

# Jan BrÅbek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1319179/publications.pdf>

Version: 2024-02-01

72  
papers

3,191  
citations

218592

26  
h-index

161767

54  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4958  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Exosomes produced by melanoma cells significantly influence the biological properties of normal and cancer-associated fibroblasts. <i>Histochemistry and Cell Biology</i> , 2022, 157, 153-172.                 | 0.8 | 17        |
| 2  | Cancer-Associated Fibroblasts Influence the Biological Properties of Malignant Tumours via Paracrine Secretion and Exosome Production. <i>International Journal of Molecular Sciences</i> , 2022, 23, 964.      | 1.8 | 17        |
| 3  | Src kinase: Key effector in mechanosignalling. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 131, 105908.   | 1.2 | 13        |
| 4  | RNA-seq Characterization of Melanoma Phenotype Switch in 3D Collagen after p38 MAPK Inhibitor Treatment. <i>Biomolecules</i> , 2021, 11, 449.   | 1.8 | 2         |
| 5  | Targeting Mitochondrial Iron Metabolism Suppresses Tumor Growth and Metastasis by Inducing Mitochondrial Dysfunction and Mitophagy. <i>Cancer Research</i> , 2021, 81, 2289-2303.                               | 0.4 | 51        |
| 6  | TLR4-Mediated Recognition of Mouse Polyomavirus Promotes Cancer-Associated Fibroblast-Like Phenotype and Cell Invasiveness. <i>Cancers</i> , 2021, 13, 2076.  | 1.7 | 3         |
| 7  | Thermo- and ROS-Responsive Self-Assembled Polymer Nanoparticle Tracers for <sup>19</sup> F MRI Theranostics. <i>Biomacromolecules</i> , 2021, 22, 2325-2337.  | 2.6 | 24        |
| 8  | Estrogen Receptor Modulators in Viral Infections Such as SARS-CoV-2: Therapeutic Consequences. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6551.   | 1.8 | 14        |
| 9  | A homozygous stop-gain variant in ARHGAP42 is associated with childhood interstitial lung disease, systemic hypertension, and immunological findings. <i>PLoS Genetics</i> , 2021, 17, e1009639.                | 1.5 | 4         |
| 10 | Invadopodia Structure in 3D Environment Resolved by Near-Infrared Branding Protocol Combining Correlative Confocal and FIB-SEM Microscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7805. | 1.8 | 5         |
| 11 | The Analysis of Inflammation-Related Proteins in a Cargo of Exosomes Derived from the Serum of Uveal Melanoma Patients Reveals Potential Biomarkers of Disease Progression. <i>Cancers</i> , 2021, 13, 3334.    | 1.7 | 16        |
| 12 | Are We Ready for Migrastatics?. <i>Cells</i> , 2021, 10, 1845.  | 1.8 | 10        |
| 13 | Urea-functionalized organoselenium compounds as promising anti-HepG2 and apoptosis-inducing agents. <i>Future Medicinal Chemistry</i> , 2021, 13, 1655-1677.  | 1.1 | 19        |
| 14 | In-vitro screening with holographic incoherent quantitative phase imaging focuses on finding medicaments for repurposing as anti-metastatic agents designated as migrastatics. , 2021, , .                      |     | 0         |
| 15 | Interleukin-6: Molecule in the Intersection of Cancer, Ageing and COVID-19. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7937.  | 1.8 | 45        |
| 16 | A Screen for PKN3 Substrates Reveals an Activating Phosphorylation of ARHGAP18. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7769.  | 1.8 | 4         |
| 17 | Sustained Inflammatory Signalling through Stat1/Stat2/IRF9 Is Associated with Amoeboid Phenotype of Melanoma Cells. <i>Cancers</i> , 2020, 12, 2450.  | 1.7 | 3         |
| 18 | Raloxifene and Bazedoxifene Could Be Promising Candidates for Preventing the COVID-19 Related Cytokine Storm, ARDS and Mortality. <i>In Vivo</i> , 2020, 34, 3027-3028.   | 0.6 | 33        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Increased Level of Long Non-Coding RNA MALAT1 Is a Common Feature of Amoeboid Invasion. <i>Cancers</i> , 2020, 12, 1136.   | 1.7 | 4         |
| 20 | High-throughput transcriptomic and proteomic profiling of mesenchymal-amoeboid transition in 3D collagen. <i>Scientific Data</i> , 2020, 7, 160.                 | 2.4 | 15        |
| 21 | Role of Interleukin-6 in Lung Complications in Patients With COVID-19: Therapeutic Implications. <i>In Vivo</i> , 2020, 34, 1589-1592.                           | 0.6 | 23        |
