

Peter K Sorger

List of Publications by Year in descending order

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276
papers

40,168
citations

2543

96
h-index

3260

185
g-index

340
all docs

340
docs citations

340
times ranked

47107
citing authors

#	ARTICLE	IF	CITATIONS
1	Scope2Screen: Focus+Context Techniques for Pathology Tumor Assessment in Multivariate Image Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 259-269.	2.9	9
2	Narrative online guides for the interpretation of digital-pathology images and tissue-atlas data. <i>Nature Biomedical Engineering</i> , 2022, 6, 515-526.	11.6	17
3	MCMICRO: a scalable, modular image-processing pipeline for multiplexed tissue imaging. <i>Nature Methods</i> , 2022, 19, 311-315.	9.0	102
4	Independent Drug Action in Combination Therapy: Implications for Precision Oncology. <i>Cancer Discovery</i> , 2022, 12, 606-624.	7.7	93
5	Predictable Clinical Benefits without Evidence of Synergy in Trials of Combination Therapies with Immune-Checkpoint Inhibitors. <i>Clinical Cancer Research</i> , 2022, 28, 368-377.	3.2	40
6	Single-cell tumor-immune microenvironment of BRCA1/2 mutated high-grade serous ovarian cancer. <i>Nature Communications</i> , 2022, 13, 835.	5.8	32
7	Three-dimensional spatial transcriptomics uncovers cell type localizations in the human rheumatoid arthritis synovium. <i>Communications Biology</i> , 2022, 5, 129.	2.0	35
8	Abstract P4-04-06: Integrative analysis of single-cell transcriptomic and spatial profiles characterized distinct tumor microenvironment phenotypes in hormone receptor positive (HR+) breast cancer. <i>Cancer Research</i> , 2022, 82, P4-04-06-P4-04-06.	0.4	1
9	Cancer patient survival can be parametrized to improve trial precision and reveal time-dependent therapeutic effects. <i>Nature Communications</i> , 2022, 13, 873.	5.8	13
10	Abstract P2-07-13: High-dimensional, single-cell analysis and transcriptional profiling reveal novel correlates of response to PARP inhibition plus PD-1 blockade in triple-negative breast cancer. <i>Cancer Research</i> , 2022, 82, P2-07-13-P2-07-13.	0.4	0
11	MITI minimum information guidelines for highly multiplexed tissue images. <i>Nature Methods</i> , 2022, 19, 262-267.	9.0	37
12	Temporal and spatial topography of cell proliferation in cancer. <i>Nature Cell Biology</i> , 2022, 24, 316-326.	4.6	34
13	The Spatial Landscape of Progression and Immunoediting in Primary Melanoma at Single-Cell Resolution. <i>Cancer Discovery</i> , 2022, 12, 1518-1541.	7.7	87
14	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy. <i>Science Advances</i> , 2022, 8, eabl6339.	4.7	6
15	A human breast atlas integrating single-cell proteomics and transcriptomics. <i>Developmental Cell</i> , 2022, 57, 1400-1420.e7.	3.1	50
16	Fides: Reliable trust-region optimization for parameter estimation of ordinary differential equation models. <i>PLoS Computational Biology</i> , 2022, 18, e1010322.	1.5	11
17	Drug independence and the curability of cancer by combination chemotherapy. <i>Trends in Cancer</i> , 2022, 8, 915-929.	3.8	49
18	The Dark Kinase Knowledgebase: an online compendium of knowledge and experimental results of understudied kinases. <i>Nucleic Acids Research</i> , 2021, 49, D529-D535.	6.5	75

