

# Douglas A Lauffenburger

## List of Publications by Year in descending order

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327  
papers

34,673  
citations

4345

89  
h-index

5481

169  
g-index

356  
all docs

356  
docs citations

356  
times ranked

45908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulatory T Cells Control Effector T Cell Inflammation in Human Prediabetes. <i>Diabetes</i> , 2022, 71, 264-274.	0.3	8
2	Serological Markers of SARS-CoV-2 Reinfection. <i>MBio</i> , 2022, 13, e0214121.	1.8	8
3	Towards targeting of shared mechanisms of cancer metastasis and therapy resistance. <i>Nature Reviews Cancer</i> , 2022, 22, 157-173.	12.8	125
4	Upper and lower respiratory tract correlates of protection against respiratory syncytial virus following vaccination of nonhuman primates. <i>Cell Host and Microbe</i> , 2022, 30, 41-52.e5.	5.1	44
5	Endometrial cytokines in patients with and without endometriosis evaluated for infertility. <i>Fertility and Sterility</i> , 2022, 117, 629-640.	0.5	11
6	Collateral responses to classical cytotoxic chemotherapies are heterogeneous and sensitivities are sparse. <i>Scientific Reports</i> , 2022, 12, 5453.	1.6	2
7	Altered Maternal Antibody Profiles in Women With Human Immunodeficiency Virus Drive Changes in Transplacental Antibody Transfer. <i>Clinical Infectious Diseases</i> , 2022, 75, 1359-1369.	2.9	8
8	Landscape of Human Immunodeficiency Virus Neutralization Susceptibilities Across Tissue Reservoirs. <i>Clinical Infectious Diseases</i> , 2022, 75, 1342-1350.	2.9	4
9	mRNA-1273 and BNT162b2 COVID-19 vaccines elicit antibodies with differences in Fc-mediated effector functions. <i>Science Translational Medicine</i> , 2022, 14, eabm2311.	5.8	100
10	Synthetic extracellular matrices and astrocytes provide a supportive microenvironment for the cultivation and investigation of primary pediatric gliomas. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.4	3
11	Defining the determinants of protection against SARS-CoV-2 infection and viral control in a dose-down Ad26.CoV2.S vaccine study in nonhuman primates. <i>PLoS Biology</i> , 2022, 20, e3001609.	2.6	14
12	Artificial neural networks enable genome-scale simulations of intracellular signaling. <i>Nature Communications</i> , 2022, 13, .	5.8	17
13	Screening for CD19-specific chimaeric antigen receptors with enhanced signalling via a barcoded library of intracellular domains. <i>Nature Biomedical Engineering</i> , 2022, 6, 855-866.	11.6	23
14	Antibody Fc characteristics and effector functions correlate with protection from symptomatic dengue virus type 3 infection. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	21
15	The Kinetics of SARS-CoV-2 Antibody Development Is Associated with Clearance of RNAemia. <i>MBio</i> , 2022, 13, .	1.8	10
16	Human physiomic model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. <i>Science Advances</i> , 2021, 7, .	4.7	73
17	Discrete SARS-CoV-2 antibody titers track with functional humoral stability. <i>Nature Communications</i> , 2021, 12, 1018.	5.8	82
18	Compromised SARS-CoV-2-specific placental antibody transfer. <i>Cell</i> , 2021, 184, 628-642.e10.	13.5	167

