

Rosalyn M Adam

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

5,158
citations

81743

39
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91712

69
g-index

115
all docs

115
docs citations

115
times ranked

8102
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Urinary Tract Infections in Children with Vesicoureteral Reflux Are Accompanied by Alterations in Urinary Microbiota and Metabolome Profiles. <i>European Urology</i> , 2022, 81, 151-154. | 0.9 | 11 |
| 2 | Autocrine Signaling of Neuropilin 1 Receptor Promotes Tumor Growth in Oral Squamous Cell Carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2022, 133, e146. | 0.2 | 0 |
| 3 | Smooth Muscle-Specific Deletion of Neuropilin-1 Increases Vascular Contractility and Blood Pressure. <i>FASEB Journal</i> , 2022, 36, . | 0.2 | 1 |
| 4 | Molecular mechanisms of esophageal epithelial regeneration following repair of surgical defects with acellular silk fibroin grafts. <i>Scientific Reports</i> , 2021, 11, 7086. | 1.6 | 3 |
| 5 | Interaction of TLK1 and AKTIP as a Potential Regulator of AKT Activation in Castration-Resistant Prostate Cancer Progression. <i>Pathophysiology</i> , 2021, 28, 339-354. | 1.0 | 7 |
| 6 | Knockin mouse models demonstrate differential contributions of synaptotagmin-1 and -2 as receptors for botulinum neurotoxins. <i>PLoS Pathogens</i> , 2021, 17, e1009994. | 2.1 | 2 |
| 7 | Integrated mRNA-miRNA transcriptome analysis of bladder biopsies from patients with bladder pain syndrome identifies signaling alterations contributing to the disease pathogenesis. <i>BMC Urology</i> , 2021, 21, 172. | 0.6 | 9 |
| 8 | Systems analysis of benign bladder disorders: insights from omics analysis. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F901-F910. | 1.3 | 2 |
| 9 | A Single Cell Dissociation Approach for Molecular Analysis of Urinary Bladder in the Mouse Following Spinal Cord Injury. <i>Journal of Visualized Experiments</i> , 2020, , . | 0.2 | 1 |
| 10 | Novel discoveries in urology: big data to microbiome - highlights of the society for basic urologic research 2019 annual meeting. <i>American Journal of Clinical and Experimental Urology</i> , 2020, 8, 73-75. | 0.4 | 0 |
| 11 | MCL1 and DEDD Promote Urothelial Carcinoma Progression. <i>Molecular Cancer Research</i> , 2019, 17, 1294-1304. | 1.5 | 4 |
| 12 | A multi-omics approach to understanding the field effect in bladder cancer. <i>Translational Andrology and Urology</i> , 2019, 8, 775-778. | 0.6 | 1 |
| 13 | An Inhibitory Ligand of Neuropilin 2 Blocks Pancreatic Cancer Progression and Impedes Tumor Angiogenesis. <i>FASEB Journal</i> , 2019, 33, 368.7. | 0.2 | 0 |
| 14 | Altered Gut Motility in Mice Lacking Neuropilin 2 in Smooth Muscle. <i>FASEB Journal</i> , 2019, 33, 496.31. | 0.2 | 2 |
| 15 | The role of the mucosa in modulation of evoked responses in the spinal cord injured rat bladder. <i>Neurourology and Urodynamics</i> , 2018, 37, 1583-1593. | 0.8 | 9 |
| 16 | Genome-wide CRISPR screens for Shiga toxins and ricin reveal Golgi proteins critical for glycosylation. <i>PLoS Biology</i> , 2018, 16, e2006951. | 2.6 | 56 |
| 17 | Inosine â€“ a Multifunctional Treatment for Complications of Neurologic Injury. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 2293-2303. | 1.1 | 30 |
| 18 | Immunology, Immunotherapy, and Translating Basic Science into the Clinic for Bladder Cancer. <i>Bladder Cancer</i> , 2018, 4, 429-440. | 0.2 | 5 |