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19	Concurrent Dexamethasone Limits the Clinical Benefit of Immune Checkpoint Blockade in Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 276-287.	3.2	100
20	Clinical Efficacy and Molecular Response Correlates of the WEE1 Inhibitor Adavosertib Combined with Cisplatin in Patients with Metastatic Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 983-991.	3.2	29
21	Targeting immunosuppressive macrophages overcomes PARP inhibitor resistance in BRCA1-associated triple-negative breast cancer. <i>Nature Cancer</i> , 2021, 2, 66-82.	5.7	126
22	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. <i>Nature Medicine</i> , 2021, 27, 289-300.	15.2	64
23	Heterogeneity and Clonal Evolution of Acquired PARP Inhibitor Resistance in <i>TP53</i> and <i>BRCA1</i> -Deficient Cells. <i>Cancer Research</i> , 2021, 81, 2774-2787.	0.4	17
24	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. <i>Scientific Reports</i> , 2021, 11, 2051.	1.6	34
25	HAND1 and BARX1 Act as Transcriptional and Anatomic Determinants of Malignancy in Gastrointestinal Stromal Tumor. <i>Clinical Cancer Research</i> , 2021, 27, 1706-1719.	3.2	14
26	Machine learning identifies candidates for drug repurposing in Alzheimer's disease. <i>Nature Communications</i> , 2021, 12, 1033.	5.8	124
27	GeneWalk identifies relevant gene functions for a biological context using network representation learning. <i>Genome Biology</i> , 2021, 22, 55.	3.8	28
28	Discovery and resistance mechanism of a selective CDK12 degrader. <i>Nature Chemical Biology</i> , 2021, 17, 675-683.	3.9	69
29	Time-resolved phosphoproteomics reveals scaffolding and catalysis-responsive patterns of SHP2-dependent signaling. <i>ELife</i> , 2021, 10, .	2.8	17
30	A Crisis-Responsive Framework for Medical Device Development Applied to the COVID-19 Pandemic. <i>Frontiers in Digital Health</i> , 2021, 3, .	1.5	14
31	Evolution of delayed resistance to immunotherapy in a melanoma responder. <i>Nature Medicine</i> , 2021, 27, 985-992.	15.2	67
32	3D Printed frames to enable reuse and improve the fit of N95 and KN95 respirators. <i>BMC Biomedical Engineering</i> , 2021, 3, 10.	1.7	12
33	Assessing the filtration efficiency and regulatory status of N95s and nontraditional filtering face-piece respirators available during the COVID-19 pandemic. <i>BMC Infectious Diseases</i> , 2021, 21, 712.	1.3	16
34	Genome-encoded cytoplasmic double-stranded RNAs, found in <i>C9ORF72</i> ALS-FTD brain, propagate neuronal loss. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	27
35	Abstract 2747: Single-cell tumor-immune microenvironment of BRCA1/2 mutated high-grade serous ovarian cancer. , 2021, , .		0
36	Abstract 4: Temporal and spatial topography of cell proliferation in cancer. , 2021, , .		1

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37	Abstract 482: Rapid highly multiplexed immunoprofiling of human fixed tissues by Orion imaging. , 2021, , .		1
38	Abstract 1816: Phenogenomic characterization of immunomodulatory purinergic signaling in glioblastoma. , 2021, , .		0
39	Recombination and lineage-specific mutations linked to the emergence of SARS-CoV-2. <i>Genome Medicine</i> , 2021, 13, 124.	3.6	16
40	De Novo Powered Air-Purifying Respirator Design and Fabrication for Pandemic Response. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 690905.	2.0	3
41	Differentiable biology: using deep learning for biophysics-based and data-driven modeling of molecular mechanisms. <i>Nature Methods</i> , 2021, 18, 1169-1180.	9.0	44
42	Myeloid antigen-presenting cell niches sustain antitumor T cells and license PD-1 blockade via CD28 costimulation. <i>Cancer Cell</i> , 2021, 39, 1623-1642.e20.	7.7	64
43	Development and Characterization of a Wee1 Kinase Degradar. <i>Cell Chemical Biology</i> , 2020, 27, 57-65.e9.	2.5	68
44	Biophysical prediction of protein-peptide interactions and signaling networks using machine learning. <i>Nature Methods</i> , 2020, 17, 175-183.	9.0	68
45	Facetto: Combining Unsupervised and Supervised Learning for Hierarchical Phenotype Analysis in Multi-Channel Image Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2020, 26, 227-237.	2.9	32
46	Torin2 Exploits Replication and Checkpoint Vulnerabilities to Cause Death of PI3K-Activated Triple-Negative Breast Cancer Cells. <i>Cell Systems</i> , 2020, 10, 66-81.e11.	2.9	26
47	Inhibition of Haspin Kinase Promotes Cell-Intrinsic and Extrinsic Antitumor Activity. <i>Cancer Research</i> , 2020, 80, 798-810.	0.4	22
48	SYLARAS: A Platform for the Statistical Analysis and Visual Display of Systemic Immunoprofiling Data and Its Application to Glioblastoma. <i>Cell Systems</i> , 2020, 11, 272-285.e9.	2.9	8
49	Vascular Disease and Thrombosis in SARS-CoV-2-Infected Rhesus Macaques. <i>Cell</i> , 2020, 183, 1354-1366.e13.	13.5	184
50	Chemical Biology Toolkit for DCLK1 Reveals Connection to RNA Processing. <i>Cell Chemical Biology</i> , 2020, 27, 1229-1240.e4.	2.5	19
51	A Proof of Concept for Biomarker-Guided Targeted Therapy against Ovarian Cancer Based on Patient-Derived Tumor Xenografts. <i>Cancer Research</i> , 2020, 80, 4278-4287.	0.4	12
52	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
53	Comparing the Efficacy of Cancer Therapies between Subgroups in Basket Trials. <i>Cell Systems</i> , 2020, 11, 449-460.e2.	2.9	6
54	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <i>Cell</i> , 2020, 183, 1848-1866.e26.	13.5	347

