

Shannon L Stott

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2561711/publications.pdf>

Version: 2024-02-01

33
papers

6,737
citations

304743

22
h-index

395702

33
g-index

33
all docs

33
docs citations

33
times ranked

9958
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Circulating Tumor Cell Clusters Are Oligoclonal Precursors of Breast Cancer Metastasis. <i>Cell</i> , 2014, 158, 1110-1122. | 28.9 | 1,960 |
| 2 | Isolation of circulating tumor cells using a microvortex-generating herringbone-chip. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18392-18397. | 7.1 | 1,454 |
| 3 | Microfluidic, marker-free isolation of circulating tumor cells from blood samples. <i>Nature Protocols</i> , 2014, 9, 694-710. | 12.0 | 634 |
| 4 | Isolation and Characterization of Circulating Tumor Cells from Patients with Localized and Metastatic Prostate Cancer. <i>Science Translational Medicine</i> , 2010, 2, 25ra23. | 12.4 | 474 |
| 5 | Clusters of circulating tumor cells traverse capillary-sized vessels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4947-4952. | 7.1 | 364 |
| 6 | Detection of T790M, the Acquired Resistance <i>EGFR</i> Mutation, by Tumor Biopsy versus Noninvasive Blood-Based Analyses. <i>Clinical Cancer Research</i> , 2016, 22, 1103-1110. | 7.0 | 326 |
| 7 | Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , 2018, 9, 175. | 12.8 | 248 |
| 8 | Microfluidic Isolation of Circulating Tumor Cell Clusters by Size and Asymmetry. <i>Scientific Reports</i> , 2017, 7, 2433. | 3.3 | 158 |
| 9 | Tunable Nanostructured Coating for the Capture and Selective Release of Viable Circulating Tumor Cells. <i>Advanced Materials</i> , 2015, 27, 1593-1599. | 21.0 | 144 |
| 10 | Liquid biopsy for brain tumors. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 943-947. | 3.1 | 113 |
| 11 | An RNA-Based Digital Circulating Tumor Cell Signature Is Predictive of Drug Response and Early Dissemination in Prostate Cancer. <i>Cancer Discovery</i> , 2018, 8, 288-303. | 9.4 | 107 |
| 12 | Deformability of Tumor Cells versus Blood Cells. <i>Scientific Reports</i> , 2015, 5, 18542. | 3.3 | 104 |
| 13 | Isolation and Molecular Characterization of Circulating Melanoma Cells. <i>Cell Reports</i> , 2014, 7, 645-653. | 6.4 | 91 |
| 14 | Biodegradable nano-films for capture and non-invasive release of circulating tumor cells. <i>Biomaterials</i> , 2015, 65, 93-102. | 11.4 | 70 |
| 15 | NF2/Merlin mediates contact-dependent inhibition of EGFR mobility and internalization via cortical actomyosin. <i>Journal of Cell Biology</i> , 2015, 211, 391-405. | 5.2 | 54 |
| 16 | Exploring Dynamics and Structure of Biomolecules, Cryoprotectants, and Water Using Molecular Dynamics Simulations: Implications for Biostabilization and Biopreservation. <i>Annual Review of Biomedical Engineering</i> , 2019, 21, 1-31. | 12.3 | 54 |
| 17 | Whole blood stabilization for the microfluidic isolation and molecular characterization of circulating tumor cells. <i>Nature Communications</i> , 2017, 8, 1733. | 12.8 | 53 |
| 18 | Molecular Dynamics at the Interface between Ice and Poly(vinyl alcohol) and Ice Recrystallization Inhibition. <i>Langmuir</i> , 2018, 34, 5116-5123. | 3.5 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Microfluidic concentration and separation of circulating tumor cell clusters from large blood volumes. <i>Lab on A Chip</i> , 2020, 20, 558-567. | 6.0 | 50 |
| 20 | The Role of Physical Stabilization in Whole Blood Preservation. <i>Scientific Reports</i> , 2016, 6, 21023. | 3.3 | 38 |
| 21 | Clusters of circulating tumor cells: A biophysical and technological perspective. <i>Current Opinion in Biomedical Engineering</i> , 2017, 3, 13-19. | 3.4 | 32 |
| 22 | Controlled ice nucleation using freeze-dried <i>Pseudomonas syringae</i> encapsulated in alginate beads. <i>Cryobiology</i> , 2017, 75, 1-6. | 0.7 | 27 |
| 23 | Tumor Extracellular Vesicles Regulate Macrophage-Driven Metastasis through CCL5. <i>Cancers</i> , 2021, 13, 3459. | 3.7 | 22 |
| 24 | Preservative solution that stabilizes erythrocyte morphology and leukocyte viability under ambient conditions. <i>Scientific Reports</i> , 2017, 7, 5658. | 3.3 | 21 |
| 25 | Effect of Ice Nucleation and Cryoprotectants during High Subzero-Preservation in Endothelialized Microchannels. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3006-3015. | 5.2 | 18 |
| 26 | "Universal" vitrification of cells by ultra-fast cooling. <i>Technology</i> , 2015, 03, 64-71. | 1.4 | 16 |
| 27 | Satellite repeat RNA expression in epithelial ovarian cancer associates with a tumor-immunosuppressive phenotype. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 8.2 | 15 |
| 28 | Targeted Single-Cell RNA and DNA Sequencing With Fluorescence-Activated Droplet Merger. <i>Analytical Chemistry</i> , 2020, 92, 14616-14623. | 6.5 | 9 |
| 29 | Ultra-fast vitrification of patient-derived circulating tumor cell lines. <i>PLoS ONE</i> , 2018, 13, e0192734. | 2.5 | 9 |
| 30 | Anti-thrombotic strategies for microfluidic blood processing. <i>Lab on A Chip</i> , 2018, 18, 2146-2155. | 6.0 | 8 |
| 31 | Isolation of intact extracellular vesicles from cryopreserved samples. <i>PLoS ONE</i> , 2021, 16, e0251290. | 2.5 | 7 |
| 32 | The Alliance AMBUSH Trial: Rationale and Design. <i>Cancers</i> , 2022, 14, 414. | 3.7 | 5 |
| 33 | Differential Kinase Activity Across Prostate Tumor Compartments Defines Sensitivity to Target Inhibition. <i>Cancer Research</i> , 2022, 82, 1084-1097. | 0.9 | 2 |