

# Olivier De Wever

## List of Publications by Year in descending order

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Version: 2024-02-01

205  
papers

25,058  
citations

26610

56  
h-index

7511

151  
g-index

209  
all docs

209  
docs citations

209  
times ranked

34336  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750. | 5.5 | 6,961     |
| 2  | Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27066.   | 5.5 | 3,973     |
| 3  | Recent Developments in Myofibroblast Biology. <i>American Journal of Pathology</i> , 2012, 180, 1340-1355.  | 1.9 | 1,043     |
| 4  | EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017, 14, 228-232.  | 9.0 | 886       |
| 5  | Role of tissue stroma in cancer cell invasion. <i>Journal of Pathology</i> , 2003, 200, 429-447.  | 2.1 | 878       |
| 6  | Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017, 120, 1632-1648.  | 2.0 | 728       |
| 7  | The impact of disparate isolation methods for extracellular vesicles on downstream RNA profiling. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .   | 5.5 | 725       |
| 8  | Stromal myofibroblasts are drivers of invasive cancer growth. <i>International Journal of Cancer</i> , 2008, 123, 2229-2238.  | 2.3 | 606       |
| 9  | Bone marrow stromal cell-derived exosomes as communicators in drug resistance in multiple myeloma cells. <i>Blood</i> , 2014, 124, 555-566.   | 0.6 | 371       |
| 10 | Tenascin-C and SF/HGF produced by myofibroblasts in vitro provide convergent proinvasive signals to human colon cancer cells through RhoA and Rac. <i>FASEB Journal</i> , 2004, 18, 1016-1018.  | 0.2 | 348       |
| 11 | Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. <i>Nature Neuroscience</i> , 2021, 24, 595-610.  | 7.1 | 288       |
| 12 | Molecular signature and therapeutic perspective of the epithelial-to-mesenchymal transitions in epithelial cancers. <i>Drug Resistance Updates</i> , 2008, 11, 123-151.   | 6.5 | 282       |
| 13 | MIFlowCyt-EV: a framework for standardized reporting of extracellular vesicle flow cytometry experiments. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1713526.  | 5.5 | 243       |
| 14 | Comparative Analysis of Dynamic Cell Viability, Migration and Invasion Assessments by Novel Real-Time Technology and Classic Endpoint Assays. <i>PLoS ONE</i> , 2012, 7, e46536.  | 1.1 | 229       |
| 15 | Molecular and pathological signatures of epithelial-mesenchymal transitions at the cancer invasion front. <i>Histochemistry and Cell Biology</i> , 2008, 130, 481-94.   | 0.8 | 206       |
| 16 | Effect of the Secretory Small GTPase Rab27B on Breast Cancer Growth, Invasion, and Metastasis. <i>Journal of the National Cancer Institute</i> , 2010, 102, 866-880.  | 3.0 | 196       |
| 17 | Confounding factors of ultrafiltration and protein analysis in extracellular vesicle research. <i>Scientific Reports</i> , 2017, 7, 2704.   | 1.6 | 181       |
| 18 | Increased levels of systemic LPS-positive bacterial extracellular vesicles in patients with intestinal barrier dysfunction. <i>Gut</i> , 2020, 69, 191-193.   | 6.1 | 171       |