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55	Development of CDK2 and CDK5 Dual Degradable TMX-2172. <i>Angewandte Chemie</i> , 2020, 132, 13969-13974.	1.6	2
56	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. <i>Science</i> , 2020, 369, 812-817.	6.0	789
57	Development of CDK2 and CDK5 Dual Degradable TMX-2172. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13865-13870.	7.2	47
58	A single-cell landscape of high-grade serous ovarian cancer. <i>Nature Medicine</i> , 2020, 26, 1271-1279.	15.2	267
59	Personal Protective Equipment for COVID-19: Distributed Fabrication and Additive Manufacturing. <i>American Journal of Public Health</i> , 2020, 110, 1162-1164.	1.5	35
60	Regulatory and Safety Considerations in Deploying a Locally Fabricated, Reusable Face Shield in a Hospital Responding to the COVID-19 Pandemic. <i>Med</i> , 2020, 1, 139-151.e4.	2.2	32
61	Immunogenomic profiling determines responses to combined PARP and PD-1 inhibition in ovarian cancer. <i>Nature Communications</i> , 2020, 11, 1459.	5.8	176
62	Selective USP7 inhibition elicits cancer cell killing through a p53-dependent mechanism. <i>Scientific Reports</i> , 2020, 10, 5324.	1.6	69
63	Fibroblast-tumor cell signaling limits HER2 kinase therapy response via activation of mTOR and antiapoptotic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16500-16508.	3.3	23
64	Response and Mechanisms of Resistance to Larotrectinib and Selperetinib in Metastatic Undifferentiated Sarcoma Harboring Oncogenic Fusion of <i>NTRK1</i> . <i>JCO Precision Oncology</i> , 2020, 4, 79-90.	1.5	27
65	Structure-Based Design of a Potent and Selective Covalent Inhibitor for SRC Kinase That Targets a P-Loop Cysteine. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1624-1641.	2.9	27
66	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. <i>Cell</i> , 2020, 181, 236-249.	13.5	334
67	HSF1 phase transition mediates stress adaptation and cell fate decisions. <i>Nature Cell Biology</i> , 2020, 22, 151-158.	4.6	67
68	Minerva: a light-weight, narrative image browser for multiplexed tissue images. <i>Journal of Open Source Software</i> , 2020, 5, 2579.	2.0	22
69	Receptor-based mechanism of relative sensing and cell memory in mammalian signaling networks. <i>ELife</i> , 2020, 9, .	2.8	24
70	Channel Embedding for Informative Protein Identification from Highly Multiplexed Images. <i>Lecture Notes in Computer Science</i> , 2020, 12265, 3-13.	1.0	3
71	A Multi-center Study on the Reproducibility of Drug-Response Assays in Mammalian Cell Lines. <i>Cell Systems</i> , 2019, 9, 35-48.e5.	2.9	95
72	Qualifying antibodies for image-based immune profiling and multiplexed tissue imaging. <i>Nature Protocols</i> , 2019, 14, 2900-2930.	5.5	92