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19	Humoral signatures of protective and pathological SARS-CoV-2 infection in children. <i>Nature Medicine</i> , 2021, 27, 454-462.	15.2	137
20	Comorbid illnesses are associated with altered adaptive immune responses to SARS-CoV-2. <i>JCI Insight</i> , 2021, 6, .	2.3	39
21	Synergistic Action of Diclofenac with Endotoxin-Mediated Inflammation Exacerbates Intestinal Injury in Vitro. <i>ACS Infectious Diseases</i> , 2021, 7, 838-848.	1.8	0
22	Immunogenicity of the Ad26.COVS Vaccine for COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 1535.	3.8	260
23	Viral Rebound Kinetics Correlate with Distinct HIV Antibody Features. <i>MBio</i> , 2021, 12, .	1.8	10
24	IP-10 (CXCL10) Can Trigger Emergence of Dormant Breast Cancer Cells in a Metastatic Liver Microenvironment. <i>Frontiers in Oncology</i> , 2021, 11, 676135.	1.3	19
25	Systematic in silico analysis of clinically tested drugs for reducing amyloid $\beta$ plaque accumulation in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, 1487-1498.	0.4	22
26	Cell surface integrin $\alpha 5 \beta 1$ clustering negatively regulates receptor tyrosine kinase signaling in colorectal cancer cells via glycogen synthase kinase 3. <i>Integrative Biology (United Kingdom)</i> , 2021, 13, 153-166.	0.6	4
27	Therapeutically reprogrammed nutrient signalling enhances nanoparticulate albumin bound drug uptake and efficacy in KRAS-mutant cancer. <i>Nature Nanotechnology</i> , 2021, 16, 830-839.	15.6	55
28	Quantitative phosphoproteomics uncovers dysregulated kinase networks in Alzheimer's disease. <i>Nature Aging</i> , 2021, 1, 550-565.	5.3	21
29	Antibody Subclass and Glycosylation Shift Following Effective TB Treatment. <i>Frontiers in Immunology</i> , 2021, 12, 679973.	2.2	22
30	A Mycobacterium tuberculosis Specific IgG3 Signature of Recurrent Tuberculosis. <i>Frontiers in Immunology</i> , 2021, 12, 729186.	2.2	8
31	Fab and Fc contribute to maximal protection against SARS-CoV-2 following NVX-CoV2373 subunit vaccine with Matrix-M vaccination. <i>Cell Reports Medicine</i> , 2021, 2, 100405.	3.3	110
32	Early cross-coronavirus reactive signatures of humoral immunity against COVID-19. <i>Science Immunology</i> , 2021, 6, eabj2901.	5.6	67
33	Cell-cell communication networks in tissue: Toward quantitatively linking structure with function. <i>Current Opinion in Systems Biology</i> , 2021, 27, 100341.	1.3	2
34	Computational Interspecies Translation Between Alzheimer's Disease Mouse Models and Human Subjects Identifies Innate Immune Complement, TYROBP, and TAM Receptor Agonist Signatures, Distinct From Influences of Aging. <i>Frontiers in Neuroscience</i> , 2021, 15, 727784.	1.4	4
35	Correlates of protection against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2021, 590, 630-634.	13.7	995
36	Selective functional antibody transfer into the breastmilk after SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109959.	2.9	23

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37	COVID-19 mRNA vaccines drive differential antibody Fc-functional profiles in pregnant, lactating, and nonpregnant women. <i>Science Translational Medicine</i> , 2021, 13, eabi8631.	5.8	80
38	Maternal SARS-CoV-2 infection elicits sexually dimorphic placental immune responses. <i>Science Translational Medicine</i> , 2021, 13, eabi7428.	5.8	84
39	Cross-species transcriptomic signatures predict response to MK2 inhibition in mouse models of chronic inflammation. <i>IScience</i> , 2021, 24, 103406.	1.9	3
40	Epidemiological and Immunological Features of Obesity and SARS-CoV-2. <i>Viruses</i> , 2021, 13, 2235.	1.5	15
41	Functional convalescent plasma antibodies and pre-infusion titers shape the early severe COVID-19 immune response. <i>Nature Communications</i> , 2021, 12, 6853.	5.8	41
42	Translatable pathways classification (TransPath-C) for inferring processes germane to human biology from animal studies data: example application in neurobiology. <i>Integrative Biology (United Kingdom)</i> , 2021, , .	0.6	0
43	Reduced antibody activity against SARS-CoV-2 B.1.617.2 delta virus in serum of mRNA-vaccinated individuals receiving tumor necrosis factor- $\alpha$ inhibitors. <i>Med</i> , 2021, 2, 1327-1341.e4.	2.2	31
44	Delayed fractional dosing with RTS,S/AS01 improves humoral immunity to malaria via a balance of polyfunctional NANP6- and Pf16-specific antibodies. <i>Med</i> , 2021, 2, 1269-1286.e9.	2.2	17
45	Passive Transfer of Vaccine-Elicited Antibodies Protects against SIV in Rhesus Macaques. <i>Cell</i> , 2020, 183, 185-196.e14.	13.5	25
46	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2020, 586, 583-588.	13.7	765
47	Mining for humoral correlates of HIV control and latent reservoir size. <i>PLoS Pathogens</i> , 2020, 16, e1008868.	2.1	19
48	In vivo microscopy reveals macrophage polarization locally promotes coherent microtubule dynamics in migrating cancer cells. <i>Nature Communications</i> , 2020, 11, 3521.	5.8	17
49	Dissecting the antibody-OME: past, present, and future. <i>Current Opinion in Immunology</i> , 2020, 65, 89-96.	2.4	12
50	An interspecies translation model implicates integrin signaling in infliximab-resistant inflammatory bowel disease. <i>Science Signaling</i> , 2020, 13, .	1.6	19
51	Mapping functional humoral correlates of protection against malaria challenge following RTS,S/AS01 vaccination. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	100
52	Distinct Early Serological Signatures Track with SARS-CoV-2 Survival. <i>Immunity</i> , 2020, 53, 524-532.e4.	6.6	334
53	SARS-CoV-2-specific ELISA development. <i>Journal of Immunological Methods</i> , 2020, 484-485, 112832.	0.6	77
54	Receptor-Driven ERK Pulses Reconfigure MAPK Signaling and Enable Persistence of Drug-Adapted BRAF-Mutant Melanoma Cells. <i>Cell Systems</i> , 2020, 11, 478-494.e9.	2.9	71