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|----|---|-----|-----------|
| 19 | Identification of CDH1 germline missense mutations associated with functional inactivation of the E-cadherin protein in young gastric cancer probands. <i>Human Molecular Genetics</i> , 2003, 12, 575-582. | 1.4 | 167       |
| 20 | Cancer-Associated Fibroblasts Connect Metastasis-Promoting Communication in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 63.  | 1.3 | 158       |
| 21 | Bone marrow-derived mesenchymal stem cells promote colorectal cancer progression through paracrine neuregulin 1/HER3 signalling. <i>Gut</i> , 2013, 62, 550-560.  | 6.1 | 155       |
| 22 | Critical role of N-cadherin in myofibroblast invasion and migration in vitro stimulated by colon-cancer-cell-derived TGF- $\beta^2$ or wounding. <i>Journal of Cell Science</i> , 2004, 117, 4691-4703.     | 1.2 | 141       |
| 23 | Implication of Metastasis Suppressor <i>NM23-H1</i> in Maintaining Adherens Junctions and Limiting the Invasive Potential of Human Cancer Cells. <i>Cancer Research</i> , 2010, 70, 7710-7722.              | 0.4 | 132       |
| 24 | Analyzing bacterial extracellular vesicles in human body fluids by orthogonal biophysical separation and biochemical characterization. <i>Nature Protocols</i> , 2020, 15, 40-67.                           | 5.5 | 130       |
| 25 | Use of Tamoxifen Before and During Pregnancy. <i>Oncologist</i> , 2011, 16, 1547-1551.  | 1.9 | 124       |
| 26 | Genipin-crosslinked gelatin microspheres as a strategy to prevent postsurgical peritoneal adhesions: In vitro and in vivo characterization. <i>Biomaterials</i> , 2016, 96, 33-46.                          | 5.7 | 117       |
| 27 | Exosomal microRNAs derived from colorectal cancer-associated fibroblasts: role in driving cancer progression. <i>Aging</i> , 2017, 9, 2666-2694.  | 1.4 | 112       |
| 28 | Carcinoma-associated fibroblasts provide operational flexibility in metastasis. <i>Seminars in Cancer Biology</i> , 2014, 25, 33-46.  | 4.3 | 111       |
| 29 | Soluble cadherins as cancer biomarkers. <i>Clinical and Experimental Metastasis</i> , 2007, 24, 685-697.  | 1.7 | 108       |
| 30 | Radiotherapy-Activated Cancer-Associated Fibroblasts Promote Tumor Progression through Paracrine IGF1R Activation. <i>Cancer Research</i> , 2018, 78, 659-670.  | 0.4 | 107       |
| 31 | Fibroblasts Fuel Immune Escape in the Tumor Microenvironment. <i>Trends in Cancer</i> , 2019, 5, 704-723.   | 3.8 | 107       |
| 32 | Cancer-Associated Adipose Tissue Promotes Breast Cancer Progression by Paracrine Oncostatin M and Jak/STAT3 Signaling. <i>Cancer Research</i> , 2014, 74, 6806-6819.  | 0.4 | 105       |
| 33 | Stromal integrin $\alpha 11$ regulates PDGFR $\beta$ signaling and promotes breast cancer progression. <i>Journal of Clinical Investigation</i> , 2019, 129, 4609-4628.                                     | 3.9 | 102       |
| 34 | Unravelling the proteomic landscape of extracellular vesicles in prostate cancer by density-based fractionation of urine. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1736935.                      | 5.5 | 101       |
| 35 | Tenascin-C Downregulates Wnt Inhibitor Dickkopf-1, Promoting Tumorigenesis in a Neuroendocrine Tumor Model. <i>Cell Reports</i> , 2013, 5, 482-492.   | 2.9 | 100       |
| 36 | An Exociting Machinery for Invasive Tumor Growth. <i>Cancer Research</i> , 2010, 70, 9533-9537.   | 0.4 | 99        |