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|----|--|-----|-----------|
| 19 | Heparin-Binding Epidermal Growth Factor- α -Like Growth Factor as a Critical Mediator of Tissue Repair and Regeneration. <i>American Journal of Pathology</i> , 2018, 188, 2446-2456. | 1.9 | 66 |
| 20 | Concordant miRNA and mRNA expression profiles in humans and mice with bladder outlet obstruction. <i>American Journal of Clinical and Experimental Urology</i> , 2018, 6, 219-233. | 0.4 | 2 |
| 21 | MYC Mediates Large Oncosome-Induced Fibroblast Reprogramming in Prostate Cancer. <i>Cancer Research</i> , 2017, 77, 2306-2317. | 0.4 | 119 |
| 22 | The Cytotoxicity and Genotoxicity of Particulate and Soluble Cobalt in Human Urothelial Cells. <i>Biological Trace Element Research</i> , 2017, 180, 48-55. | 1.9 | 5 |
| 23 | Inosine attenuates spontaneous activity in the rat neurogenic bladder through an A2B pathway. <i>Scientific Reports</i> , 2017, 7, 44416. | 1.6 | 16 |
| 24 | Mode of Surgical Injury Influences the Source of Urothelial Progenitors during Bladder Defect Repair. <i>Stem Cell Reports</i> , 2017, 9, 2005-2017. | 2.3 | 18 |
| 25 | Deletion of neuropilin 2 enhances detrusor contractility following bladder outlet obstruction. <i>JCI Insight</i> , 2017, 2, e90617. | 2.3 | 11 |
| 26 | Inflammation and Lymphedema Are Exacerbated and Prolonged by Neuropilin 2 Deficiency. <i>American Journal of Pathology</i> , 2016, 186, 2803-2812. | 1.9 | 36 |
| 27 | Hexavalent chromium induces chromosome instability in human urothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2016, 296, 54-60. | 1.3 | 35 |
| 28 | Inosine Improves Neurogenic Detrusor Overactivity following Spinal Cord Injury. <i>PLoS ONE</i> , 2015, 10, e0141492. | 1.1 | 19 |
| 29 | Mutations in TBX18 Cause Dominant Urinary Tract Malformations via Transcriptional Dysregulation of Ureter Development. <i>American Journal of Human Genetics</i> , 2015, 97, 291-301. | 2.6 | 72 |
| 30 | Regulation of microtubule dynamics by DIAPH3 influences amoeboid tumor cell mechanics and sensitivity to taxanes. <i>Scientific Reports</i> , 2015, 5, 12136. | 1.6 | 48 |
| 31 | Dynamic reciprocity in cell-scaffold interactions. <i>Advanced Drug Delivery Reviews</i> , 2015, 82-83, 77-85. | 6.6 | 15 |
| 32 | Molecular mechanisms of squamous differentiation in urothelial cell carcinoma: A paradigm for molecular subtyping of urothelial cell carcinoma of the bladder. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2015, 33, 444-450. | 0.8 | 15 |
| 33 | Platelet Derived Growth Factor Has a Role in Pressure Induced Bladder Smooth Muscle Cell Hyperplasia and Acts in a Paracrine Way. <i>Journal of Urology</i> , 2015, 194, 1797-1805. | 0.2 | 11 |
| 34 | Progress made in the use of animal models for the study of high-risk, nonmuscle invasive bladder cancer. <i>Current Opinion in Urology</i> , 2014, 24, 512-516. | 0.9 | 5 |
| 35 | Integration of proteomic and transcriptomic profiles identifies a novel PDGF-MYC network in human smooth muscle cells. <i>Cell Communication and Signaling</i> , 2014, 12, 44. | 2.7 | 24 |
| 36 | The use of bi-layer silk fibroin scaffolds and small intestinal submucosa matrices to support bladder tissue regeneration in a rat model of spinal cord injury. <i>Biomaterials</i> , 2014, 35, 7452-7459. | 5.7 | 54 |