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55	Ad26 vaccine protects against SARS-CoV-2 severe clinical disease in hamsters. <i>Nature Medicine</i> , 2020, 26, 1694-1700.	15.2	275
56	Evolution of Early SARS-CoV-2 and Cross-Coronavirus Immunity. <i>MSphere</i> , 2020, 5, .	1.3	38
57	HIV Antibody Fc N-Linked Glycosylation Is Associated with Viral Rebound. <i>Cell Reports</i> , 2020, 33, 108502.	2.9	19
58	Quick COVID-19 Healers Sustain Anti-SARS-CoV-2 Antibody Production. <i>Cell</i> , 2020, 183, 1496-1507.e16.	13.5	182
59	Compromised Humoral Functional Evolution Tracks with SARS-CoV-2 Mortality. <i>Cell</i> , 2020, 183, 1508-1519.e12.	13.5	263
60	Coagulopathy signature precedes and predicts severity of end-organ heat stroke pathology in a mouse model. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1900-1910.	1.9	30
61	Multiplexed relative and absolute quantitative immunopeptidomics reveals MHC I repertoire alterations induced by CDK4/6 inhibition. <i>Nature Communications</i> , 2020, 11, 2760.	5.8	61
62	Robustness and applicability of transcription factor and pathway analysis tools on single-cell RNA-seq data. <i>Genome Biology</i> , 2020, 21, 36.	3.8	216
63	Translating preclinical models to humans. <i>Science</i> , 2020, 367, 742-743.	6.0	61
64	<i>Clostridioides difficile</i> -Associated Antibiotics Alter Human Mucosal Barrier Functions by Microbiome-Independent Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	7
65	Efficient blockade of locally reciprocated tumor-macrophage signaling using a TAM-avid nanotherapy. <i>Science Advances</i> , 2020, 6, eaaz8521.	4.7	22
66	Fatty Acid Metabolites Combine with Reduced $\hat{I}^2$ Oxidation to Activate Th17 Inflammation in Human Type 2 Diabetes. <i>Cell Metabolism</i> , 2019, 30, 447-461.e5.	7.2	97
67	VISAGE Reveals a Targetable Mitotic Spindle Vulnerability in Cancer Cells. <i>Cell Systems</i> , 2019, 9, 74-92.e8.	2.9	24
68	A systems biology pipeline identifies regulatory networks for stem cell engineering. <i>Nature Biotechnology</i> , 2019, 37, 810-818.	9.4	18
69	Substrate-based kinase activity inference identifies MK2 as driver of colitis. <i>Integrative Biology (United Kingdom)</i> 11, 0784314. <a href="#">DOI: 10.1039/c9ib00061g</a>	0.6	2
70	Development and Application of the Metalloprotease Activity Multiplexed Bead-Based Immunoassay (MAMBI). <i>Biochemistry</i> , 2019, 58, 3938-3942.	1.2	7
71	Proteogenomic Network Analysis of Context-Specific KRAS Signaling in Mouse-to-Human Cross-Species Translation. <i>Cell Systems</i> , 2019, 9, 258-270.e6.	2.9	44
72	Dissecting N-Glycosylation Dynamics in Chinese Hamster Ovary Cells Fed-batch Cultures using Time Course Omics Analyses. <i>iScience</i> , 2019, 12, 102-120.	1.9	45