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|----|---|-----|-----------|
| 37 | Crosstalk between the microbiome and cancer cells by quorum sensing peptides. <i>Peptides</i> , 2015, 64, 40-48.  | 1.2 | 98        |
| 38 | The generation and use of recombinant extracellular vesicles as biological reference material. <i>Nature Communications</i> , 2019, 10, 3288.   | 5.8 | 96        |
| 39 | A nanobody targeting the F-actin capping protein CapG restrains breast cancer metastasis. <i>Breast Cancer Research</i> , 2013, 15, R116.   | 2.2 | 91        |
| 40 | The role of non-muscle myosin IIA in aggregation and invasion of human MCF-7 breast cancer cells. <i>International Journal of Developmental Biology</i> , 2011, 55, 835-840.                                      | 0.3 | 85        |
| 41 | Differential secretome analysis of cancer-associated fibroblasts and bone marrow-derived precursors to identify microenvironmental regulators of colon cancer progression. <i>Proteomics</i> , 2013, 13, 379-388. | 1.3 | 85        |
| 42 | Differential impact of TGF- $\beta$ 2 and EGF on fibroblast differentiation and invasion reciprocally promotes colon cancer cell invasion. <i>Cancer Letters</i> , 2008, 266, 263-274.                            | 3.2 | 82        |
| 43 | The intracellular E-cadherin germline mutation V832M lacks the ability to mediate cell-cell adhesion and to suppress invasion. <i>Oncogene</i> , 2003, 22, 5716-5719.   | 2.6 | 81        |
| 44 | Role of <i>WISP-2/CCN5</i> in the Maintenance of a Differentiated and Noninvasive Phenotype in Human Breast Cancer Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 1114-1123.                            | 1.1 | 80        |
| 45 | Modeling and quantification of cancer cell invasion through collagen type I matrices. <i>International Journal of Developmental Biology</i> , 2010, 54, 887-896.  | 0.3 | 80        |
| 46 | Proinvasive activity of BMP-7 through SMAD4 /src -independent and ERK/ Rac /JNK -dependent signaling pathways in colon cancer cells†. <i>Cellular Signalling</i> , 2007, 19, 1722-1732.                           | 1.7 | 77        |
| 47 | The Quorum Sensing Peptides PhrG, CSP and EDF Promote Angiogenesis and Invasion of Breast Cancer Cells In Vitro. <i>PLoS ONE</i> , 2015, 10, e0119471.  | 1.1 | 77        |
| 48 | Role of Myofibroblasts at the Invasion Front. <i>Biological Chemistry</i> , 2002, 383, 55-67.   | 1.2 | 76        |
| 49 | miR-145 overexpression suppresses the migration and invasion of metastatic melanoma cells. <i>International Journal of Oncology</i> , 2013, 42, 1443-1451.  | 1.4 | 76        |
| 50 | CCN5, a Novel Transcriptional Repressor of the Transforming Growth Factor $\beta$ 2 Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2011, 31, 1459-1469.   | 1.1 | 74        |
| 51 | Role of the Focal Adhesion Protein Kindlin-1 in Breast Cancer Growth and Lung Metastasis. <i>Journal of the National Cancer Institute</i> , 2011, 103, 1323-1337.   | 3.0 | 69        |
| 52 | Inhibition of Heterotrimeric G Protein Signaling by a Small Molecule Acting on G $\beta$ Subunit. <i>Journal of Biological Chemistry</i> , 2009, 284, 29136-29145.  | 1.6 | 67        |
| 53 | The proinvasive activity of Wnt $\beta$ 2 is mediated through a noncanonical Wnt pathway coupled to GSK $\beta$ and c-Jun/AP1 signaling. <i>FASEB Journal</i> , 2005, 19, 144-146.                                | 0.2 | 65        |
| 54 | Mathematical modeling of intraperitoneal drug delivery: simulation of drug distribution in a single tumor nodule. <i>Drug Delivery</i> , 2017, 24, 491-501.   | 2.5 | 64        |

