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1753	Interfacing Neural Network Components and Nucleic Acids. 2017 , 5, 53	4
1752	Microdevices for Non-Invasive Detection of Bladder Cancer. 2017 , 5, 30	7
1751	Driver or Passenger: Epigenomes in Alzheimer's Disease. 2017 , 1, 5	2
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1749	Frontiers in Toxicogenomics in the Twenty-First Century-the Grand Challenge: To Understand How the Genome and Epigenome Interact with the Toxic Environment at the Single-Cell, Whole-Organism, and Multi-Generational Level. 2017 , 8, 173	4
1748	Clinical Applications of the Eosinophilic Esophagitis Diagnostic Panel. 2017 , 4, 108	11
1747	Tools for Genomic and Transcriptomic Analysis of Microbes at Single-Cell Level. 2017 , 8, 1831	24
1746	Correlating Anatomy and Function with Gene Expression in Individual Neurons by Combining Labeling, Patch Clamp, and Single Cell RNA-seq. 2017 , 11, 376	10
1745	Lateral Hypothalamic Control of the Ventral Tegmental Area: Reward Evaluation and the Driving of Motivated Behavior. 2017 , 11, 50	38
1744	The Human Cell Atlas. 2017 , 6,	937
1743	Regulation of Noncoding Transcriptome in Developing Photoreceptors by Rod Differentiation Factor NRL. 2017 , 58, 4422-4435	15
1742	Current Progresses of Single Cell DNA Sequencing in Breast Cancer Research. 2017 , 13, 949-960	11
1741	2.9 Materials as Artificial Stem Cell Microenvironments ?. 2017 , 179-201	
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1739	Diversity amongst trigeminal neurons revealed by high throughput single cell sequencing. 2017 , 12, e0185543	88
1738	Dr.seq2: A quality control and analysis pipeline for parallel single cell transcriptome and epigenome data. 2017 , 12, e0180583	21
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1736	Laser-fabricated cell patterning stencil for single cell analysis. 2017 , 17, 89	3
1735	Q&A: using Patch-seq to profile single cells. 2017 , 15, 58	6
1734	Telomere heterogeneity linked to metabolism and pluripotency state revealed by simultaneous analysis of telomere length and RNA-seq in the same human embryonic stem cell. 2017 , 15, 114	13
1733	SiFit: inferring tumor trees from single-cell sequencing data under finite-sites models. 2017 , 18, 178	83
1732	f-scLVM: scalable and versatile factor analysis for single-cell RNA-seq. 2017 , 18, 212	63
1731	scDual-Seq: mapping the gene regulatory program of Salmonella infection by host and pathogen single-cell RNA-sequencing. 2017 , 18, 200	44
1730	A practical guide to single-cell RNA-sequencing for biomedical research and clinical applications. 2017 , 9, 75	332
1729	Using single-cell multiple omics approaches to resolve tumor heterogeneity. 2017 , 6, 46	50
1728	Gene length and detection bias in single cell RNA sequencing protocols. 2017 , 6, 595	36
1727	Advances in single-cell RNA sequencing and its applications in cancer research. 2017 , 8, 53763-53779	52
1726	Single molecule counting and assessment of random molecular tagging errors with transposable giga-scale error-correcting barcodes. 2017 , 18, 745	3
1725	Myocilin Regulates Metalloprotease 2 Activity Through Interaction With TIMP3. 2017 , 58, 5308-5318	9
1724	Human Association Cortex: Expanded, Untethered, Neotenuous, and Plastic. 2017 , 169-183	4
1723	Dynamics of embryonic stem cell differentiation inferred from single-cell transcriptomics show a series of transitions through discrete cell states. 2017 , 6,	27
1722	Single cell RNA sequencing to dissect the molecular heterogeneity in lupus nephritis. 2017 , 2,	114
1721	Simultaneous measurement of chromatin accessibility, DNA methylation, and nucleosome phasing in single cells. 2017 , 6,	122
1720	Strategies for the acquisition of transcriptional and epigenetic information in single cells. 2017 , 9, S9-S16	6
1719	Population snapshots predict early haematopoietic and erythroid hierarchies. 2018 , 555, 54-60	184

1718	Experimental design for single-cell RNA sequencing. 2018 , 17, 233-239		66
1717	Mapping the Mouse Cell Atlas by Microwell-Seq. <i>Cell</i> , 2018 , 172, 1091-1107.e17	56.2	526
1716	Massively Parallel Single Nucleus Transcriptional Profiling Defines Spinal Cord Neurons and Their Activity during Behavior. 2018 , 22, 2216-2225		161
1715	Fluorescent analysis of bioactive molecules in single cells based on microfluidic chips. 2018 , 18, 1151-1173		35
1714	Single-Cell Transcriptome Analysis Using SINCERA Pipeline. 2018 , 1751, 209-222		8
1713	Cell-type-specific brain methylomes profiled via ultralow-input microfluidics. 2018 , 2, 183-194		18
1712	Single-cell RNA sequencing reveals developmental heterogeneity of blastomeres during major genome activation in bovine embryos. 2018 , 8, 4071		18
1711	Capturing the 'ome': the expanding molecular toolbox for RNA and DNA library construction. 2018 , 46, 2701-2721		15
1710	Combinatory use of distinct single-cell RNA-seq analytical platforms reveals the heterogeneous transcriptome response. 2018 , 8, 3482		14
1709	Single-cell RNA-seq of rheumatoid arthritis synovial tissue using low-cost microfluidic instrumentation. 2018 , 9, 791		163
1708	Bias, robustness and scalability in single-cell differential expression analysis. 2018 , 15, 255-261		343
1707	The Human Cell Atlas: Technical approaches and challenges. 2018 , 17, 283-294		22
1706	Heterogeneity of Metazoan Cells and Beyond: To Integrative Analysis of Cellular Populations at Single-Cell Level. 2018 , 1745, 3-23		3
1705	Fundamental limits on dynamic inference from single-cell snapshots. 2018 , 115, E2467-E2476		138
1704	Assessing sufficiency and necessity of enhancer activities for gene expression and the mechanisms of transcription activation. 2018 , 32, 202-223		103
1703	Exponential scaling of single-cell RNA-seq in the past decade. 2018 , 13, 599-604		400
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1701	CRISPR-based methods for high-throughput annotation of regulatory DNA. 2018 , 52, 32-41		11

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1696	Cell type atlas and lineage tree of a whole complex animal by single-cell transcriptomics. 2018 , 360,	233
1695	Cell type transcriptome atlas for the planarian. 2018 , 360,	202
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1693	Lithium-associated transcriptional regulation of CRMP1 in patient-derived olfactory neurons and symptom changes in bipolar disorder. 2018 , 8, 81	5
1692	Avian transcriptomics: opportunities and challenges. 2018 , 159, 599-629	20
1691	Research Techniques Made Simple: Single-Cell RNA Sequencing and its Applications in Dermatology. 2018 , 138, 1004-1009	12
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1686	200 mm wafer-scale fabrication of polydimethylsiloxane fluidic devices for fluorescence imaging of single DNA molecules. 2018 , 8, 420-427	3
1685	Genetic Dissection of Neural Circuits: A Decade of Progress. 2018 , 98, 256-281	203
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1675	Defining Cell Identity with Single-Cell Omics. 2018 , 18, e1700312	34
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