# Staffan Strmblad

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 67 papers | 4,661 citations | 29 h-index | 68 g-index |
| 75 ext. papers | 5,109 ext. citations | 9.4 avg, IF | 4.94 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 67 | Cancer biology: Hypoxia-induced talin tail-docking sparks cancer metastasis.. *Current Biology*, **2022**, 32, R79-R81 | 6.3 | 0 |
| 66 | Local temporal Rac1-GTP nadirs and peaks restrict cell protrusions and retractions.. *Science Advances*, **2022**, 8, eabl3667 | 14.3 | |
| 65 | A small-molecule ICMT inhibitor delays senescence of Hutchinson-Gilford progeria syndrome cells. *ELife*, **2021**, 10, | 8.9 | 5 |
| 64 | Why is PAK4 overexpressed in cancer?. *International Journal of Biochemistry and Cell Biology*, **2021**, 138, 106041 | 5.6 | 1 |
| 63 | New control of the senescence barrier in breast cancer. *Molecular and Cellular Oncology*, **2020**, 7, 1684129 | 1.2 | 0 |
| 62 | Community standards for open cell migration data. *GigaScience*, **2020**, 9, | 7.6 | 9 |
| 61 | Clathrin-containing adhesion complexes. *Journal of Cell Biology*, **2019**, 218, 2086-2095 | 7.3 | 26 |
| 60 | Retraction notice to:"Verification of cell viability in bioengineered tissues and organs before clinical transplantation " [BIOMATERIALS (2013) 4057-4067]. *Biomaterials*, **2019**, 199, 88 | 15.6 | 1 |
| 59 | PAK4 suppresses RELB to prevent senescence-like growth arrest in breast cancer. *Nature Communications*, **2019**, 10, 3589 | 17.4 | 18 |
| 58 | Normal mammary gland development after MMTV-Cre mediated conditional PAK4 gene depletion. *Scientific Reports*, **2019**, 9, 14436 | 4.9 | 1 |
| 57 | Active and inactive β1 integrins segregate into distinct nanoclusters in focal adhesions. *Journal of Cell Biology*, **2018**, 217, 1929-1940 | 7.3 | 52 |
| 56 | Inflammation-Sensitive Myosin-X Functionally Supports Leukocyte Extravasation by Cdc42-Mediated ICAM-1-Rich Endothelial Filopodia Formation. *Journal of Immunology*, **2018**, 200, 1790-1801 | 5.3 | 17 |
| 55 | Using Systems Microscopy to Understand the Emergence of Cell Migration from Cell Organization. *Methods in Molecular Biology*, **2018**, 1749, 119-134 | 1.4 | 2 |
| 54 | KIF13A-regulated RhoB plasma membrane localization governs membrane blebbing and blebby amoeboid cell migration. *EMBO Journal*, **2018**, 37, | 13 | 15 |
| 53 | Author Accountability in Biomedical Research. *Stem Cells and Development*, **2018**, 27, 1671-1673 | 4.4 | 2 |
| 52 | Reticular adhesions are a distinct class of cell-matrix adhesions that mediate attachment during mitosis. *Nature Cell Biology*, **2018**, 20, 1290-1302 | 23.4 | 65 |
| 51 | Pdx1-Cre-driven conditional gene depletion suggests PAK4 as dispensable for mouse pancreas development. *Scientific Reports*, **2017**, 7, 7031 | 4.9 | 3 |