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|----|--|-----|-----------|
| 55 | Fronodoside A Suppressive Effects on Lung Cancer Survival, Tumor Growth, Angiogenesis, Invasion, and Metastasis. <i>PLoS ONE</i> , 2013, 8, e53087.  | 1.1 | 62        |
| 56 | Selective pharmacological inhibitors of HDAC6 reveal biochemical activity but functional tolerance in cancer models. <i>International Journal of Cancer</i> , 2019, 145, 735-747.  | 2.3 | 60        |
| 57 | Chitosan/ $\beta$ -PGA nanoparticles-based immunotherapy as adjuvant to radiotherapy in breast cancer. <i>Biomaterials</i> , 2020, 257, 120218.  | 5.7 | 60        |
| 58 | APOBEC3G Expression Correlates with T-Cell Infiltration and Improved Clinical Outcomes in High-grade Serous Ovarian Carcinoma. <i>Clinical Cancer Research</i> , 2016, 22, 4746-4755.  | 3.2 | 59        |
| 59 | Targeting the Tumor Microenvironment in Colorectal Peritoneal Metastases. <i>Trends in Cancer</i> , 2020, 6, 236-246.  | 3.8 | 58        |
| 60 | KrÄppel-like factors in cancer progression: three fingers on the steering wheel. <i>Oncotarget</i> , 2014, 5, 29-48.  | 0.8 | 58        |
| 61 | Growth Factor Modulation of Fibroblast Proliferation, Differentiation, and Invasion: Implications for Tissue Valve Engineering. <i>Tissue Engineering</i> , 2006, 12, 2707-2716.   | 4.9 | 51        |
| 62 | Vacuolar H <sup>+</sup> ATPase expression and activity is required for Rab27Bâ€dependent invasive growth and metastasis of breast cancer. <i>International Journal of Cancer</i> , 2013, 133, 843-854.   | 2.3 | 50        |
| 63 | The transcriptome of lung tumor-infiltrating dendritic cells reveals a tumor-supporting phenotype and a microRNA signature with negative impact on clinical outcome. <i>Oncolmunology</i> , 2017, 6, e1253655.   | 2.1 | 50        |
| 64 | Anti-inflammatory signaling by mammary tumor cells mediates prometastatic macrophage polarization in an innovative intraductal mouse model for triple-negative breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 191. | 3.5 | 50        |
| 65 | Urinary extracellular vesicle biomarkers in urological cancers: From discovery towards clinical implementation. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 99, 236-256.   | 1.2 | 48        |
| 66 | Commutators of PAR-1 signaling in cancer cell invasion reveal an essential role of the Rhoâ€Rho kinase axis and tumor microenvironment. <i>Oncogene</i> , 2005, 24, 8240-8251.   | 2.6 | 47        |
| 67 | Pretreatment with VEGF(R)-inhibitors reduces interstitial fluid pressure, increases intraperitoneal chemotherapy drug penetration, and impedes tumor growth in a mouse colorectal carcinomatosis model. <i>Oncotarget</i> , 2015, 6, 29889-29900.          | 0.8 | 46        |
| 68 | Requirement of both mucins and proteoglycans in cell-cell dissociation and invasiveness of colon carcinoma HT-29 cells. <i>International Journal of Cancer</i> , 2003, 104, 683-694.   | 2.3 | 45        |
| 69 | Resident and bone marrow-derived mesenchymal stem cells in head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2010, 46, 336-342.  | 0.8 | 45        |
| 70 | Tumor grafts derived from sarcoma patients retain tumor morphology, viability, and invasion potential and indicate disease outcomes in the chick chorioallantoic membrane model. <i>Cancer Letters</i> , 2012, 326, 69-78.                                 | 3.2 | 44        |
| 71 | The <em>In ovo</em> CAM-assay as a Xenograft Model for Sarcoma. <i>Journal of Visualized Experiments</i> , 2013, , e50522.   | 0.2 | 43        |
| 72 | Mesenchymal stem cell secreted platelet derived growth factor exerts a pro-migratory effect on resident Cardiac Atrial appendage Stem Cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 66, 177-188.                                      | 0.9 | 42        |

