

J Christopher Love

List of Publications by Year in Descending Order

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Version: 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142 papers	15,541 citations	50 h-index	124 g-index
158 ext. papers	17,652 ext. citations	11.4 avg, IF	6.36 L-index

#	Paper	IF	Citations
142	Liquid biopsy detection of genomic alterations in pediatric brain tumors from cell-free DNA in peripheral blood, CSF, and urine.. <i>Neuro-Oncology</i> , 2022 ,	1	4
141	Modular development enables rapid design of media for alternative hosts. <i>Biotechnology and Bioengineering</i> , 2022 , 119, 59-71	4.9	1
140	Mitochondrial variant enrichment from high-throughput single-cell RNA sequencing resolves clonal populations.. <i>Nature Biotechnology</i> , 2022 ,	44.5	2
139	SARS-CoV-2 receptor binding domain displayed on HBsAg virus-like particles elicits protective immunity in macaques.. <i>Science Advances</i> , 2022 , 8, eabl6015	14.3	3
138	Massively parallel enrichment of low-frequency alleles enables duplex sequencing at low depth.. <i>Nature Biomedical Engineering</i> , 2022 ,	19	1
137	Multimodal profiling of lung granulomas in macaques reveals cellular correlates of tuberculosis control.. <i>Immunity</i> , 2022 ,	32.3	7
136	Peanut oral immunotherapy differentially suppresses clonally distinct subsets of T helper cells. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	3
135	Scalable, methanol-free manufacturing of the SARS-CoV-2 receptor-binding domain in engineered <i>Komagataella phaffii</i> . <i>Biotechnology and Bioengineering</i> , 2021 ,	4.9	2
134	Diverse antiviral IgG effector activities are predicted by unique biophysical antibody features. <i>Retrovirology</i> , 2021 , 18, 35	3.6	2
133	Lack of CD8 T cell effector differentiation during priming mediates checkpoint blockade resistance in non-small cell lung cancer. <i>Science Immunology</i> , 2021 , 6, eabi8800	28	5
132	Mechanism of Thimerosal-Induced Structural Destabilization of a Recombinant Rotavirus P[4] Protein Antigen Formulated as a Multi-Dose Vaccine. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 1054-1066 ³	2.9	3
131	Leukocyte dynamics after intracerebral hemorrhage in a living patient reveal rapid adaptations to tissue milieu. <i>JCI Insight</i> , 2021 , 6,	9.9	3
130	Rapid Developability Assessments to Formulate Recombinant Protein Antigens as Stable, Low-Cost, Multi-Dose Vaccine Candidates: Case-Study With Non-Replicating Rotavirus (NRRV) Vaccine Antigens. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 1042-1053	3.9	3
129	Alternative hosts as the missing link for equitable therapeutic protein production. <i>Nature Biotechnology</i> , 2021 , 39, 404-407	44.5	0
128	Development of a platform process for the production and purification of single-domain antibodies. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3348-3358	4.9	4
127	Engineered SARS-CoV-2 receptor binding domain improves immunogenicity in mice and elicits protective immunity in hamsters 2021 ,		10
126	Scalable, methanol-free manufacturing of the SARS-CoV-2 receptor binding domain in engineered 2021 ,		3

