

Scott M Berry

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,426
citations

471509

17
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Feedback from nuclear RNA on transcription promotes robust RNA concentration homeostasis in human cells. <i>Cell Systems</i> , 2022, 13, 454-470.e15.	6.2	25
2	Mechanisms of cellular mRNA transcript homeostasis. <i>Trends in Cell Biology</i> , 2022, 32, 655-668.	7.9	27
3	High content genome-wide siRNA screen to investigate the coordination of cell size and RNA production. <i>Scientific Data</i> , 2021, 8, 162.	5.3	9
4	miFAST: A novel and rapid microRNA target capture method. <i>Molecular Carcinogenesis</i> , 2018, 57, 559-566.	2.7	6
5	Slow Chromatin Dynamics Allow Polycomb Target Genes to Filter Fluctuations in Transcription Factor Activity. <i>Cell Systems</i> , 2017, 4, 445-457.e8.	6.2	99
6	Distinct phases of Polycomb silencing to hold epigenetic memory of cold in <i>Arabidopsis</i> . <i>Science</i> , 2017, 357, 1142-1145.	12.6	167
7	Disruption of an RNA-binding hinge region abolishes LHP1-mediated epigenetic repression. <i>Genes and Development</i> , 2017, 31, 2115-2120.	5.9	33
8	RNA-mediated TILDA for improved cell capacity and enhanced detection of multiply-spliced HIV RNA. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 876-884.	1.3	5
9	Integrated Analysis of Multiple Biomarkers from Circulating Tumor Cells Enabled by Exclusion-Based Analyte Isolation. <i>Clinical Cancer Research</i> , 2017, 23, 746-756.	7.0	52
10	Magnetic System for Automated Manipulation of Paramagnetic Particles. <i>Analytical Chemistry</i> , 2016, 88, 9902-9907.	6.5	14
11	Transitions from mono- to co- to tri-culture uniquely affect gene expression in breast cancer, stromal, and immune compartments. <i>Biomedical Microdevices</i> , 2016, 18, 70.	2.8	19
12	AirJump: Using Interfaces to Instantly Perform Simultaneous Extractions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15040-15045.	8.0	16
13	High Specificity in Circulating Tumor Cell Identification Is Required for Accurate Evaluation of Programmed Death-Ligand 1. <i>PLoS ONE</i> , 2016, 11, e0159397.	2.5	54
14	Local chromatin environment of a Polycomb target gene instructs its own epigenetic inheritance. <i>ELife</i> , 2015, 4, .	6.0	92
15	Environmental perception and epigenetic memory: mechanistic insight through <i>FLC</i> . <i>Plant Journal</i> , 2015, 83, 133-148.	5.7	202
16	Using Exclusion-Based Sample Preparation (ESP) to Reduce Viral Load Assay Cost. <i>PLoS ONE</i> , 2015, 10, e0143631.	2.5	8
17	A Combined Fabrication and Instrumentation Platform for Sample Preparation. <i>Journal of the Association for Laboratory Automation</i> , 2014, 19, 267-274.	2.8	7
18	Lipopolysaccharide O antigen size distribution is determined by a chain extension complex of variable stoichiometry in <i>Escherichia coli</i> O9a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6407-6412.	7.1	41

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19	HIV Viral RNA Extraction in Wax Immiscible Filtration Assisted by Surface Tension (IFAST) Devices. <i>Journal of Molecular Diagnostics</i> , 2014, 16, 297-304.	2.8	24
20	Weak protein-protein interactions revealed by immiscible filtration assisted by surface tension. <i>Analytical Biochemistry</i> , 2014, 447, 133-140.	2.4	18
21	Streamlining gene expression analysis: integration of co-culture and mRNA purification. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 224.	1.3	14
22	Efficient Sample Preparation from Complex Biological Samples Using a Sliding Lid for Immobilized Droplet Extractions. <i>Analytical Chemistry</i> , 2014, 86, 6355-6362.	6.5	23
23	Automated Operation of Immiscible Filtration Assisted by Surface Tension (IFAST) Arrays for Streamlined Analyte Isolation. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 206-211.	2.8	34
24	Illustrations of Mathematical Modeling in Biology: Epigenetics, Meiosis, and an Outlook. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2012, 77, 175-181.	1.1	8
25	Streamlining Immunoassays with Immiscible Filtrations Assisted by Surface Tension. <i>Analytical Chemistry</i> , 2012, 84, 5518-5523.	6.5	41
26	Two-particle quantum walks: Entanglement and graph isomorphism testing. <i>Physical Review A</i> , 2011, 83, .	2.5	118
27	One-step purification of nucleic acid for gene expression analysis via Immiscible Filtration Assisted by Surface Tension (IFAST). <i>Lab on A Chip</i> , 2011, 11, 1747.	6.0	140
28	Purification of cell subpopulations via immiscible filtration assisted by surface tension (IFAST). <i>Biomedical Microdevices</i> , 2011, 13, 1033-1042.	2.8	44
29	qwViz: Visualisation of quantum walks on graphs. <i>Computer Physics Communications</i> , 2011, 182, 2295-2302.	7.5	7
30	Quantum-walk-based search and centrality. <i>Physical Review A</i> , 2010, 82, .	2.5	58