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|----|---|-----|-----------|
| 73 | Function of extracellular vesicle-associated miRNAs in metastasis. <i>Cell and Tissue Research</i> , 2016, 365, 621-641.  | 1.5 | 41        |
| 74 | Differential regulation of extracellular matrix protein expression in carcinoma-associated fibroblasts by TGF- $\beta$ 1 regulates cancer cell spreading but not adhesion. <i>Oncoscience</i> , 2014, 1, 634-648.   | 0.9 | 40        |
| 75 | Invasion of Retinal Pigment Epithelial Cells: N-cadherin, Hepatocyte Growth Factor, and Focal Adhesion Kinase. , 2003, 44, 463.   |     | 39        |
| 76 | The Extracellular Matrix Regulates Cancer Progression and Therapy Response: Implications for Prognosis and Treatment. <i>Current Pharmaceutical Design</i> , 2009, 15, 1373-1384.   | 0.9 | 39        |
| 77 | Radiation-induced lung damage promotes breast cancer lung-metastasis through CXCR4 signaling. <i>Oncotarget</i> , 2015, 6, 26615-26632.   | 0.8 | 39        |
| 78 | Targeted Liposome-Loaded Microbubbles for Cell-Specific Ultrasound-Triggered Drug Delivery. <i>Small</i> , 2013, 9, 4027-4035.  | 5.2 | 38        |
| 79 | MISpheroid: a knowledgebase and transparency tool for minimum information in spheroid identity. <i>Nature Methods</i> , 2021, 18, 1294-1303.  | 9.0 | 38        |
| 80 | Cancer-associated fibroblasts as target and tool in cancer therapeutics and diagnostics. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2015, 467, 367-382.  | 1.4 | 37        |
| 81 | Robust sequential biophysical fractionation of blood plasma to study variations in the biomolecular landscape of systemically circulating extracellular vesicles across clinical conditions. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12122.           | 5.5 | 37        |
| 82 | Disruption of STAT3 signaling leads to tumor cell invasion through alterations of homotypic cell-cell adhesion complexes. <i>Oncogene</i> , 2004, 23, 3317-3327.  | 2.6 | 36        |
| 83 | The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010, 1, 304-308.  | 0.8 | 36        |
| 84 | A 3D CFD model of the interstitial fluid pressure and drug distribution in heterogeneous tumor nodules during intraperitoneal chemotherapy. <i>Drug Delivery</i> , 2019, 26, 404-415.   | 2.5 | 35        |
| 85 | Activation of EGFR, HER2 and HER3 by neurotensin/neurotensin receptor 1 renders breast tumors aggressive yet highly responsive to lapatinib and metformin in mice. <i>Oncotarget</i> , 2014, 5, 8235-8251.  | 0.8 | 35        |
| 86 | The tandem PDZ domains of syntenin promote cell invasion. <i>Experimental Cell Research</i> , 2007, 313, 1790-1804.   | 1.2 | 34        |
| 87 | Tumor-environment biomimetics delay peritoneal metastasis formation by deceiving and redirecting disseminated cancer cells. <i>Biomaterials</i> , 2015, 54, 148-157.  | 5.7 | 34        |
| 88 | Developments and future clinical outlook of taxane nanomedicines. <i>Journal of Controlled Release</i> , 2017, 253, 137-152.  | 4.8 | 34        |
| 89 | Heterocellular 3D scaffolds as biomimetic to recapitulate the tumor microenvironment of peritoneal metastases <i>in vitro</i> and <i>in vivo</i> . <i>Biomaterials</i> , 2018, 158, 95-105.   | 5.7 | 34        |
| 90 | Histopathological characterization of ductal carcinoma in situ (DCIS) of the breast according to HER2 amplification status and molecular subtype. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014, 465, 275-289. | 1.4 | 33        |

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|-----|---|-----|-----------|
| 91  | Impact of neoadjuvant therapy on cancer-associated fibroblasts in rectal cancer. <i>Radiotherapy and Oncology</i> , 2015, 116, 449-454.   | 0.3 | 33        |
| 92  | Unveiling a CD70-positive subset of cancer-associated fibroblasts marked by pro-migratory activity and thriving regulatory T cell accumulation. <i>Oncolimmunology</i> , 2018, 7, e1440167.                                     | 2.1 | 33        |
| 93  | Soluble N-cadherin in human biological fluids. <i>International Journal of Cancer</i> , 2006, 119, 2895-2900.   | 2.3 | 32        |
| 94  | Rab27 GTPases Distribute Extracellular Nanomaps for Invasive Growth and Metastasis: Implications for Prognosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9883-9892.                         | 1.8 | 32        |
| 95  | Sonoprinting liposomes on tumor spheroids by microbubbles and ultrasound. <i>Journal of Controlled Release</i> , 2019, 316, 79-92.  | 4.8 | 32        |
| 96  | A supporting ecosystem to mature extracellular vesicles into clinical Application. <i>EMBO Journal</i> , 2019, 38, .  | 3.5 | 32        |
| 97  | Feasibility of Mechanical Extrusion to Coat Nanoparticles with Extracellular Vesicle Membranes. <i>Cells</i> , 2020, 9, 1797.   | 1.8 | 32        |
| 98  | Tunable self-assembled nanogels composed of well-defined thermoresponsive hyaluronic acid-polymer conjugates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3883.  | 2.9 | 31        |
| 99  | Stromal architecture and periductal decorin are potential prognostic markers for ipsilateral locoregional recurrence in ductal carcinoma <i>in situ</i> of the breast. <i>Histopathology</i> , 2013, 63, 520-533.               | 1.6 | 30        |
| 100 | Cancer Cell Lysate Entrapment in CaCO <sub>3</sub> Engineered with Polymeric TLR-Agonists: Immune-Modulating Microparticles in View of Personalized Antitumor Vaccination. <i>Chemistry of Materials</i> , 2017, 29, 4209-4217. | 3.2 | 30        |
| 101 | Delivery routes matter: Safety and efficacy of intratumoral immunotherapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1875, 188526.  | 3.3 | 30        |
| 102 | The secretory small GTPase Rab27B as a marker for breast cancer progression. <i>Oncotarget</i> , 2010, 1, 304-8.  | 0.8 | 29        |
| 103 | Recent exposure to ultrafine particles in school children alters miR-222 expression in the extracellular fraction of saliva. <i>Environmental Health</i> , 2016, 15, 80.  | 1.7 | 28        |
| 104 | An open data ecosystem for cell migration research. <i>Trends in Cell Biology</i> , 2015, 25, 55-58.  | 3.6 | 26        |
| 105 | Nanosopic tumor tissue distribution of platinum after intraperitoneal administration in a xenograft model of ovarian cancer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 256-262.                     | 1.4 | 26        |
| 106 | Germinal tumor invasion and the role of the testicular stroma. <i>International Journal of Developmental Biology</i> , 2004, 48, 545-557.   | 0.3 | 26        |
| 107 | A novel missense mutation (G43S) in the switch I region of Rab27A causing Griscelli syndrome. <i>Molecular Genetics and Metabolism</i> , 2008, 94, 248-254.   | 0.5 | 25        |
| 108 | Tumour tissue transport after intraperitoneal anticancer drug delivery. <i>International Journal of Hyperthermia</i> , 2017, 33, 534-542.   | 1.1 | 25        |