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73	Multiomics Profiling Establishes the Polypharmacology of FDA-Approved CDK4/6 Inhibitors and the Potential for Differential Clinical Activity. <i>Cell Chemical Biology</i> , 2019, 26, 1067-1080.e8.	2.5	151
74	INDRA-IPM: interactive pathway modeling using natural language with automated assembly. <i>Bioinformatics</i> , 2019, 35, 4501-4503.	1.8	18
75	Adaptation of Human iPSC-Derived Cardiomyocytes to Tyrosine Kinase Inhibitors Reduces Acute Cardiotoxicity via Metabolic Reprogramming. <i>Cell Systems</i> , 2019, 8, 412-426.e7.	2.9	49
76	Development of a Selective CDK7 Covalent Inhibitor Reveals Predominant Cell-Cycle Phenotype. <i>Cell Chemical Biology</i> , 2019, 26, 792-803.e10.	2.5	103
77	A multitargeted probe-based strategy to identify signaling vulnerabilities in cancers. <i>Journal of Biological Chemistry</i> , 2019, 294, 8664-8673.	1.6	11
78	Cheminformatics Tools for Analyzing and Designing Optimized Small-Molecule Collections and Libraries. <i>Cell Chemical Biology</i> , 2019, 26, 765-777.e3.	2.5	59
79	Leveraging Compound Promiscuity to Identify Targetable Cysteines within the Kinome. <i>Cell Chemical Biology</i> , 2019, 26, 818-829.e9.	2.5	43
80	Discovery of Covalent CDK14 Inhibitors with Pan-TAIRE Family Specificity. <i>Cell Chemical Biology</i> , 2019, 26, 804-817.e12.	2.5	19
81	Inferring reaction network structure from single-cell, multiplex data, using toric systems theory. <i>PLoS Computational Biology</i> , 2019, 15, e1007311.	1.5	15
82	A dynamic view of the proteomic landscape during differentiation of ReNcell VM cells, an immortalized human neural progenitor line. <i>Scientific Data</i> , 2019, 6, 190016.	2.4	34
83	A curative combination cancer therapy achieves high fractional cell killing through low cross-resistance and drug additivity. <i>ELife</i> , 2019, 8, .	2.8	78
84	Inferring reaction network structure from single-cell, multiplex data, using toric systems theory. , 2019, 15, e1007311.		0
85	Inferring reaction network structure from single-cell, multiplex data, using toric systems theory. , 2019, 15, e1007311.		0
86	Inferring reaction network structure from single-cell, multiplex data, using toric systems theory. , 2019, 15, e1007311.		0
87	Inferring reaction network structure from single-cell, multiplex data, using toric systems theory. , 2019, 15, e1007311.		0
88	Inflammatory but not mitogenic contexts prime synovial fibroblasts for compensatory signaling responses to p38 inhibition. <i>Science Signaling</i> , 2018, 11, .	1.6	24
89	Multiplexed immunofluorescence reveals potential PD-1/PD-L1 pathway vulnerabilities in craniopharyngioma. <i>Neuro-Oncology</i> , 2018, 20, 1101-1112.	0.6	67
90	The Library of Integrated Network-Based Cellular Signatures NIH Program: System-Level Cataloging of Human Cells Response to Perturbations. <i>Cell Systems</i> , 2018, 6, 13-24.	2.9	327

