

Susann M Brady-Kalnay

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,405
citations

236925

25
h-index

206112

48
g-index

58
all docs

58
docs citations

58
times ranked

2925
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Small Molecule-Based Prodrug Targeting Prostate Specific Membrane Antigen for the Treatment of Prostate Cancer. <i>Cancers</i> , 2021, 13, 417. | 3.7 | 16 |
| 2 | Ultrasound-Based Molecular Imaging of Tumors with PTPmu Biomarker-Targeted Nanobubble Contrast Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1983. | 4.1 | 14 |
| 3 | Physically cross-linked poly(vinyl alcohol) cell culture plate coatings facilitate preservation of cell-cell interactions, spheroid formation, and stemness. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1744-1753. | 3.4 | 19 |
| 4 | Detection of Tumor-Specific PTPmu in Gynecological Cancer and Patient Derived Xenografts. <i>Diagnostics</i> , 2021, 11, 181. | 2.6 | 5 |
| 5 | Photodynamic Therapy Is an Effective Adjuvant Therapy for Image-Guided Surgery in Prostate Cancer. <i>Cancer Research</i> , 2020, 80, 156-162. | 0.9 | 36 |
| 6 | PTPmu-targeted nanoparticles label invasive pediatric and adult glioblastoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102216. | 3.3 | 10 |
| 7 | A PTPmu Biomarker is Associated with Increased Survival in Gliomas. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2372. | 4.1 | 4 |
| 8 | Dynamic, Simultaneous Concentration Mapping of Multiple MRI Contrast Agents with Dual Contrast - Magnetic Resonance Fingerprinting. <i>Scientific Reports</i> , 2019, 9, 19888. | 3.3 | 6 |
| 9 | Quantitative Molecular Imaging with a Single Gd-Based Contrast Agent Reveals Specific Tumor Binding and Retention in Vivo. <i>Analytical Chemistry</i> , 2017, 89, 5932-5939. | 6.5 | 13 |
| 10 | Dual Contrast - Magnetic Resonance Fingerprinting (DC-MRF): A Platform for Simultaneous Quantification of Multiple MRI Contrast Agents. <i>Scientific Reports</i> , 2017, 7, 8431. | 3.3 | 27 |
| 11 | Dynamic Quantitative T1 Mapping in Orthotopic Brain Tumor Xenografts. <i>Translational Oncology</i> , 2016, 9, 147-154. | 3.7 | 10 |
| 12 | Fluorescent-Guided Surgical Resection of Glioma with Targeted Molecular Imaging Agents: A Literature Review. <i>World Neurosurgery</i> , 2016, 90, 154-163. | 1.3 | 31 |
| 13 | Molecular Imaging of Tumors Using a Quantitative T1 Mapping Technique via Magnetic Resonance Imaging. <i>Diagnostics</i> , 2015, 5, 318-332. | 2.6 | 15 |
| 14 | Regulation of development and cancer by the R2B subfamily of RPTPs and the implications of proteolysis. <i>Seminars in Cell and Developmental Biology</i> , 2015, 37, 108-118. | 5.0 | 26 |
| 15 | Treatment of Invasive Brain Tumors Using a Chain-like Nanoparticle. <i>Cancer Research</i> , 2015, 75, 1356-1365. | 0.9 | 63 |
| 16 | A Protease Storm Cleaves a Cell-Cell Adhesion Molecule in Cancer: Multiple Proteases Converge to Regulate PTPmu in Glioma Cells. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1609-1623. | 2.6 | 15 |
| 17 | Peptide targeted high-resolution molecular imaging of prostate cancer with MRI. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 525-36. | 1.0 | 13 |
