i>Cell Death and Disease</i> , 2018, 9, 1041.          | 2.7 | 14        |
| 54 | Large $\alpha$ -conductance calcium $\alpha$ -activated potassium channels modulate vascular tone in experimental cirrhosis. <i>Liver International</i> , 2008, 28, 566-573.          | 1.9 | 6         |

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|----|--|-----|-----------|
| 55 | The loss of DHX15 impairs endothelial energy metabolism, lymphatic drainage and tumor metastasis in mice. <i>Communications Biology</i> , 2021, 4, 1192.   | 2.0 | 5         |
| 56 | Editorial: Endothelial Dynamics in Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 611117.  | 1.3 | 0         |
| 57 | Inhibition of the p110 $\alpha$ isoform of PI 3-kinase stimulates nonfunctional tumor angiogenesis. <i>Journal of Cell Biology</i> , 2013, 202, 202701A99. | 2.3 | 0         |