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|----|---|-----|-----------|
| 37 | Acellular Bi-Layer Silk Fibroin Scaffolds Support Tissue Regeneration in a Rabbit Model of Onlay Urethroplasty. PLoS ONE, 2014, 9, e91592. | 1.1 | 42 |
| 38 | The performance of silk scaffolds in a rat model of augmentation cystoplasty. Biomaterials, 2013, 34, 4758-4765. | 5.7 | 64 |
| 39 | The impact of discrete modes of spinal cord injury on bladder muscle contractility. BMC Urology, 2013, 13, 24. | 0.6 | 14 |
| 40 | When urothelial differentiation pathways go wrong: Implications for bladder cancer development and progression. Urologic Oncology: Seminars and Original Investigations, 2013, 31, 802-811. | 0.8 | 33 |
| 41 | Loss of caveolin-1 in prostate cancer stroma correlates with reduced relapse-free survival and is functionally relevant to tumour progression. Journal of Pathology, 2013, 231, 77-87. | 2.1 | 93 |
| 42 | Bladder tissue regeneration using acellular bi-layer silk scaffolds in a large animal model of augmentation cystoplasty. Biomaterials, 2013, 34, 8681-8689. | 5.7 | 73 |
| 43 | Retinoid Signaling in Progenitors Controls Specification and Regeneration of the Urothelium. Developmental Cell, 2013, 26, 469-482. | 3.1 | 135 |
| 44 | Loss of Sh3gl2/Endophilin A1 Is a Common Event in Urothelial Carcinoma that Promotes Malignant Behavior. Neoplasia, 2013, 15, 749-IN16. | 2.3 | 28 |
| 45 | JunB Mediates Basal- and TGF β 1-Induced Smooth Muscle Cell Contractility. PLoS ONE, 2013, 8, e53430. | 1.1 | 15 |
| 46 | Evaluation of Silk Biomaterials in Combination with Extracellular Matrix Coatings for Bladder Tissue Engineering with Primary and Pluripotent Cells. PLoS ONE, 2013, 8, e56237. | 1.1 | 47 |
| 47 | Inhibition of TNF α Improves the Bladder Dysfunction That Is Associated With Type 2 Diabetes. Diabetes, 2012, 61, 2134-2145. | 0.3 | 57 |
| 48 | Increased Smooth Muscle Contractility in Mice Deficient for Neuropilin 2. American Journal of Pathology, 2012, 181, 548-559. | 1.9 | 26 |
| 49 | Large Oncosomes in Human Prostate Cancer Tissues and in the Circulation of Mice with Metastatic Disease. American Journal of Pathology, 2012, 181, 1573-1584. | 1.9 | 321 |
| 50 | DIAPH3 governs the cellular transition to the amoeboid tumour phenotype. EMBO Molecular Medicine, 2012, 4, 743-760. | 3.3 | 92 |
| 51 | FosB Regulates Stretch-Induced Expression of Extracellular Matrix Proteins in Smooth Muscle. American Journal of Pathology, 2011, 179, 2977-2989. | 1.9 | 34 |
| 52 | The effect of manipulation of silk scaffold fabrication parameters on matrix performance in a murine model of bladder augmentation. Biomaterials, 2011, 32, 7562-7570. | 5.7 | 39 |
| 53 | An hTERT-immortalized human urothelial cell line that responds to anti-proliferative factor. In Vitro Cellular and Developmental Biology - Animal, 2011, 47, 2-9. | 0.7 | 40 |
| 54 | Evaluation of gel spun silk-based biomaterials in a murine model of bladder augmentation. Biomaterials, 2011, 32, 808-818. | 5.7 | 95 |