| 18 | Molecular Magnetic Resonance Imaging of Tumors with a PTPmu Targeted Contrast Agent. <i>Translational Oncology</i> , 2013, 6, 329-337. | 3.7 | 13 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Single cell molecular recognition of migrating and invading tumor cells using a targeted fluorescent probe to receptor PTP μ . <i>International Journal of Cancer</i> , 2013, 132, 1624-1632. | 5.1 | 19 |
| 20 | Protein tyrosine phosphatase μ regulates glioblastoma cell growth and survival in vivo. <i>Neuro-Oncology</i> , 2012, 14, 561-573. | 1.2 | 17 |
| 21 | Molecular mechanisms of cancer cell-cell interactions. <i>Cell Adhesion and Migration</i> , 2012, 6, 344-345. | 2.7 | 7 |
| 22 | Cryo-image Analysis of Tumor Cell Migration, Invasion, and Dispersal in a Mouse Xenograft Model of Human Glioblastoma Multiforme. <i>Molecular Imaging and Biology</i> , 2012, 14, 572-583. | 2.6 | 27 |
| 23 | Synthesis and Evaluation of a Peptide Targeted Small Molecular Gd-DOTA Monoamide Conjugate for MR Molecular Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2012, 23, 1548-1556. | 3.6 | 29 |
| 24 | Identification of phospholipase C γ 1 as a protein tyrosine phosphatase μ substrate that regulates cell migration. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 39-48. | 2.6 | 25 |
| 25 | Novel Cryo-Imaging of the Glioma Tumor Microenvironment Reveals Migration and Dispersal Pathways in Vivid Three-Dimensional Detail. <i>Cancer Research</i> , 2011, 71, 5932-5940. | 0.9 | 48 |
| 26 | Tumor-Derived Extracellular Fragments of Receptor Protein Tyrosine Phosphatases (RPTPs) as Cancer Molecular Diagnostic Tools. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 133-140. | 1.7 | 16 |
| 27 | Cancer Cells Cut Homophilic Cell Adhesion Molecules and Run. <i>Cancer Research</i> , 2011, 71, 303-309. | 0.9 | 52 |
| 28 | Should I stay or should I go? Shedding of RPTPs in cancer cells switches signals from stabilizing cell-cell adhesion to driving cell migration. <i>Cell Adhesion and Migration</i> , 2011, 5, 298-305. | 2.7 | 23 |
| 29 | Characterization of the Adhesive Properties of the Type IIb Subfamily Receptor Protein Tyrosine Phosphatases. <i>Cell Communication and Adhesion</i> , 2010, 17, 34-47. | 1.0 | 24 |
| 30 | Distinct PTP μ -associated signaling molecules differentially regulate neurite outgrowth on E-, N-, and R-cadherin. <i>Molecular and Cellular Neurosciences</i> , 2010, 44, 78-93. | 2.2 | 33 |
| 31 | Stimulation of N-cadherin-dependent neurite outgrowth by small molecule peptide mimetic agonists of the N-cadherin HAV motif. <i>Peptides</i> , 2010, 31, 842-849. | 2.4 | 10 |
| 32 | A Novel Molecular Diagnostic of Glioblastomas: Detection of an Extracellular Fragment of Protein Tyrosine Phosphatase μ . <i>Neoplasia</i> , 2010, 12, 305-IN2. | 5.3 | 39 |
| 33 | Cancer-Derived Mutations in the Fibronectin III Repeats of PTPRT/PTP μ Inhibit Cell-Cell Aggregation. <i>Cell Communication and Adhesion</i> , 2010, 16, 146-153. | 1.0 | 25 |
| 34 | PTP μ suppresses glioma cell migration and dispersal. <i>Neuro-Oncology</i> , 2009, 11, 767-778. | 1.2 | 52 |
| 35 | Proteolytic Cleavage of Protein Tyrosine Phosphatase μ Regulates Glioblastoma Cell Migration. <i>Cancer Research</i> , 2009, 69, 6960-6968. | 0.9 | 64 |
| 36 | Novel peptide mimetic small molecules of the HAV motif in N-cadherin inhibit N-cadherin-mediated neurite outgrowth and cell adhesion. <i>Peptides</i> , 2009, 30, 2380-2387. | 2.4 | 23 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | BCCIP associates with the receptor protein tyrosine phosphatase PTP μ . Journal of Cellular Biochemistry, 2008, 105, 1059-1072. | 2.6 | 10 |