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|-----|---|-----|-----------|
| 109 | Preclinical evaluation of local prolonged release of paclitaxel from gelatin microspheres for the prevention of recurrence of peritoneal carcinomatosis in advanced ovarian cancer. <i>Scientific Reports</i> , 2019, 9, 14881.           | 1.6 | 25        |
| 110 | Comparative Profiling of Metastatic 4T1- vs. Non-metastatic Py230-Based Mammary Tumors in an Intraductal Model for Triple-Negative Breast Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 2928.  | 2.2 | 25        |
| 111 | Cell Line Derived Xenograft Mouse Models Are a Suitable <i>in vivo</i> Model for Studying Tumor Budding in Colorectal Cancer. <i>Frontiers in Medicine</i> , 2019, 6, 139.  | 1.2 | 24        |
| 112 | Cell surface clicking of antibody-recruiting polymers to metabolically azide-labeled cancer cells. <i>Chemical Communications</i> , 2019, 55, 10952-10955.  | 2.2 | 24        |
| 113 | Expression profiling of migrated and invaded breast cancer cells predicts early metastatic relapse and reveals KrÄppel-like factor 9 as a potential suppressor of invasive growth in breast cancer. <i>Oncoscience</i> , 2014, 1, 69-81. | 0.9 | 24        |
| 114 | Engineered (hep/pARC) <sub>2</sub> polyelectrolyte capsules for sustained release of bioactive TGF- $\beta$ 1. <i>Soft Matter</i> , 2012, 8, 1146-1154.   | 1.2 | 23        |
| 115 | Anti-angiogenic effects of mangiferin and mechanism of action in metastatic melanoma. <i>Melanoma Research</i> , 2020, 30, 39-51.   | 0.6 | 23        |
| 116 | Recombinant extracellular vesicles as biological reference material for method development, data normalization and assessment of (pre-)analytical variables. <i>Nature Protocols</i> , 2021, 16, 603-633.                                 | 5.5 | 23        |
| 117 | Discovery of (S)-3-hydroxyblebbistatin and (S)-3-aminoblebbistatin: polar myosin II inhibitors with superior research tool properties. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2104-2118.                                   | 1.5 | 22        |
| 118 | Hypoxia imaging with 18F-FAZA PET/CT predicts radiotherapy response in esophageal adenocarcinoma xenografts. <i>Radiation Oncology</i> , 2018, 13, 39.  | 1.2 | 22        |
| 119 | The mitochondrially-localized nucleoside diphosphate kinase D (NME4) is a novel metastasis suppressor. <i>BMC Biology</i> , 2021, 19, 228.  | 1.7 | 21        |
| 120 | Netrin-1 Induces Apoptosis in Human Cervical Tumor Cells via the TAp73 $\pm$ Tumor Suppressor. <i>Cancer Research</i> , 2008, 68, 8231-8239.  | 0.4 | 20        |
| 121 | Engineered 3D microporous gelatin scaffolds to study cell migration. <i>Chemical Communications</i> , 2012, 48, 3512.   | 2.2 | 20        |
| 122 | The stromal cell-surface protease fibroblast activation protein- $\beta$ localizes to lipid rafts and is recruited to invadopodia. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2515-2525.                | 1.9 | 20        |
| 123 | Data on <i>in vivo</i> selection of SK-OV-3 Luc ovarian cancer cells and intraperitoneal tumor formation with low inoculation numbers. <i>Data in Brief</i> , 2016, 6, 542-549.   | 0.5 | 20        |
| 124 | Transiently Responsive Block Copolymer Micelles Based on <i>N</i> -(2-Hydroxypropyl)methacrylamide Engineered with Hydrolyzable Ethylcarbonate Side Chains. <i>Biomacromolecules</i> , 2016, 17, 119-127.                                 | 2.6 | 20        |
| 125 | The ETS transcription factor ETV5 is a target of activated ALK in neuroblastoma contributing to increased tumour aggressiveness. <i>Scientific Reports</i> , 2020, 10, 218.   | 1.6 | 20        |
| 126 | P-cadherin counteracts myosin II-B function: implications in melanoma progression. <i>Molecular Cancer</i> , 2010, 9, 255.  | 7.9 | 19        |