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73	Fc Glycan-Mediated Regulation of Placental Antibody Transfer. <i>Cell</i> , 2019, 178, 202-215.e14.	13.5	157
74	Small-molecule control of antibody N-glycosylation in engineered mammalian cells. <i>Nature Chemical Biology</i> , 2019, 15, 730-736.	3.9	52
75	IFN- $\gamma$ -independent immune markers of <i>Mycobacterium tuberculosis</i> exposure. <i>Nature Medicine</i> , 2019, 25, 977-987.	15.2	186
76	A new publisher for our new biology. <i>Integrative Biology (United Kingdom)</i> , 2019, 11, 3-3.	0.6	0
77	ROS and Oxidative Stress Are Elevated in Mitosis during Asynchronous Cell Cycle Progression and Are Exacerbated by Mitotic Arrest. <i>Cell Systems</i> , 2019, 8, 163-167.e2.	2.9	92
78	Tissue-Specific Oncogenic Activity of KRASA146T. <i>Cancer Discovery</i> , 2019, 9, 738-755.	7.7	127
79	Computational translation of genomic responses from experimental model systems to humans. <i>PLoS Computational Biology</i> , 2019, 15, e1006286.	1.5	37
80	Acidification of Tumor at Stromal Boundaries Drives Transcriptome Alterations Associated with Aggressive Phenotypes. <i>Cancer Research</i> , 2019, 79, 1952-1966.	0.4	157
81	Deoxycytidine Release from Pancreatic Stellate Cells Promotes Gemcitabine Resistance. <i>Cancer Research</i> , 2019, 79, 5723-5733.	0.4	90
82	Initiation of Antiretroviral Therapy Before Pregnancy Reduces the Risk of Infection-related Hospitalization in Human Immunodeficiency Virus-exposed Uninfected Infants Born in a High-income Country. <i>Clinical Infectious Diseases</i> , 2019, 68, 1193-1203.	2.9	60
83	Reply to Slogrove et al. <i>Clinical Infectious Diseases</i> , 2019, 68, 2158-2158.	2.9	2
84	Predicting the broadly neutralizing antibody susceptibility of the HIV reservoir. <i>JCI Insight</i> , 2019, 4, .	2.3	25
85	Inflammatory but not mitogenic contexts prime synovial fibroblasts for compensatory signaling responses to p38 inhibition. <i>Science Signaling</i> , 2018, 11, .	1.6	24
86	Integrated in vivo multiomics analysis identifies p21-activated kinase signaling as a driver of colitis. <i>Science Signaling</i> , 2018, 11, .	1.6	30
87	In vivo systems biology approaches to chronic immune/inflammatory pathophysiology. <i>Current Opinion in Biotechnology</i> , 2018, 52, 9-16.	3.3	4
88	A Model of Dormant-Emergent Metastatic Breast Cancer Progression Enabling Exploration of Biomarker Signatures. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 619-630.	2.5	43
89	Tyros3-mediated phosphorylation of ACTN4 at tyrosines is FAK-dependent and decreases susceptibility to cleavage by m-Calpain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 95, 73-84.	1.2	15
90	Temporal variation in HIV-specific IgG subclass antibodies during acute infection differentiates spontaneous controllers from chronic progressors. <i>Aids</i> , 2018, 32, 443-450.	1.0	35

