Shannon L Stott

List of Publications by Year
in descending order

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

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33	6,737	304743	395702
papers	citations	22 h-index	33 g-index

33	33	33	9958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Kinase Activity Across Prostate Tumor Compartments Defines Sensitivity to Target Inhibition. Cancer Research, 2022, 82, 1084-1097.	0.9	2
2	The Alliance AMBUSH Trial: Rationale and Design. Cancers, 2022, 14, 414.	3.7	5
3	Satellite repeat RNA expression in epithelial ovarian cancer associates with a tumor-immunosuppressive phenotype. Journal of Clinical Investigation, 2022, 132, .	8.2	15
4	Isolation of intact extracellular vesicles from cryopreserved samples. PLoS ONE, 2021, 16, e0251290.	2.5	7
5	Tumor Extracellular Vesicles Regulate Macrophage-Driven Metastasis through CCL5. Cancers, 2021, 13, 3459.	3.7	22
6	Targeted Single-Cell RNA and DNA Sequencing With Fluorescence-Activated Droplet Merger. Analytical Chemistry, 2020, 92, 14616-14623.	6.5	9
7	Microfluidic concentration and separation of circulating tumor cell clusters from large blood volumes. Lab on A Chip, 2020, 20, 558-567.	6.0	50
8	Exploring Dynamics and Structure of Biomolecules, Cryoprotectants, and Water Using Molecular Dynamics Simulations: Implications for Biostabilization and Biopreservation. Annual Review of Biomedical Engineering, 2019, 21, 1-31.	12.3	54
9	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. Nature Communications, 2018, 9, 175.	12.8	248
10	An RNA-Based Digital Circulating Tumor Cell Signature Is Predictive of Drug Response and Early Dissemination in Prostate Cancer. Cancer Discovery, 2018, 8, 288-303.	9.4	107
11	Molecular Dynamics at the Interface between Ice and Poly(vinyl alcohol) and Ice Recrystallization Inhibition. Langmuir, 2018, 34, 5116-5123.	3.5	50
12	Effect of Ice Nucleation and Cryoprotectants during High Subzero-Preservation in Endothelialized Microchannels. ACS Biomaterials Science and Engineering, 2018, 4, 3006-3015.	5.2	18
13	Anti-thrombotic strategies for microfluidic blood processing. Lab on A Chip, 2018, 18, 2146-2155.	6.0	8
14	Ultra-fast vitrification of patient-derived circulating tumor cell lines. PLoS ONE, 2018, 13, e0192734.	2.5	9
15	Microfluidic Isolation of Circulating Tumor Cell Clusters by Size and Asymmetry. Scientific Reports, 2017, 7, 2433.	3.3	158
16	Controlled ice nucleation using freeze-dried Pseudomonas syringae encapsulated in alginate beads. Cryobiology, 2017, 75, 1-6.	0.7	27
17	Liquid biopsy for brain tumors. Expert Review of Molecular Diagnostics, 2017, 17, 943-947.	3.1	113
18	Preservative solution that stabilizes erythrocyte morphology and leukocyte viability under ambient conditions. Scientific Reports, 2017, 7, 5658.	3.3	21

#	Article	IF	Citations
19	Clusters of circulating tumor cells: A biophysical and technological perspective. Current Opinion in Biomedical Engineering, 2017, 3, 13-19.	3.4	32
20	Whole blood stabilization for the microfluidic isolation and molecular characterization of circulating tumor cells. Nature Communications, 2017, 8, 1733.	12.8	53
21	The Role of Physical Stabilization in Whole Blood Preservation. Scientific Reports, 2016, 6, 21023.	3.3	38
22	Clusters of circulating tumor cells traverse capillary-sized vessels. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4947-4952.	7.1	364
23	Detection of T790M, the Acquired Resistance EGFR Mutation, by Tumor Biopsy versus Noninvasive Blood-Based Analyses. Clinical Cancer Research, 2016, 22, 1103-1110.	7.0	326
24	Deformability of Tumor Cells versus Blood Cells. Scientific Reports, 2015, 5, 18542.	3.3	104
25	"Universal" vitrification of cells by ultra-fast cooling. Technology, 2015, 03, 64-71.	1.4	16
26	Tunable Nanostructured Coating for the Capture and Selective Release of Viable Circulating Tumor Cells. Advanced Materials, 2015, 27, 1593-1599.	21.0	144
27	Biodegradable nano-films for capture and non-invasive release of circulating tumor cells. Biomaterials, 2015, 65, 93-102.	11.4	70
28	NF2/Merlin mediates contact-dependent inhibition of EGFR mobility and internalization via cortical actomyosin. Journal of Cell Biology, 2015, 211, 391-405.	5.2	54
29	Microfluidic, marker-free isolation of circulating tumor cells from blood samples. Nature Protocols, 2014, 9, 694-710.	12.0	634
30	Circulating Tumor Cell Clusters Are Oligoclonal Precursors of Breast Cancer Metastasis. Cell, 2014, 158, 1110-1122.	28.9	1,960
31	Isolation and Molecular Characterization of Circulating Melanoma Cells. Cell Reports, 2014, 7, 645-653.	6.4	91
32	Isolation and Characterization of Circulating Tumor Cells from Patients with Localized and Metastatic Prostate Cancer. Science Translational Medicine, 2010, 2, 25ra23.	12.4	474
33	Isolation of circulating tumor cells using a microvortex-generating herringbone-chip. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18392-18397.	7.1	1,454