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|---|---|---|---|
| 50 | Identification of the PAK4 interactome reveals PAK4 phosphorylation of N-WASP and promotion of Arp2/3-dependent actin polymerization. *Oncotarget*, **2017**, 8, 77061-77074 | 3.3 | 15 |
| 49 | An analysis toolbox to explore mesenchymal migration heterogeneity reveals adaptive switching between distinct modes. *ELife*, **2016**, 5, e11384 | 8.9 | 23 |
| 48 | Non-monotonic cellular responses to heterogeneity in talin protein expression-level. *Integrative Biology (United Kingdom)*, **2015**, 7, 1171-85 | 3.7 | 8 |
| 47 | A plastic relationship between vinculin-mediated tension and adhesion complex area defines adhesion size and lifetime. *Nature Communications*, **2015**, 6, 7524 | 17.4 | 30 |
| 46 | p21-activated kinase group II small compound inhibitor GNE-2861 perturbs estrogen receptor alpha signaling and restores tamoxifen-sensitivity in breast cancer cells. *Oncotarget*, **2015**, 6, 43853-68 | 3.3 | 32 |
| 45 | Disentangling Membrane Dynamics and Cell Migration; Differential Influences of F-actin and Cell-Matrix Adhesions. *PLoS ONE*, **2015**, 10, e0135204 | 3.7 | 12 |
| 44 | An open data ecosystem for cell migration research. *Trends in Cell Biology*, **2015**, 25, 55-8 | 18.3 | 21 |
| 43 | Early B cell factor 1 regulates adipocyte morphology and lipolysis in white adipose tissue. *Cell Metabolism*, **2014**, 19, 981-92 | 24.6 | 72 |
| 42 | Plasticity in the macromolecular-scale causal networks of cell migration. *PLoS ONE*, **2014**, 9, e90593 | 3.7 | 19 |
| 41 | Verification of cell viability in bioengineered tissues and organs before clinical transplantation. *Biomaterials*, **2013**, 34, 4057-4067 | 15.6 | 21 |
| 40 | Cell to extracellular matrix interactions and their reciprocal nature in cancer. *Experimental Cell Research*, **2013**, 319, 1663-70 | 4.2 | 39 |
| 39 | Molecular networks of DYX1C1 gene show connection to neuronal migration genes and cytoskeletal proteins. *Biological Psychiatry*, **2013**, 73, 583-90 | 7.9 | 31 |
| 38 | A feedback regulation between Kindlin-2 and GLI1 in prostate cancer cells. *FEBS Letters*, **2013**, 587, 631-8 | 3.8 | 20 |
| 37 | Focal adhesion disassembly is regulated by a RIAM to MEK-1 pathway. *Journal of Cell Science*, **2012**, 125, 5338-52 | 5.3 | 23 |
| 36 | Protein kinase C□(PKC□)regulates p53 localization and melanoma cell survival downstream of integrin □ in three-dimensional collagen and in vivo. *Journal of Biological Chemistry*, **2012**, 287, 29336-47 | 5.4 | 13 |
| 35 | Tracheobronchial transplantation with a stem-cell-seeded bioartificial nanocomposite: a proof-of-concept study. *Lancet, The*, **2011**, 378, 1997-2004 | 40 | 353 |
| 34 | Functional characterization of human Kindlin-2 core promoter identifies a key role of SP1 in Kindlin-2 transcriptional regulation. *Cellular and Molecular Biology Letters*, **2011**, 16, 638-51 | 8.1 | 1 |
| 33 | PRIMA-1Met/APR-246 induces wild-type p53-dependent suppression of malignant melanoma tumor growth in 3D culture and in vivo. *Cell Cycle*, **2011**, 10, 301-7 | 4.7 | 45 |