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91	Interconnected Microphysiological Systems for Quantitative Biology and Pharmacology Studies. <i>Scientific Reports</i> , 2018, 8, 4530.	1.6	341
92	Functional Genomics Approach Identifies Novel Signaling Regulators of TGF $\beta$ Ectodomain Shedding. <i>Molecular Cancer Research</i> , 2018, 16, 147-161.	1.5	3
93	Integrated mapping of pharmacokinetics and pharmacodynamics in a patient-derived xenograft model of glioblastoma. <i>Nature Communications</i> , 2018, 9, 4904.	5.8	62
94	Analysis of Single-Cell RNA-Seq Identifies Cell-Cell Communication Associated with Tumor Characteristics. <i>Cell Reports</i> , 2018, 25, 1458-1468.e4.	2.9	315
95	Multivariate Computational Analysis of Gamma Delta T Cell Inhibitory Receptor Signatures Reveals the Divergence of Healthy and ART-Suppressed HIV+ Aging. <i>Frontiers in Immunology</i> , 2018, 9, 2783.	2.2	29
96	Route of immunization defines multiple mechanisms of vaccine-mediated protection against SIV. <i>Nature Medicine</i> , 2018, 24, 1590-1598.	15.2	129
97	ADAM10 Sheddase Activity is a Potential Lung-Cancer Biomarker. <i>Journal of Cancer</i> , 2018, 9, 2559-2570.	1.2	30
98	Systems Modeling Identifies Divergent Receptor Tyrosine Kinase Reprogramming to MAPK Pathway Inhibition. <i>Cellular and Molecular Bioengineering</i> , 2018, 11, 451-469.	1.0	9
99	Antigen-specific antibody Fc glycosylation enhances humoral immunity via the recruitment of complement. <i>Science Immunology</i> , 2018, 3, .	5.6	78
100	Exploiting glycan topography for computational design of Env glycoprotein antigenicity. <i>PLoS Computational Biology</i> , 2018, 14, e1006093.	1.5	19
101	A Role for Fc Function in Therapeutic Monoclonal Antibody-Mediated Protection against Ebola Virus. <i>Cell Host and Microbe</i> , 2018, 24, 221-233.e5.	5.1	182
102	The colonic epithelium plays an active role in promoting colitis by shaping the tissue cytokine profile. <i>PLoS Biology</i> , 2018, 16, e2002417.	2.6	47
103	Peritoneal fluid cytokines related to endometriosis in patients evaluated for infertility. <i>Fertility and Sterility</i> , 2017, 107, 1191-1199.e2.	0.5	80
104	On-demand dissolution of modular, synthetic extracellular matrix reveals local epithelial-stromal communication networks. <i>Biomaterials</i> , 2017, 130, 90-103.	5.7	83
105	Integrated Assessment of Diclofenac Biotransformation, Pharmacokinetics, and Omics-Based Toxicity in a Three-Dimensional Human Liver-Immunocompetent Coculture System. <i>Drug Metabolism and Disposition</i> , 2017, 45, 855-866.	1.7	56
106	Molecular Pathways: Receptor Ectodomain Shedding in Treatment, Resistance, and Monitoring of Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 623-629.	3.2	87
107	An engineering design approach to systems biology. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 574-583.	0.6	22
108	Simultaneous Detection of Metalloprotease Activities in Complex Biological Samples Using the PrAMA (Proteolytic Activity Matrix Assay) Method. <i>Methods in Molecular Biology</i> , 2017, 1574, 243-253.	0.4	7