| 22 | Vimentin Intermediate Filaments as Potential Target for Cancer Treatment. <i>Cancers</i> , 2020, 12, 184.  | 1.7 | 150       |
| 23 | Migrastatics – Anti-metastatic Drugs Targeting Cancer Cell Invasion. <i>Human Perspectives in Health Sciences and Technology</i> , 2020, , 203-211.              | 0.2 | 4         |
| 24 | Microtubule-targeting agents and their impact on cancer treatment. <i>European Journal of Cell Biology</i> , 2020, 99, 151075.                                   | 1.6 | 132       |
| 25 | Solid cancer: the new tumour spread endpoint opens novel opportunities. <i>British Journal of Cancer</i> , 2019, 121, 513-514.                                   | 2.9 | 10        |
| 26 | 6-Substituted purines as ROCK inhibitors with anti-metastatic activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103005.  | 2.0 | 7         |
| 27 | Migrastatics: Redirecting R&D in Solid Cancer Towards Metastasis?. <i>Trends in Cancer</i> , 2019, 5, 755-756.   | 3.8 | 25        |
| 28 | Novel FRET-Based Src Biosensor Reveals Mechanisms of Src Activation and Its Dynamics in Focal Adhesions. <i>Cell Chemical Biology</i> , 2019, 26, 255-268.e4.    | 2.5 | 14        |
| 29 | The interaction of p130Cas with $\text{PKN}^3$ promotes malignant growth. <i>Molecular Oncology</i> , 2019, 13, 264-289.   | 2.1 | 16        |
| 30 | Interleukin-6: a molecule with complex biological impact in cancer. <i>Histology and Histopathology</i> , 2019, 34, 125-136.                                     | 0.5 | 26        |
| 31 | Fibroblasts potentiate melanoma cells in vitro invasiveness induced by UV-irradiated keratinocytes. <i>Histochemistry and Cell Biology</i> , 2018, 149, 503-516. | 0.8 | 27        |
| 32 | Quantitative phase imaging unravels new insight into dynamics of mesenchymal and amoeboid cancer cell invasion. <i>Scientific Reports</i> , 2018, 8, 12020.      | 1.6 | 43        |
| 33 | RNA-seq of macrophages of amoeboid or mesenchymal migratory phenotype due to specific structure of environment. <i>Scientific Data</i> , 2018, 5, 180198.        | 2.4 | 13        |
| 34 | The role of focal adhesion anchoring domains of CAS in mechanotransduction. <i>Scientific Reports</i> , 2017, 7, 46233.  | 1.6 | 23        |
| 35 | Migrastatics – Anti-metastatic and Anti-invasion Drugs: Promises and Challenges. <i>Trends in Cancer</i> , 2017, 3, 391-406.                                     | 3.8 | 262       |
| 36 | ARHGAP42 is activated by Src-mediated tyrosine phosphorylation to promote cell motility. <i>Journal of Cell Science</i> , 2017, 130, 2382-2393.                  | 1.2 | 15        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Limits to Precision Cancer Medicine. <i>New England Journal of Medicine</i> , 2017, 376, 95-97.  | 13.9 | 19        |
| 38 | Structural characterization of CAS SH3 domain selectivity and regulation reveals new CAS interaction partners. <i>Scientific Reports</i> , 2017, 7, 8057.                            | 1.6  | 14        |
| 39 | Cancer, checkpoint inhibitors, and confusion. <i>Lancet Oncology</i> , The, 2017, 18, e632.  | 5.1  | 7         |
| 40 | Pragmatic medicine in solid cancer: a translational alternative to precision medicine. <i>OncoTargets and Therapy</i> , 2016, 9, 1839.   | 1.0  | 6         |
| 41 | Simultaneous blocking of IL-6 and IL-8 is sufficient to fully inhibit CAF-induced human melanoma cell invasiveness. <i>Histochemistry and Cell Biology</i> , 2016, 146, 205-217.     | 0.8  | 74        |
| 42 | Cell polarity signaling in the plasticity of cancer cell invasiveness. <i>Oncotarget</i> , 2016, 7, 25022-25049.   | 0.8  | 101       |
| 43 | PKC $\delta$ promotes the mesenchymal to amoeboid transition and increases cancer cell invasiveness. <i>BMC Cancer</i> , 2015, 15, 326.  | 1.1  | 13        |
| 44 | Wnt Signaling Cascades and the Roles of Syndecan Proteoglycans. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 465-480.  | 1.3  | 49        |
| 45 | Translation in solid cancer: are size-based response criteria an anachronism?. <i>Clinical and Translational Oncology</i> , 2015, 17, 1-10.  | 1.2  | 12        |
| 46 | Mechanosensors in integrin signaling: The emerging role of p130Cas. <i>European Journal of Cell Biology</i> , 2014, 93, 445-454.   | 1.6  | 105       |
| 47 | CAS directly interacts with vinculin to control mechanosensing and focal adhesion dynamics. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 727-744.                         | 2.4  | 55        |