125	Rapid optimization of processes for the integrated purification of biopharmaceuticals. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3435-3446	4.9	2
124	Divergent Functions of Tissue-Resident and Blood-Derived Macrophages in the Hemorrhagic Brain. <i>Stroke</i> , 2021 , 52, 1798-1808	6.7	3
123	Molecular engineering improves antigen quality and enables integrated manufacturing of a trivalent subunit vaccine candidate for rotavirus. <i>Microbial Cell Factories</i> , 2021 , 20, 94	6.4	4
122	Identification of antigen-specific TCR sequences based on biological and statistical enrichment in unselected individuals. <i>JCI Insight</i> , 2021 , 6,	9.9	3
121	A modular protein subunit vaccine candidate produced in yeast confers protection against SARS-CoV-2 in non-human primates 2021 ,		3
120	Rho/SMAD/mTOR triple inhibition enables long-term expansion of human neonatal tracheal aspirate-derived airway basal cell-like cells. <i>Pediatric Research</i> , 2021 , 89, 502-509	3.2	7
119	Macroscopic modeling of bioreactors for recombinant protein producing <i>Pichia pastoris</i> in defined medium. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1199-1212	4.9	5
118	Modeling of copy number variability in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1832-1839	4.9	5
117	Longitudinal transcriptomics define the stages of myeloid activation in the living human brain after intracerebral hemorrhage. <i>Science Immunology</i> , 2021 , 6,	28	10
116	Clonally expanded, GPR15-expressing pathogenic effector T2 cells are associated with eosinophilic esophagitis. <i>Science Immunology</i> , 2021 , 6,	28	6
115	Engineered SARS-CoV-2 receptor binding domain improves manufacturability in yeast and immunogenicity in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
114	Breast tissue regeneration is driven by cell-matrix interactions coordinating multi-lineage stem cell differentiation through DDR1. <i>Nature Communications</i> , 2021 , 12, 7116	17.4	0
113	Phosphate-mediated coanchoring of RBD immunogens and molecular adjuvants to alum potentiates humoral immunity against SARS-CoV-2. <i>Science Advances</i> , 2021 , 7, eabj6538	14.3	3
112	Integrated single-cell analysis of multicellular immune dynamics during hyperacute HIV-1 infection. <i>Nature Medicine</i> , 2020 , 26, 511-518	50.5	36
111	Sensitive Detection of Minimal Residual Disease in Patients Treated for Early-Stage Breast Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 2556-2564	12.9	32
110	Expansion of the CD4 effector T-cell repertoire characterizes peanut-allergic patients with heightened clinical sensitivity. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 270-282	11.5	17
109	Comparative genome-scale analysis of <i>Pichia pastoris</i> variants informs selection of an optimal base strain. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 543-555	4.9	19
108	Host-Informed Expression of CRISPR Guide RNA for Genomic Engineering in. <i>ACS Synthetic Biology</i> , 2020 , 9, 26-35	5.7	19

107	Second-Strand Synthesis-Based Massively Parallel scRNA-Seq Reveals Cellular States and Molecular Features of Human Inflammatory Skin Pathologies. <i>Immunity</i> , 2020 , 53, 878-894.e7	32.3	68
106	Identifying Improved Sites for Heterologous Gene Integration Using ATAC-seq. <i>ACS Synthetic Biology</i> , 2020 , 9, 2515-2524	5.7	2
105	A combined screening and in silico strategy for the rapid design of integrated downstream processes for process and product-related impurity removal. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 2178-2190	4.9	8
104	Challenging the workhorse: Comparative analysis of eukaryotic micro-organisms for expressing monoclonal antibodies. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1449-1462	4.9	14
103	Single-cell transcriptomic atlas of the human retina identifies cell types associated with age-related macular degeneration. <i>Nature Communications</i> , 2019 , 10, 4902	17.4	100
102	TCR sequencing paired with massively parallel 3' RNA-seq reveals clonotypic T cell signatures. <i>Nature Immunology</i> , 2019 , 20, 1692-1699	19.1	35
101	An impurity characterization based approach for the rapid development of integrated downstream purification processes. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 2048-2060	4.9	10
100	The yeast stands alone: the future of protein biologic production. <i>Current Opinion in Biotechnology</i> , 2018 , 53, 50-58	11.4	32
99	Whole-exome sequencing of cell-free DNA and circulating tumor cells in multiple myeloma. <i>Nature Communications</i> , 2018 , 9, 1691	17.4	103
98	Development of a general defined medium for <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2018 , 115, 103-113	4.9	36
97	Two Vaccines for Induce a B-Cell-Mediated Immune Response. <i>MSphere</i> , 2018 , 3,	5	12
96	Tumor fraction in cell-free DNA as a biomarker in prostate cancer. <i>JCI Insight</i> , 2018 , 3,	9.9	49
95	Erythrocyte efferocytosis modulates macrophages towards recovery after intracerebral hemorrhage. <i>Journal of Clinical Investigation</i> , 2018 , 128, 607-624	15.9	73
94	Association of Cell-Free DNA Tumor Fraction and Somatic Copy Number Alterations With Survival in Metastatic Triple-Negative Breast Cancer. <i>Journal of Clinical Oncology</i> , 2018 , 36, 543-553	2.2	113
93	Blood handling and leukocyte isolation methods impact the global transcriptome of immune cells. <i>BMC Immunology</i> , 2018 , 19, 30	3.7	9
92	Cell and fluid sampling microneedle patches for monitoring skin-resident immunity. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	81
91	On-demand manufacturing of clinical-quality biopharmaceuticals. <i>Nature Biotechnology</i> , 2018 ,	44.5	49
90	Seq-Well: portable, low-cost RNA sequencing of single cells at high throughput. <i>Nature Methods</i> , 2017 , 14, 395-398	21.6	454