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91	Small-Molecule Screen Identifies De Novo Nucleotide Synthesis as a Vulnerability of Cells Lacking SIRT3. <i>Cell Reports</i> , 2018, 22, 1945-1955.	2.9	31
92	A High Content Screen in Macrophages Identifies Small Molecule Modulators of STING-IRF3 and NFkB Signaling. <i>ACS Chemical Biology</i> , 2018, 13, 1066-1081.	1.6	21
93	Mismatch Repair Deficiency in High-Grade Meningioma: A Rare but Recurrent Event Associated With Dramatic Immune Activation and Clinical Response to PD-1 Blockade. <i>JCO Precision Oncology</i> , 2018, 2018, 1-12.	1.5	35
94	A Cancer Cell Program Promotes T Cell Exclusion and Resistance to Checkpoint Blockade. <i>Cell</i> , 2018, 175, 984-997.e24.	13.5	892
95	FamPlex: a resource for entity recognition and relationship resolution of human protein families and complexes in biomedical text mining. <i>BMC Bioinformatics</i> , 2018, 19, 248.	1.2	29
96	Highly multiplexed immunofluorescence imaging of human tissues and tumors using t-CyCIF and conventional optical microscopes. <i>ELife</i> , 2018, 7, .	2.8	474
97	CRAN-11. MULTIPLEXED IMMUNOFLUORESCENCE REVEALS POTENTIAL PD-1/PD-L1 PATHWAY VULNERABILITIES IN CRANIOPHARYNGIOMA. <i>Neuro-Oncology</i> , 2018, 20, i39-i39.	0.6	2
98	Encoding Growth Factor Identity in the Temporal Dynamics of FOXO3 under the Combinatorial Control of ERK and AKT Kinases. <i>Cell Systems</i> , 2018, 6, 664-678.e9.	2.9	45
99	Adaptive resistance of melanoma cells to <sc>RAF</sc> inhibition via reversible induction of a slowly dividing deâ€differentiated state. <i>Molecular Systems Biology</i> , 2017, 13, 905.	3.2	202
100	Fundamental trade-offs between information flow in single cells and cellular populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5755-5760.	3.3	106
101	Measuring Cancer Drug Sensitivity and Resistance in Cultured Cells. <i>Current Protocols in Chemical Biology</i> , 2017, 9, 55-74.	1.7	31
102	Alternative drug sensitivity metrics improve preclinical cancer pharmacogenomics. <i>Nature Biotechnology</i> , 2017, 35, 500-502.	9.4	68
103	Structure-guided development of covalent TAK1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 838-846.	1.4	28
104	Studies of TAK1-centered polypharmacology with novel covalent TAK1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1320-1328.	1.4	17
105	Common and cell-type specific responses to anti-cancer drugs revealed by high throughput transcript profiling. <i>Nature Communications</i> , 2017, 8, 1186.	5.8	78
106	Multiplexed Exchange-PAINT imaging reveals ligand-dependent EGFR and Met interactions in the plasma membrane. <i>Scientific Reports</i> , 2017, 7, 12150.	1.6	29
107	Combination Cancer Therapy Can Confer Benefit via Patient-to-Patient Variability without Drug Additivity or Synergy. <i>Cell</i> , 2017, 171, 1678-1691.e13.	13.5	467
108	From word models to executable models of signaling networks using automated assembly. <i>Molecular Systems Biology</i> , 2017, 13, 954.	3.2	137