| 38 | Tumor-Derived Extracellular Mutations of PTPRT/PTP β Are Defective in Cell Adhesion. Molecular Cancer Research, 2008, 6, 1106-1113. | 3.4 | 44 |
| 39 | Rho GTPases regulate PTP β -mediated nasal neurite outgrowth and temporal repulsion of retinal ganglion cell neurons. Molecular and Cellular Neurosciences, 2007, 34, 453-467. | 2.2 | 9 |
| 40 | E-cadherin promotes retinal ganglion cell neurite outgrowth in a protein tyrosine phosphatase- μ -dependent manner. Molecular and Cellular Neurosciences, 2007, 34, 481-492. | 2.2 | 29 |
| 41 | Protein-tyrosine Phosphatase (PTP) Wedge Domain Peptides. Journal of Biological Chemistry, 2006, 281, 16482-16492. | 3.4 | 60 |
| 42 | The Receptor Protein-tyrosine Phosphatase PTP β Interacts with IQGAP1. Journal of Biological Chemistry, 2006, 281, 4903-4910. | 3.4 | 28 |
| 43 | PTP β expression and catalytic activity are required for PTP β -mediated neurite outgrowth and repulsion. Molecular and Cellular Neurosciences, 2005, 28, 177-188. | 2.2 | 18 |
| 44 | Receptor protein tyrosine phosphatases regulate neural development and axon guidance. Developmental Biology, 2004, 275, 12-22. | 2.0 | 75 |
| 45 | PTP β signaling via PKC ζ is instructive for retinal ganglion cell guidance. Molecular and Cellular Neurosciences, 2004, 25, 558-571. | 2.2 | 25 |
| 46 | PTP β -dependent growth cone rearrangement is regulated by Cdc42. Journal of Neurobiology, 2003, 56, 199-208. | 3.6 | 13 |
| 47 | The receptor protein tyrosine phosphatase μ , PTP β , regulates histogenesis of the chick retina. Developmental Biology, 2003, 264, 106-118. | 2.0 | 13 |
| 48 | β 1 integrin-CD151, a component of the cadherin-catenin complex, regulates PTP β expression and cell-cell adhesion. Journal of Cell Biology, 2003, 163, 1351-1362. | 5.2 | 145 |
| 49 | Expression of the Receptor Protein-tyrosine Phosphatase, PTP β , Restores E-cadherin-dependent Adhesion in Human Prostate Carcinoma Cells. Journal of Biological Chemistry, 2002, 277, 11165-11173. | 3.4 | 79 |
| 50 | Protein Kinase C ζ (PKC ζ) Is Required for Protein Tyrosine Phosphatase β (PTP β)-Dependent Neurite Outgrowth. Molecular and Cellular Neurosciences, 2002, 19, 292-306. | 2.2 | 51 |
| 51 | Protein Tyrosine Phosphatase- β Differentially Regulates Neurite Outgrowth of Nasal and Temporal Neurons in the Retina. Journal of Neuroscience, 2002, 22, 3615-3627. | 3.6 | 32 |
| 52 | Signal Transduction in Neuronal Migration. Cell, 2001, 107, 209-221. | 28.9 | 515 |
| 53 | The PTP β Protein-tyrosine Phosphatase Binds and Recruits the Scaffolding Protein RACK1 to Cell-Cell Contacts. Journal of Biological Chemistry, 2001, 276, 14896-14901. | 3.4 | 97 |
| 54 | PTP β Regulates N-Cadherin-dependent Neurite Outgrowth. Journal of Cell Biology, 1999, 144, 1323-1336. | 5.2 | 115 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Dynamic Interaction of PTP ^{1/4} with Multiple Cadherins In Vivo. Journal of Cell Biology, 1998, 141, 287-296. | 5.2 | 160 |
| 56 | Purification and characterization of the human protein tyrosine phosphatase, PTP [?] , from a baculovirus expression system. Molecular and Cellular Biochemistry, 1993, 127-128, 131-141. | 3.1 | 17 |
| 57 | Ig-SUPERFAMILY PHOSPHATASES. , 0, , . | | 1 |