89	A method for learning a sparse classifier in the presence of missing data for high-dimensional biological datasets. <i>Bioinformatics</i> , 2017 , 33, 2897-2905	7.2	8
88	Functional differences between PD-1+ and PD-1- CD4+ effector T cells in healthy donors and patients with glioblastoma multiforme. <i>PLoS ONE</i> , 2017 , 12, e0181538	3.7	25
87	Longitudinal multiparameter single-cell analysis of macaques immunized with pneumococcal protein-conjugated or unconjugated polysaccharide vaccines reveals distinct antigen specific memory B cell repertoires. <i>PLoS ONE</i> , 2017 , 12, e0183738	3.7	9
86	Reexamining opportunities for therapeutic protein production in eukaryotic microorganisms. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 2432-2444	4.9	25
85	Opportunities and challenges of real-time release testing in biopharmaceutical manufacturing. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 2445-2456	4.9	64
84	Cell-type Dependent Alzheimer's Disease Phenotypes: Probing the Biology of Selective Neuronal Vulnerability. <i>Stem Cell Reports</i> , 2017 , 9, 1868-1884	8	43
83	Scalable whole-exome sequencing of cell-free DNA reveals high concordance with metastatic tumors. <i>Nature Communications</i> , 2017 , 8, 1324	17.4	314
82	Integrated Bottom-Up and Top-Down Liquid Chromatography-Mass Spectrometry for Characterization of Recombinant Human Growth Hormone Degradation Products. <i>Analytical Chemistry</i> , 2017 , 89, 12771-12777	7.8	3
81	TGF- β modulates microglial phenotype and promotes recovery after intracerebral hemorrhage. <i>Journal of Clinical Investigation</i> , 2017 , 127, 280-292	15.9	132
80	Single-Cell Detection of Secreted A β and sAPP β from Human iPSC-Derived Neurons and Astrocytes. <i>Journal of Neuroscience</i> , 2016 , 36, 1730-46	6.6	64
79	PD-1 marks dysfunctional regulatory T cells in malignant gliomas. <i>JCI Insight</i> , 2016 , 1,	9.9	126
78	Generation of Long-Lived Bone Marrow Plasma Cells Secreting Antibodies Specific for the HIV-1 gp41 Membrane-Proximal External Region in the Absence of Polyreactivity. <i>Journal of Virology</i> , 2016 , 90, 8875-90	6.6	12
77	Diversity of Antiviral IgG Effector Activities Observed in HIV-Infected and Vaccinated Subjects. <i>Journal of Immunology</i> , 2016 , 197, 4603-4612	5.3	37
76	Comparative genomics and transcriptomics of <i>Pichia pastoris</i> . <i>BMC Genomics</i> , 2016 , 17, 550	4.5	53
75	A Size-Selective Intracellular Delivery Platform. <i>Small</i> , 2016 , 12, 5873-5881	11	18
74	A perfusion-capable microfluidic bioreactor for assessing microbial heterologous protein production. <i>Lab on A Chip</i> , 2015 , 15, 2918-22	7.2	16
73	Calibrating genomic and allelic coverage bias in single-cell sequencing. <i>Nature Communications</i> , 2015 , 6, 6822	17.4	57
72	Functional inflammatory profiles distinguish myelin-reactive T cells from patients with multiple sclerosis. <i>Science Translational Medicine</i> , 2015 , 7, 287ra74	17.5	192