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|----|--|-----|-----------|
| 55 | A Tbx1-Six1/Eya1-Fgf8 genetic pathway controls mammalian cardiovascular and craniofacial morphogenesis. <i>Journal of Clinical Investigation</i> , 2011, 121, 1585-1595. | 3.9 | 123 |
| 56 | Fluidization and Resolidification of the Human Bladder Smooth Muscle Cell in Response to Transient Stretch. <i>PLoS ONE</i> , 2010, 5, e12035. | 1.1 | 94 |
| 57 | An Akt- and Fra-1-Dependent Pathway Mediates Platelet-Derived Growth Factor-Induced Expression of Thrombomodulin, a Novel Regulator of Smooth Muscle Cell Migration. <i>American Journal of Pathology</i> , 2010, 177, 119-131. | 1.9 | 24 |
| 58 | All-Trans Retinoic Acid Directs Urothelial Specification of Murine Embryonic Stem Cells via GATA4/6 Signaling Mechanisms. <i>PLoS ONE</i> , 2010, 5, e11513. | 1.1 | 57 |
| 59 | Oncosome Formation in Prostate Cancer: Association with a Region of Frequent Chromosomal Deletion in Metastatic Disease. <i>Cancer Research</i> , 2009, 69, 5601-5609. | 0.4 | 325 |
| 60 | Heterogeneous Nuclear Ribonucleoprotein K Is a Novel Regulator of Androgen Receptor Translation. <i>Cancer Research</i> , 2009, 69, 2210-2218. | 0.4 | 51 |
| 61 | Rapid preparation of nuclei-depleted detergent-resistant membrane fractions suitable for proteomics analysis. <i>BMC Cell Biology</i> , 2008, 9, 30. | 3.0 | 44 |
| 62 | Caveolin-1 interacts with a lipid raft-associated population of fatty acid synthase. <i>Cell Cycle</i> , 2008, 7, 2257-2267. | 1.3 | 80 |
| 63 | The Zinc Finger Protein Ras-Responsive Element Binding Protein-1 Is a Coregulator of the Androgen Receptor: Implications for the Role of the Ras Pathway in Enhancing Androgenic Signaling in Prostate Cancer. <i>Molecular Endocrinology</i> , 2007, 21, 2056-2070. | 3.7 | 48 |
| 64 | Cholesterol Sensitivity of Endogenous and Myristoylated Akt. <i>Cancer Research</i> , 2007, 67, 6238-6246. | 0.4 | 114 |
| 65 | The pro-apoptotic kinase Mst1 and its caspase cleavage products are direct inhibitors of Akt1. <i>EMBO Journal</i> , 2007, 26, 4523-4534. | 3.5 | 116 |
| 66 | Measurement of plasma levels of vascular endothelial growth factor in prostate cancer patients: relationship with clinical stage, Gleason score, prostate volume, and serum prostate-specific antigen. <i>Clinics</i> , 2006, 61, 401-8. | 0.6 | 35 |
| 67 | Inhibition of EGFR signaling abrogates smooth muscle proliferation resulting from sustained distension of the urinary bladder. <i>Laboratory Investigation</i> , 2006, 86, 1293-1302. | 1.7 | 19 |
| 68 | Behavioral Profiling of Human Transitional Cell Carcinoma Ex vivo. <i>Cancer Research</i> , 2006, 66, 3078-3086. | 0.4 | 18 |
| 69 | Recent Insights into the Cell Biology of Bladder Smooth Muscle. <i>Nephron Experimental Nephrology</i> , 2006, 102, e1-e7. | 2.4 | 13 |
| 70 | JNK/SAPK and p38 SAPK-2 Mediate Mechanical Stretch-Induced Apoptosis via Caspase-3 and -9 in NRK-52E Renal Epithelial Cells. <i>Nephron Experimental Nephrology</i> , 2006, 102, e49-e61. | 2.4 | 39 |
| 71 | Growth and stretch response of human exstrophy bladder smooth muscle cells: molecular evidence of normal intrinsic function. <i>BJU International</i> , 2005, 95, 144-148. | 1.3 | 6 |
| 72 | Tumor cell-associated neuropilin-1 and vascular endothelial growth factor expression as determinants of tumor growth in neuroblastoma. <i>Neuropathology</i> , 2005, 25, 178-187. | 0.7 | 26 |