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|-----|---|-----|-----------|
| 127 | Splenic Hematopoietic and Stromal Cells in Cancer Progression. <i>Cancer Research</i> , 2021, 81, 27-34.  | 0.4 | 19        |
| 128 | Metastasis-suppressor NME1 controls the invasive switch of breast cancer by regulating MT1-MMP surface clearance. <i>Oncogene</i> , 2021, 40, 4019-4032.  | 2.6 | 19        |
| 129 | Identification of a novel HER3 activating mutation homologous to EGFR-L858R in lung cancer. <i>Oncotarget</i> , 2016, 7, 3068-3083.   | 0.8 | 19        |
| 130 | SMARCAD1 knockdown uncovers its role in breast cancer cell migration, invasion, and metastasis. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1035-1043.   | 1.5 | 18        |
| 131 | Polyelectrolyte-Enrobed Cancer Cells in View of Personalized Immune-Therapy. <i>Advanced Science</i> , 2017, 4, 1700050.  | 5.6 | 18        |
| 132 | Intravasation of SW620 colon cancer cell spheroids through the blood endothelial barrier is inhibited by clinical drugs and flavonoids in vitro. <i>Food and Chemical Toxicology</i> , 2018, 111, 114-124.                            | 1.8 | 18        |
| 133 | Cellular and sub-cellular Cu isotope fractionation in the human neuroblastoma SH-SY5Y cell line: proliferating versus neuron-like cells. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4963-4971.                        | 1.9 | 18        |
| 134 | Preparation of Multi-omics Grade Extracellular Vesicles by Density-Based Fractionation of Urine. <i>STAR Protocols</i> , 2020, 1, 100073.   | 0.5 | 18        |
| 135 | FHL2: a scaffold protein of carcinogenesis, tumour-stroma interactions and treatment response. <i>Histology and Histopathology</i> , 2016, 31, 469-78.  | 0.5 | 18        |
| 136 | Systemically circulating bacterial extracellular vesicles: origin, fate, and function. <i>Trends in Microbiology</i> , 2022, 30, 213-216.   | 3.5 | 18        |
| 137 | Epithelial to mesenchymal transition influences fibroblast phenotype in colorectal cancer by altering miR-200 levels in extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .                                | 5.5 | 18        |
| 138 | ALK positively regulates MYCN activity through repression of HBP1 expression. <i>Oncogene</i> , 2019, 38, 2690-2705.  | 2.6 | 17        |
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