71	Peanut oral immunotherapy transiently expands circulating Ara h 2-specific B cells with a homologous repertoire in unrelated subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 125-134.e12	11.5	68
70	Neutralizing antibodies against West Nile virus identified directly from human B cells by single-cell analysis and next generation sequencing. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 1587-97	3.7	57
69	Automated pipeline for rapid production and screening of HIV-specific monoclonal antibodies using pichia pastoris. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 2624-9	4.9	10
68	Development of a High-Throughput Functional Screen Using Nanowell-Assisted Cell Patterning. <i>Small</i> , 2015 , 11, 4643-50	11	8
67	Whole-exome sequencing of circulating tumor cells provides a window into metastatic prostate cancer. <i>Nature Biotechnology</i> , 2014 , 32, 479-84	44.5	434
66	Single-cell technologies for monitoring immune systems. <i>Nature Immunology</i> , 2014 , 15, 128-35	19.1	287
65	In vivo discovery of immunotherapy targets in the tumour microenvironment. <i>Nature</i> , 2014 , 506, 52-7	50.4	159
64	Functional analysis of single cells identifies a rare subset of circulating tumor cells with malignant traits. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 388-98	3.7	43
63	Crossword: a fully automated algorithm for the segmentation and quality control of protein microarray images. <i>Journal of Proteome Research</i> , 2014 , 13, 362-71	5.6	6
62	A new toolbox for assessing single cells. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014 , 5, 455-77	8.9	28
61	Profiling human antibody responses by integrated single-cell analysis. <i>Vaccine</i> , 2014 , 32, 2866-73	4.1	34
60	EGFR variant heterogeneity in glioblastoma resolved through single-nucleus sequencing. <i>Cancer Discovery</i> , 2014 , 4, 956-71	24.4	199
59	Tumor cells are dislodged into the pulmonary vein during lobectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 3224-31.e1-5	1.5	18
58	Nanowell-based immunoassays for measuring single-cell secretion: characterization of transport and surface binding. <i>Analytical Chemistry</i> , 2014 , 86, 11562-9	7.8	55
57	Towards Engineered Processes for Sequencing-Based Analysis of Single Circulating Tumor Cells. <i>Current Opinion in Chemical Engineering</i> , 2014 , 4, 97-104	5.4	9
56	Polymer Molding: Nanostructure Replication 2014 , 3750-3759		
55	Functional single-cell analysis of T-cell activation by supported lipid bilayer-tethered ligands on arrays of nanowells. <i>Lab on A Chip</i> , 2013 , 13, 90-9	7.2	51
54	Single cells from human primary colorectal tumors exhibit polyfunctional heterogeneity in secretions of ELR+ CXC chemokines. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 1272-81	3.7	18