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109	Quantification of sensitivity and resistance of breast cancer cell lines to anti-cancer drugs using GR metrics. <i>Scientific Data</i> , 2017, 4, 170166.	2.4	34
110	Designing Drug-Response Experiments and Quantifying their Results. <i>Current Protocols in Chemical Biology</i> , 2017, 9, 96-116.	1.7	30
111	Profiling drugs for rheumatoid arthritis that inhibit synovial fibroblast activation. <i>Nature Chemical Biology</i> , 2017, 13, 38-45.	3.9	56
112	Deletion of the MAD2L1 spindle assembly checkpoint gene is tolerated in mouse models of acute T-cell lymphoma and hepatocellular carcinoma. <i>ELife</i> , 2017, 6, .	2.8	56
113	GRcalculator: an online tool for calculating and mining dose-response data. <i>BMC Cancer</i> , 2017, 17, 698.	1.1	64
114	Reproducibility will only come with data liberation. <i>Science Translational Medicine</i> , 2016, 8, 339ed7.	5.8	9
115	Cyclic Immunofluorescence (CyclIF), A Highly Multiplexed Method for Single-cell Imaging. <i>Current Protocols in Chemical Biology</i> , 2016, 8, 251-264.	1.7	142
116	L1000CDS2: LINCS L1000 characteristic direction signatures search engine. <i>Npj Systems Biology and Applications</i> , 2016, 2, .	1.4	250
117	Dissecting the multicellular ecosystem of metastatic melanoma by single-cell RNA-seq. <i>Science</i> , 2016, 352, 189-196.	6.0	3,421
118	Growth rate inhibition metrics correct for confounders in measuring sensitivity to cancer drugs. <i>Nature Methods</i> , 2016, 13, 521-527.	9.0	489
119	Conservation of protein abundance patterns reveals the regulatory architecture of the EGFR-MAPK pathway. <i>Science Signaling</i> , 2016, 9, rs6.	1.6	119
120	Fractional killing arises from cell-to-cell variability in overcoming a caspase activity threshold. <i>Molecular Systems Biology</i> , 2015, 11, 803.	3.2	132
121	Surviving apoptosis: life-death signaling in single cells. <i>Trends in Cell Biology</i> , 2015, 25, 446-458.	3.6	120
122	Highly multiplexed imaging of single cells using a high-throughput cyclic immunofluorescence method. <i>Nature Communications</i> , 2015, 6, 8390.	5.8	428
123	Systematic analysis of BRAF ^{V600E} melanomas reveals a role for JNK/c-Jun pathway in adaptive resistance to drug-induced apoptosis. <i>Molecular Systems Biology</i> , 2015, 11, 797.	3.2	84
124	LINCS Canvas Browser: interactive web app to query, browse and interrogate LINCS L1000 gene expression signatures. <i>Nucleic Acids Research</i> , 2014, 42, W449-W460.	6.5	280
125	Intra- and Interdimeric Caspase-8 Self-Cleavage Controls Strength and Timing of CD95-Induced Apoptosis. <i>Science Signaling</i> , 2014, 7, ra23.	1.6	63
126	Failure analysis of clinical trials to test the amyloid hypothesis. <i>Annals of Neurology</i> , 2014, 76, 159-161.	2.8	14

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127	Chromosome instability induced by Mps1 and p53 mutation generates aggressive lymphomas exhibiting aneuploidy-induced stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13427-13432.	3.3	82
128	A Noncanonical Frizzled2 Pathway Regulates Epithelial-Mesenchymal Transition and Metastasis. Cell, 2014, 159, 844-856.	13.5	296
129	A multiscale statistical mechanical framework integrates biophysical and genomic data to assemble cancer networks. Nature Genetics, 2014, 46, 1363-1371.	9.4	60
130	Analysis of growth factor signaling in genetically diverse breast cancer lines. BMC Biology, 2014, 12, 20.	1.7	34
131	<i>S.Âcerevisiae</i> Chromosomes Biorient via Gradual Resolution of Syntely between S Phase and Anaphase. Cell, 2013, 154, 1127-1139.	13.5	34
132	BID Preferentially Activates BAK while BIM Preferentially Activates BAX, Affecting Chemotherapy Response. Molecular Cell, 2013, 51, 751-765.	4.5	200
133	Programming biological models in Python using PySB. Molecular Systems Biology, 2013, 9, 646.	3.2	216
134	Profiles of Basal and Stimulated Receptor Signaling Networks Predict Drug Response in Breast Cancer Lines. Science Signaling, 2013, 6, ra84.	1.6	90
135	Metrics other than potency reveal systematic variation in responses to cancer drugs. Nature Chemical Biology, 2013, 9, 708-714.	3.9	280
136	Properties of cell death models calibrated and compared using Bayesian approaches. Molecular Systems Biology, 2013, 9, 644.	3.2	89
137	Discovering causal pathways linking genomic events to transcriptional states using Tied Diffusion Through Interacting Events (TieDIE). Bioinformatics, 2013, 29, 2757-2764.	1.8	189
138	Profiling phospho-signaling networks in breast cancer using reverse-phase protein arrays. Oncogene, 2013, 32, 3470-3476.	2.6	70
139	Mass Spectrometry Based Method to Increase Throughput for Kinome Analyses Using ATP Probes. Analytical Chemistry, 2013, 85, 4666-4674.	3.2	30
140	Real-time imaging of the dynamics of death receptors and therapeutics that overcome TRAIL resistance in tumors. Oncogene, 2013, 32, 2818-2827.	2.6	44
141	Modulating cell-to-cell variability and sensitivity to death ligands by co-drugging. Physical Biology, 2013, 10, 035002.	0.8	19
142	Spindle checkpoint deficiency is tolerated by murine epidermal cells but not hair follicle stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2928-2933.	3.3	47
143	Phosphotyrosine Signaling Proteins that Drive Oncogenesis Tend to be Highly Interconnected. Molecular and Cellular Proteomics, 2013, 12, 1204-1213.	2.5	31
144	Cells surviving fractional killing by TRAIL exhibit transient but sustainable resistance and inflammatory phenotypes. Molecular Biology of the Cell, 2013, 24, 2186-2200.	0.9	84