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109	Studies of TAK1-centered polypharmacology with novel covalent TAK1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1320-1328.	1.4	17
110	Tyro3 carboxyl terminal region confers stability and contains the autophosphorylation sites. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1074-1079.	1.0	3
111	Apoptotic Bodies Elicit Gas6-Mediated Migration of AXL-Expressing Tumor Cells. <i>Molecular Cancer Research</i> , 2017, 15, 1656-1666.	1.5	27
112	Integrated gut/liver microphysiological systems elucidates inflammatory inter-tissue crosstalk. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2648-2659.	1.7	151
113	Genital Systemic Chemokine Gradients and the Risk of HIV Acquisition in Women. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 318-325.	0.9	64
114	Hepatic Dysfunction Caused by Consumption of a High-Fat Diet. <i>Cell Reports</i> , 2017, 21, 3317-3328.	2.9	68
115	DNA Repair Capacity in Multiple Pathways Predicts Chemoresistance in Glioblastoma Multiforme. <i>Cancer Research</i> , 2017, 77, 198-206.	0.4	96
116	Profiling drugs for rheumatoid arthritis that inhibit synovial fibroblast activation. <i>Nature Chemical Biology</i> , 2017, 13, 38-45.	3.9	56
117	Macrophage-Secreted TNF and TGF $\beta$ 1 Influence Migration Speed and Persistence of Cancer Cells in 3D Tissue Culture via Independent Pathways. <i>Cancer Research</i> , 2017, 77, 279-290.	0.4	86
118	Profiling of metalloprotease activities in cerebrospinal fluids of patients with neoplastic meningitis. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 22.	2.4	12
119	Modification of proteolytic activity matrix analysis (PrAMA) to measure ADAM10 and ADAM17 shedase activities in cell and tissue lysates. <i>Journal of Cancer</i> , 2017, 8, 3916-3932.	1.2	3
120	Advances in the quantification of mitochondrial function in primary human immune cells through extracellular flux analysis. <i>PLoS ONE</i> , 2017, 12, e0170975.	1.1	61
121	Oncogenic KRAS Regulates Tumor Cell Signaling via Stromal Reciprocation. <i>Cell</i> , 2016, 165, 910-920.	13.5	267
122	Mena <sup>INV</sup> mediates synergistic cross-talk between signaling pathways driving chemotaxis and haptotaxis. <i>Molecular Biology of the Cell</i> , 2016, 27, 3085-3094.	0.9	12
123	A Functional Role for Antibodies in Tuberculosis. <i>Cell</i> , 2016, 167, 433-443.e14.	13.5	461
124	Synergistic Communication between CD4+ T Cells and Monocytes Impacts the Cytokine Environment. <i>Scientific Reports</i> , 2016, 6, 34942.	1.6	18
125	The alternatively-included 11a sequence modifies the effects of Mena on actin cytoskeletal organization and cell behavior. <i>Scientific Reports</i> , 2016, 6, 35298.	1.6	22
126	TNF-insulin crosstalk at the transcription factor GATA6 is revealed by a model that links signaling and transcriptomic data tensors. <i>Science Signaling</i> , 2016, 9, ra59.	1.6	25