53	The dynamic lives of T cells: new approaches and themes. <i>Trends in Immunology</i> , 2013 , 34, 59-66	14.4	12
52	Enabling global access to high-quality biopharmaceuticals. <i>Current Opinion in Chemical Engineering</i> , 2013 , 2, 383-390	5.4	16
51	Microtools for single-cell analysis in biopharmaceutical development and manufacturing. <i>Trends in Biotechnology</i> , 2013 , 31, 280-6	15.1	52
50	Single-cell analysis reveals isotype-specific autoreactive B cell repertoires in Sjögren's syndrome. <i>PLoS ONE</i> , 2013 , 8, e58127	3.7	22
49	Polyfunctional responses by human T cells result from sequential release of cytokines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1607-12	11.5	243
48	Single-cell analysis of the dynamics and functional outcomes of interactions between human natural killer cells and target cells. <i>Integrative Biology (United Kingdom)</i> , 2012 , 4, 1175-84	3.7	72
47	Analytical technologies for integrated single-cell analysis of human immune responses. <i>Methods in Molecular Biology</i> , 2012 , 853, 211-35	1.4	9
46	Cellular barcodes for efficiently profiling single-cell secretory responses by microengraving. <i>Analytical Chemistry</i> , 2012 , 84, 10531-6	7.8	43
45	Systematic single-cell analysis of <i>Pichia pastoris</i> reveals secretory capacity limits productivity. <i>PLoS ONE</i> , 2012 , 7, e37915	3.7	51
44	Rapid, efficient functional characterization and recovery of HIV-specific human CD8+ T cells using microengraving. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3885-90	11.5	86
43	Cell-surface sensors for real-time probing of cellular environments. <i>Nature Nanotechnology</i> , 2011 , 6, 524-31	28.7	167
42	Immuno-hybridization chain reaction for enhancing detection of individual cytokine-secreting human peripheral mononuclear cells. <i>Analytical Chemistry</i> , 2011 , 83, 6890-5	7.8	95
41	Generation and screening of <i>Pichia pastoris</i> strains with enhanced protein production by use of microengraving. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3154-6	4.8	18
40	A high-throughput single-cell analysis of human CD8+ T cell functions reveals discordance for cytokine secretion and cytotoxicity. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4322-31	15.9	124
39	On-chip activation and subsequent detection of individual antigen-specific T cells. <i>Analytical Chemistry</i> , 2010 , 82, 473-7	7.8	32
38	Layer-by-Layer Assembly of a pH-Responsive and Electrochromic Thin Film. <i>Journal of Chemical Education</i> , 2010 , 87, 208-211	2.4	25
37	Massively parallel detection of gene expression in single cells using subnanolitre wells. <i>Lab on A Chip</i> , 2010 , 10, 2334-7	7.2	69
36	Multidimensional analysis of the frequencies and rates of cytokine secretion from single cells by quantitative microengraving. <i>Lab on A Chip</i> , 2010 , 10, 1391-400	7.2	149

35	Integrated process design for single-cell analytical technologies. <i>AIChE Journal</i> , 2010 , 56, 2496-2502	3.6	14
34	Development and optimization of a process for automated recovery of single cells identified by microengraving. <i>Biotechnology Progress</i> , 2010 , 26, 888-95	2.8	71
33	Integrated single-cell analysis shows <i>Pichia pastoris</i> secretes protein stochastically. <i>Biotechnology and Bioengineering</i> , 2010 , 106, 319-25	4.9	36
32	Optimization of the surfaces used to capture antibodies from single hybridomas reduces the time required for microengraving. <i>Journal of Immunological Methods</i> , 2009 , 340, 164-9	2.5	12
31	Screening individual hybridomas by microengraving to discover monoclonal antibodies. <i>Nature Protocols</i> , 2009 , 4, 767-82	18.8	124
30	Concurrent detection of secreted products from human lymphocytes by microengraving: cytokines and antigen-reactive antibodies. <i>Clinical Immunology</i> , 2008 , 129, 10-8	9	68
29	Profiling antibody responses by multiparametric analysis of primary B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17902-7	11.5	59
28	Polymer Molding 2008 , 3456-3465		
27	Tubulation of class II MHC compartments is microtubule dependent and involves multiple endolysosomal membrane proteins in primary dendritic cells. <i>Journal of Immunology</i> , 2007 , 178, 7199-2103	5.3	103
26	Recruitment of CD63 to <i>Cryptococcus neoformans</i> phagosomes requires acidification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15945-50	11.5	49
25	A microengraving method for rapid selection of single cells producing antigen-specific antibodies. <i>Nature Biotechnology</i> , 2006 , 24, 703-7	44.5	360
24	Self-assembled monolayers of thiolates on metals as a form of nanotechnology. <i>Chemical Reviews</i> , 2005 , 105, 1103-69	68.1	6730
23	Self-Assembled Monolayers of Thiolates on Metals as a Form of Nanotechnology. <i>ChemInform</i> , 2005 , 36, no		6
22	Molecular engineering of surfaces using self-assembled monolayers. <i>Science Progress</i> , 2005 , 88, 17-48	1.1	95
21	Fabrication of planar optical waveguides by electrical microcontact printing. <i>Applied Physics Letters</i> , 2004 , 84, 1623-1625	3.4	37
20	Fabrication of Free-Standing Metallic Pyramidal Shells. <i>Nano Letters</i> , 2004 , 4, 2509-2511	11.5	33
19	UNCONVENTIONAL NANOFABRICATION. <i>Annual Review of Materials Research</i> , 2004 , 34, 339-372	12.8	310
18	Self-Assembled Monolayers Exposed to Metastable Argon Beams Undergo Thiol Exchange Reactions. <i>Langmuir</i> , 2003 , 19, 2201-2205	4	16