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|----|---|-----|-----------|
| 73 | An oxidative stress mechanism mediates chelerythrine-induced heparin-binding EGF-like growth factor ectodomain shedding. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 39-49. | 1.2 | 21 |
| 74 | A quantitative proteomic analysis of growth factor-induced compositional changes in lipid rafts of human smooth muscle cells. <i>Proteomics</i> , 2005, 5, 4733-4742. | 1.3 | 60 |
| 75 | Trafficking of Nuclear Heparin-Binding Epidermal Growth Factor-like Growth Factor into an Epidermal Growth Factor Receptor-dependent Autocrine Loop in Response to Oxidative Stress. <i>Cancer Research</i> , 2005, 65, 8242-8249. | 0.4 | 34 |
| 76 | Induction of Smooth Muscle Cell-Like Phenotype in Marrow-Derived Cells among Regenerating Urinary Bladder Smooth Muscle Cells. <i>American Journal of Pathology</i> , 2005, 166, 565-573. | 1.9 | 99 |
| 77 | Cholesterol targeting alters lipid raft composition and cell survival in prostate cancer cells and xenografts. <i>Journal of Clinical Investigation</i> , 2005, 115, 959-968. | 3.9 | 454 |
| 78 | Mechanical stretch is a highly selective regulator of gene expression in human bladder smooth muscle cells. <i>Physiological Genomics</i> , 2004, 20, 36-44. | 1.0 | 91 |
| 79 | Calcium regulates the PI3K-Akt pathway in stretched osteoblasts. <i>FEBS Letters</i> , 2003, 536, 193-197. | 1.3 | 159 |
| 80 | A nuclear form of the heparin-binding epidermal growth factor-like growth factor precursor is a feature of aggressive transitional cell carcinoma. <i>Cancer Research</i> , 2003, 63, 484-90. | 0.4 | 38 |
| 81 | Heparin-Binding Epidermal Growth Factor-Like Growth Factor Stimulates Androgen-Independent Prostate Tumor Growth and Antagonizes Androgen Receptor Function. <i>Endocrinology</i> , 2002, 143, 4599-4608. | 1.4 | 55 |
| 82 | The decision to undergo DNA or protein synthesis is determined by the degree of mechanical deformation in human bladder muscle cells. <i>Urology</i> , 2002, 59, 779-783. | 0.5 | 26 |
| 83 | Calcium-Selective Ion Channel, CaT1, Is Apically Localized in Gastrointestinal Tract Epithelia and Is Aberrantly Expressed in Human Malignancies. <i>Laboratory Investigation</i> , 2002, 82, 1755-1764. | 1.7 | 222 |
| 84 | Activation of the Erk mitogen-activated protein kinase pathway stimulates neuroendocrine differentiation in LNCaP cells independently of cell cycle withdrawal and STAT3 phosphorylation. <i>Cancer Research</i> , 2002, 62, 1549-54. | 0.4 | 75 |
| 85 | CaT1 Expression Correlates with Tumor Grade in Prostate Cancer. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 729-734. | 1.0 | 165 |
| 86 | HEPARIN-BINDING EPIDERMAL GROWTH FACTOR-LIKE GROWTH FACTOR IS AN AUTOCRINE MEDIATOR OF HUMAN PROSTATE STROMAL CELL GROWTH IN VITRO. <i>Journal of Urology</i> , 2001, 165, 284-288. | 0.2 | 11 |
| 87 | A novel method for implantation of LNCaP prostate tumor cells under the renal capsule. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2001, 37, 360-362. | 0.7 | 3 |
| 88 | Heparin-Binding EGF-Like Growth Factor Is Up-Regulated in the Obstructed Kidney in a Cell- and Region-Specific Manner and Acts to Inhibit Apoptosis. <i>American Journal of Pathology</i> , 2000, 156, 889-898. | 1.9 | 52 |
| 89 | Plasma levels of vascular endothelial growth factor are increased in patients with metastatic prostate cancer. <i>Urology</i> , 1999, 54, 523-527. | 0.5 | 245 |
| 90 | Heparin-binding EGF-like growth factor in the human prostate: Synthesis predominantly by interstitial and vascular smooth muscle cells and action as a carcinoma cell mitogen. , 1998, 68, 328-338. | | 38 |

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|----|--|-----|-----------|
| 91 | Extracellular calcium influx stimulates metalloproteinase cleavage and secretion of heparin-binding EGF-like growth factor independently of protein kinase C. , 1998, 69, 143-153. | | 103 |
| 92 | Induction of Anchorage-Independent Growth by Amphiregulin. Growth Factors, 1996, 13, 193-203. | 0.5 | 11 |