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127	Differential selective pressure alters rate of drug resistance acquisition in heterogeneous tumor populations. <i>Scientific Reports</i> , 2016, 6, 36198.	1.6	14
128	Pathway-based network modeling finds hidden genes in shRNA screen for regulators of acute lymphoblastic leukemia. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 761-774.	0.6	5
129	Tumor Cellâ€Driven Extracellular Matrix Remodeling Drives Haptotaxis during Metastatic Progression. <i>Cancer Discovery</i> , 2016, 6, 516-531.	7.7	164
130	Reduced Proteolytic Shedding of Receptor Tyrosine Kinases Is a Post-Translational Mechanism of Kinase Inhibitor Resistance. <i>Cancer Discovery</i> , 2016, 6, 382-399.	7.7	139
131	Th17 cytokines differentiate obesity from obesityâ€associated type 2 diabetes and promote <sc>TNF</sc>± production. <i>Obesity</i> , 2016, 24, 102-112.	1.5	96
132	Exploiting Temporal Collateral Sensitivity in Tumor Clonal Evolution. <i>Cell</i> , 2016, 165, 234-246.	13.5	111
133	Modeling Tumor Clonal Evolution for Drug Combinations Design. <i>Trends in Cancer</i> , 2016, 2, 144-158.	3.8	43
134	Inflammatory cytokine biomarkers to identify women with asymptomatic sexually transmitted infections and bacterial vaginosis who are at high risk of HIV infection. <i>Sexually Transmitted Infections</i> , 2016, 92, 186-193.	0.8	50
135	Increased levels of inflammatory cytokines in the female reproductive tract are associated with altered expression of proteases, mucosal barrier proteins, and an influx of HIV-susceptible target cells. <i>Mucosal Immunology</i> , 2016, 9, 194-205.	2.7	205
136	Identification of neurotoxic cytokines by profiling Alzheimerâ€™s disease tissues and neuron culture viability screening. <i>Scientific Reports</i> , 2015, 5, 16622.	1.6	61
137	Targeting autocrine HB-EGF signaling with specific ADAM12 inhibition using recombinant ADAM12 prodomain. <i>Scientific Reports</i> , 2015, 5, 15150.	1.6	24
138	Tandem phosphorylation within an intrinsically disordered region regulates ACTN4 function. <i>Science Signaling</i> , 2015, 8, ra51.	1.6	25
139	Network-level effects of kinase inhibitors modulate TNF-â€induced apoptosis in the intestinal epithelium. <i>Science Signaling</i> , 2015, 8, ra129.	1.6	19
140	ADAM8 as a drug target in pancreatic cancer. <i>Nature Communications</i> , 2015, 6, 6175.	5.8	85
141	Genital Inflammation and the Risk of HIV Acquisition in Women. <i>Clinical Infectious Diseases</i> , 2015, 61, 260-269.	2.9	354
142	Dissecting Polyclonal Vaccine-Induced Humoral Immunity against HIV Using Systems Serology. <i>Cell</i> , 2015, 163, 988-998.	13.5	326
143	CD4 <sup>+</sup> T cellâ€dependent and CD4 <sup>+</sup> T cellâ€independent cytokine-chemokine network changes in the immune responses of HIV-infected individuals. <i>Science Signaling</i> , 2015, 8, ra104.	1.6	20
144	PTP1B-dependent regulation of receptor tyrosine kinase signaling by the actin-binding protein Mena. <i>Molecular Biology of the Cell</i> , 2015, 26, 3867-3878.	0.9	31

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145	Molecular Signatures of Immune Activation and Epithelial Barrier Remodeling Are Enhanced during the Luteal Phase of the Menstrual Cycle: Implications for HIV Susceptibility. <i>Journal of Virology</i> , 2015, 89, 8793-8805.	1.5	45
146	The AXL Receptor Is a Sensor of Ligand Spatial Heterogeneity. <i>Cell Systems</i> , 2015, 1, 25-36.	2.9	41
147	Prioritisation and Network Analysis of Crohn's Disease Susceptibility Genes. <i>PLoS ONE</i> , 2014, 9, e108624.	1.1	4
148	Molecular Network Analysis of Endometriosis Reveals a Role for c-Jun-Regulated Macrophage Activation. <i>Science Translational Medicine</i> , 2014, 6, 222ra16.	5.8	124
149	Microfluidic probe for single-cell analysis in adherent tissue culture. <i>Nature Communications</i> , 2014, 5, 3421.	5.8	90
150	Addressing Genetic Tumor Heterogeneity through Computationally Predictive Combination Therapy. <i>Cancer Discovery</i> , 2014, 4, 166-174.	7.7	92
151	An Inflammatory Profile that Predicts the Development of Neutralizing Antibody Breadth. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A35-A36.	0.5	2
152	Cell-specific Labeling Enzymes for Analysis of Cell-Cell Communication in Continuous Co-culture. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1866-1876.	2.5	31
153	Evolution of a Biological Journal. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 8-8.	0.6	0
154	Reply to Azuaje: Predicting effective combined therapies for heterogeneous tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4288-E4288.	3.3	0
155	Intratumor heterogeneity alters most effective drugs in designed combinations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10773-10778.	3.3	94
156	Qualitatively Different T Cell Phenotypic Responses to IL-2 versus IL-15 Are Unified by Identical Dependences on Receptor Signal Strength and Duration. <i>Journal of Immunology</i> , 2014, 192, 123-135.	0.4	45
157	A microphysiological system model of therapy for liver micrometastases. <i>Experimental Biology and Medicine</i> , 2014, 239, 1170-1179.	1.1	48
158	Approaches to in vitro tissue regeneration with application for human disease modeling and drug development. <i>Drug Discovery Today</i> , 2014, 19, 754-762.	3.2	39
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