17	Formation and structure of self-assembled monolayers of alkanethiolates on palladium. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2597-609	16.4	280
16	Three-dimensional self-assembly of metallic rods with submicron diameters using magnetic interactions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12696-7	16.4	189
15	Fabrication and Wetting Properties of Metallic Half-Shells with Submicron Diameters. <i>Nano Letters</i> , 2002 , 2, 891-894	11.5	319
14	Fabrication of palladium-based microelectronic devices by microcontact printing. <i>Applied Physics Letters</i> , 2002 , 80, 2222-2224	3.4	81
13	Electroforming of Copper Structures at Nanometer-Sized Gaps of Self-assembled Monolayers on Silver. <i>Chemistry of Materials</i> , 2002 , 14, 1385-1390	9.6	20
12	Improved Pattern Transfer in Soft Lithography Using Composite Stamps. <i>Langmuir</i> , 2002 , 18, 5314-5320	4	599
11	Generation of 30-50 nm structures using easily fabricated, composite PDMS masks. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12112-3	16.4	157
10	Self-assembled monolayers of alkanethiolates on palladium are good etch resists. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1576-7	16.4	120
9	Microscope Projection Photolithography for Rapid Prototyping of Masters with Micron-Scale Features for Use in Soft Lithography. <i>Langmuir</i> , 2001 , 17, 6005-6012	4	111
8	Ruthenium(II) alpha-Diimine Complexes with One, Two, and Three 4,4'-Bis(hydroxymethyl)-2,2'-bipyridine and 4,4'-Bis(chloromethyl)-2,2'-bipyridine Ligands: Useful Starting Materials for Further Derivatization. <i>Inorganic Chemistry</i> , 1999 , 38, 2020-2024	5.1	47
7	WAT3R: Recovery of T-Cell Receptor Variable Regions From 3B Single-Cell RNA-Sequencing		1
6	Multimodal profiling of lung granulomas reveals cellular correlates of tuberculosis control		4
5	Synthesis of 4-, 5-, and 6-Methyl-2,2'-Bipyridine by a Negishi Cross-Coupling Strategy: 5-Methyl-2,2'-Bipyridine	51-51	
4	Seq-Well: portable, low-cost RNA sequencing of single cells at high throughput. <i>Protocol Exchange</i> ,		5
3	Leukocyte dynamics after intracerebral hemorrhage in a living patient reveal rapid adaptations to tissue milieu		1
2	Molecular engineering improves antigen quality and enables integrated manufacturing of a trivalent subunit vaccine candidate for rotavirus		1
1	Highly Efficient, Massively-Parallel Single-Cell RNA-Seq Reveals Cellular States and Molecular Features of Human Skin Pathology		22