| 48 | Invasive cells in animals and plants: searching for LECA machineries in later eukaryotic life. <i>Biology Direct</i> , 2013, 8, 8.   | 1.9  | 34        |
| 49 | Metastasis of aggressive amoeboid sarcoma cells is dependent on Rho/ROCK/MLC signaling. <i>Cell Communication and Signaling</i> , 2013, 11, 51.                                      | 2.7  | 32        |
| 50 | Drugs for solid cancer the productivity crisis prompts a rethink. <i>OncoTargets and Therapy</i> , 2013, 6, 767.   | 1.0  | 9         |
| 51 | Affordable cancer care. <i>Lancet Oncology</i> , The, 2012, 13, e2-e3.   | 5.1  | 5         |
| 52 | NG2-mediated Rho activation promotes amoeboid invasiveness of cancer cells. <i>European Journal of Cell Biology</i> , 2012, 91, 969-977.   | 1.6  | 14        |
| 53 | SH3 Domain Tyrosine Phosphorylation " Sites, Role and Evolution. <i>PLoS ONE</i> , 2012, 7, e36310.  | 1.1  | 30        |
| 54 | Tyrosine phosphorylation within the SH3 domain regulates CAS subcellular localization, cell migration, and invasiveness. <i>Molecular Biology of the Cell</i> , 2011, 22, 4256-4267. | 0.9  | 40        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | ROCK Inhibitors as Emerging Therapeutic Candidates for Sarcomas. <i>Current Cancer Drug Targets</i> , 2010, 10, 127-134.  | 0.8 | 21        |
| 56 | The molecular mechanisms of transition between mesenchymal and amoeboid invasiveness in tumor cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 63-71.   | 2.4 | 262       |
| 57 | The structure of invadopodia in a complex 3D environment. <i>European Journal of Cell Biology</i> , 2010, 89, 674-680.  | 1.6 | 71        |
| 58 | The role of the tissue microenvironment in the regulation of cancer cell motility and invasion. <i>Cell Communication and Signaling</i> , 2010, 8, 22.  | 2.7 | 154       |
| 59 | Neoplastic progression of the human breast cancer cell line G3S1 is associated with elevation of cytoskeletal dynamics and upregulation of MT1-MMP. <i>International Journal of Oncology</i> , 2010, 36, 833-9. | 1.4 | 10        |
| 60 | Src transformation of colonic epithelial cells: Enhanced anchorage-independent growth in an <i>Apc</i> <sup>+/min</sup> background. <i>Molecular Carcinogenesis</i> , 2009, 48, 156-166.                        | 1.3 | 3         |
| 61 | Confocal microscopy reveals <i>Myz1</i> and <i>Vth1</i> morphotypes as new signatures of malignancy progression. <i>Scanning</i> , 2009, 31, 102-106.   | 0.7 | 1         |
| 62 | Contractile forces in tumor cell migration. <i>European Journal of Cell Biology</i> , 2008, 87, 669-676.  | 1.6 | 154       |
| 63 | Global Impact of Oncogenic Src on a Phosphotyrosine Proteome. <i>Journal of Proteome Research</i> , 2008, 7, 3447-3460.   | 1.8 | 90        |
| 64 | Up-Regulation of Rho/ROCK Signaling in Sarcoma Cells Drives Invasion and Increased Generation of Protrusive Forces. <i>Molecular Cancer Research</i> , 2008, 6, 1410-1420.                                      | 1.5 | 96        |
| 65 | Crk-Associated Substrate Tyrosine Phosphorylation Sites Are Critical for Invasion and Metastasis of Src-Transformed Cells. <i>Molecular Cancer Research</i> , 2005, 3, 307-315.                                 | 1.5 | 107       |
| 66 | CAS promotes invasiveness of Src-transformed cells. <i>Oncogene</i> , 2004, 23, 7406-7415.  | 2.6 | 85        |
| 67 | Regulation and localization of CAS substrate domain tyrosine phosphorylation. <i>Cellular Signalling</i> , 2004, 16, 621-629.   | 1.7 | 60        |
| 68 | Assaying Protein Kinase Activity. , 2004, 284, 079-090.   |     | 9         |
| 69 | Focal adhesion kinase signaling activities and their implications in the control of cell survival and motility. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d982-996.                                  | 3.0 | 318       |
| 70 | The SH3 domain of Src can downregulate its kinase activity in the absence of the SH2 domain-pY527 interaction. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 664-670.                 | 1.0 | 19        |
| 71 | The Fission Yeast Ortholog of the Coregulator SKIP Interacts with the Small Subunit of U2AF. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 1148-1154.                                 | 1.0 | 23        |
| 72 | p130Cas. <i>The AFCS-nature Molecule Pages</i> , 0, , .   | 0.2 | 0         |