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|---|---|---|---|
| 32 | Rap1-GTP-interacting adaptor molecule (RIAM) protein controls invasion and growth of melanoma cells. *Journal of Biological Chemistry*, **2011**, 286, 18492-504 | 5.4 | 28 |
| 31 | p21-activated kinase 4 regulates ovarian cancer cell proliferation, migration, and invasion and contributes to poor prognosis in patients. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18622-7 | 11.5 | 139 |
| 30 | Integrin-mediated cell attachment induces a PAK4-dependent feedback loop regulating cell adhesion through modified integrin alpha v beta 5 clustering and turnover. *Molecular Biology of the Cell*, **2010**, 21, 3317-29 | 3.5 | 32 |
| 29 | PtdIns(3,4,5)P□s a regulator of myosin-X localization and filopodia formation. *Journal of Cell Science*, **2010**, 123, 3525-34 | 5.3 | 62 |
| 28 | p21-activated kinase 4 phosphorylation of integrin beta5 Ser-759 and Ser-762 regulates cell migration. *Journal of Biological Chemistry*, **2010**, 285, 23699-710 | 5.4 | 42 |
| 27 | WRAP53 is essential for Cajal body formation and for targeting the survival of motor neuron complex to Cajal bodies. *PLoS Biology*, **2010**, 8, e1000521 | 9.7 | 93 |
| 26 | Kindlin-2 controls sensitivity of prostate cancer cells to cisplatin-induced cell death. *Cancer Letters*, **2010**, 299, 54-62 | 9.9 | 29 |
| 25 | Systems microscopy: an emerging strategy for the life sciences. *Experimental Cell Research*, **2010**, 316, 1438-44 | 4.2 | 33 |
| 24 | Kindlin-2 is expressed in malignant mesothelioma and is required for tumor cell adhesion and migration. *International Journal of Cancer*, **2010**, 127, 1999-2008 | 7.5 | 50 |
| 23 | Cell-matrix adhesion complexes: master control machinery of cell migration. *Seminars in Cancer Biology*, **2008**, 18, 65-76 | 12.7 | 172 |
| 22 | Anchorage-independent cytokinesis as part of oncogenic transformation?. *Cell Cycle*, **2008**, 7, 984-8 | 4.7 | 25 |
| 21 | Oncogenic H-Ras V12 promotes anchorage-independent cytokinesis in human fibroblasts. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20338-43 | 11.5 | 24 |
| 20 | Integrin alphav-mediated inactivation of p53 controls a MEK1-dependent melanoma cell survival pathway in three-dimensional collagen. *Journal of Cell Biology*, **2004**, 167, 745-56 | 7.3 | 51 |
| 19 | Retinoblastoma susceptibility gene product (pRb) and p107 functionally separate the requirements for serum and anchorage in the cell cycle G1-phase. *Journal of Biological Chemistry*, **2004**, 279, 13640-4 | 5.4 | 14 |
| 18 | Myosin-X provides a motor-based link between integrins and the cytoskeleton. *Nature Cell Biology*, **2004**, 6, 523-31 | 23.4 | 284 |
| 17 | Recombinant CD44-HABD is a novel and potent direct angiogenesis inhibitor enforcing endothelial cell-specific growth inhibition independently of hyaluronic acid binding. *Oncogene*, **2004**, 23, 7874-81 | 9.2 | 11 |
| 16 | Use of an Immobilized Monoclonal Antibody to Examine Integrin alpha5beta1 Signaling Independent of Cell Spreading. *Biological Procedures Online*, **2002**, 4, 81-87 | 8.3 | 8 |
| 15 | Loss of p53 compensates for alpha v-integrin function in retinal neovascularization. *Journal of Biological Chemistry*, **2002**, 277, 13371-4 | 5.4 | 22 |

# List of Publications

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|---|---|---|---|
| 14 | P21-activated kinase 4 interacts with integrin alpha v beta 5 and regulates alpha v beta 5-mediated cell migration. *Journal of Cell Biology*, **2002**, 158, 1287-97 | 7.3 | 82 |
| 13 | Cell attachment to the extracellular matrix induces proteasomal degradation of p21(CIP1) via Cdc42/Rac1 signaling. *Molecular and Cellular Biology*, **2002**, 22, 4587-97 | 4.8 | 71 |
| 12 | RANTES promotes growth and survival of human first-trimester forebrain astrocytes. *Nature Cell Biology*, **2001**, 3, 150-7 | 23.4 | 71 |
| 11 | Branching out in tumour therapy. *Trends in Cell Biology*, **1998**, 8, 421-422 | 18.3 | |
| 10 | Integrin alphavbeta3 requirement for sustained mitogen-activated protein kinase activity during angiogenesis. *Journal of Cell Biology*, **1998**, 140, 1255-63 | 7.3 | 358 |
| 9 | The Role of Integrin ⊠3 in Cell Survival and Angiogenesis **1997**, 35-42 | | |
| 8 | Localization of matrix metalloproteinase MMP-2 to the surface of invasive cells by interaction with integrin alpha v beta 3. *Cell*, **1996**, 85, 683-93 | 56.2 | 1403 |
| 7 | Cell adhesion and angiogenesis. *Trends in Cell Biology*, **1996**, 6, 462-8 | 18.3 | 159 |
| 6 | Integrins, angiogenesis and vascular cell survival. *Chemistry and Biology*, **1996**, 3, 881-5 | | 160 |
| 5 | Requirement of receptor-bound urokinase-type plasminogen activator for integrin alphavbeta5-directed cell migration. *Journal of Biological Chemistry*, **1996**, 271, 29393-9 | 5.4 | 195 |
| 4 | Increased expression of and sensitivity to transforming growth factor-alpha: a promotive role during rat liver carcinogenesis. *Molecular Carcinogenesis*, **1994**, 10, 97-104 | 5 | 7 |
| 3 | The coupling between transforming growth factor-alpha and the epidermal growth factor receptor during rat liver regeneration. *Experimental Cell Research*, **1993**, 204, 321-8 | 4.2 | 33 |
| 2 | Community Standards for Open Cell Migration Data | | 3 |
| 1 | Normal mammary gland development after MMTV-Cre mediated conditional PAK4 gene depletion | | 1 |