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145	Decision-Tree Based Model Analysis for Efficient Identification of Parameter Relations Leading to Different Signaling States. PLoS ONE, 2013, 8, e82593.	1.1	13
146	Exploring the Contextual Sensitivity of Factors that Determine Cell-to-Cell Variability in Receptor-Mediated Apoptosis. PLoS Computational Biology, 2012, 8, e1002482.	1.5	79
147	Kinome-wide Selectivity Profiling of ATP-competitive Mammalian Target of Rapamycin (mTOR) Inhibitors and Characterization of Their Binding Kinetics. Journal of Biological Chemistry, 2012, 287, 9742-9752.	1.6	89
148	An expanding role for cell biologists in drug discovery and pharmacology. Molecular Biology of the Cell, 2012, 23, 4162-4164.	0.9	17
149	A Dual Array-Based Approach to Assess the Abundance and Posttranslational Modification State of Signaling Proteins. Science Signaling, 2012, 5, p11.	1.6	22
150	Sequential Application of Anticancer Drugs Enhances Cell Death by Rewiring Apoptotic Signaling Networks. Cell, 2012, 149, 780-794.	13.5	621
151	Creating and analyzing pathway and protein interaction compendia for modelling signal transduction networks. BMC Systems Biology, 2012, 6, 29.	3.0	71
152	Discovery of Potent and Selective Covalent Inhibitors of JNK. Chemistry and Biology, 2012, 19, 140-154.	6.2	286
153	MEASURING AND MODELING LIFE–DEATH DECISIONS IN SINGLE CELLS. FASEB Journal, 2012, 26, 228.1.	0.2	1
154	Lyapunov exponents and phase diagrams reveal multi–factorial control over TRAIL–induced apoptosis. Molecular Systems Biology, 2011, 7, 553.	3.2	62
155	Understanding and Tracking Pro- and Anti-Apoptotic BCL-2 protein Interactions and their Relation to Cancer in Extrinsic Apoptosis. Biophysical Journal, 2011, 100, 164a-165a.	0.2	1
156	Live Cell Imaging of Yeast. Cold Spring Harbor Protocols, 2011, 2011, pdb.top065482.	0.2	30
157	Measuring and Modeling Apoptosis in Single Cells. Cell, 2011, 144, 926-939.	13.5	354
158	Rapid Phospho-Turnover by Receptor Tyrosine Kinases Impacts Downstream Signaling and Drug Binding. Molecular Cell, 2011, 43, 723-737.	4.5	118
159	Adaptive informatics for multifactorial and high-content biological data. Nature Methods, 2011, 8, 487-492.	9.0	65
160	New approaches to modeling complex biochemistry. Nature Methods, 2011, 8, 130-131.	9.0	31
161	Analysis of Mitosis and Antimitotic Drug Responses in Tumors by <i>In Vivo</i> Microscopy and Single-Cell Pharmacodynamics. Cancer Research, 2011, 71, 4608-4616.	0.4	146
162	Snapshots of Protein Dynamics and Post-translational Modifications In One Experiment– β -Catenin and Its Functions. Molecular and Cellular Proteomics, 2011, 10, M110.007377.	2.5	18

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163	Mps1 at kinetochores is essential for female mouse meiosis I. <i>Development (Cambridge)</i> , 2011, 138, 2261-2271.	1.2	114
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