Brent R Stockwell

List of Publications by Year
in descending order

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185 papers	78,522 citations	4010 85 h-index	2786 185 g-index
218 all docs	218 docs citations	218 times ranked	55014 citing authors

#	Article	IF	Citations
1	Ferroptosis inhibition by oleic acid mitigates iron-overload-induced injury. Cell Chemical Biology, 2024, 31, 249-264.e7.	5.2	10
2	Subtype-selective prenylated isoflavonoids disrupt regulatory drivers of MYCN-amplified cancers. Cell Chemical Biology, 2024, 31, 805-819.e9.	5.2	2
3	Spatial pharmacology using mass spectrometry imaging. Trends in Pharmacological Sciences, 2024, 45, 67-80.	8.8	6
4	Multimodal mass spectrometry imaging identifies cell-type-specific metabolic and lipidomic variation in the mammalian liver. Developmental Cell, 2024, 59, 869-881.e6.	7.1	2
5	Phospholipids with two polyunsaturated fatty acyl tails promote ferroptosis. Cell, 2024, 187, 1177-1190.e18.	28.1	29
6	GAS41 modulates ferroptosis by anchoring NRF2 on chromatin. Nature Communications, 2024, 15, .	13.2	2
7	Fatal COVID-19 pulmonary disease involves ferroptosis. Nature Communications, 2024, 15, .	13.2	2
8	Dietary restriction of cysteine and methionine sensitizes gliomas to ferroptosis and induces alterations in energetic metabolism. Nature Communications, 2023, 14, .	13.2	48
9	NRF2 controls iron homeostasis and ferroptosis through HERC2 and VAMP8. Science Advances, 2023, 9, .	10.9	126
10	Identification of essential sites of lipid peroxidation in ferroptosis. Nature Chemical Biology, 2023, 19, 719-730.	8.1	112
11	Organ Mapping Antibody Panels: a community resource for standardized multiplexed tissue imaging. Nature Methods, 2023, 20, 1174-1178.	19.6	14
12	The therapeutic potential of targeting regulated non-apoptotic cell death. Nature Reviews Drug Discovery, 2023, 22, 723-742.	56.6	85
13	Dehydroascorbic acid sensitizes cancer cells to system xc- inhibition-induced ferroptosis by promoting lipid droplet peroxidation. Cell Death and Disease, 2023, 14, .	6.5	6
14	Tumor-specific GPX4 degradation enhances ferroptosis-initiated antitumor immune response in mouse models of pancreatic cancer. Science Translational Medicine, 2023, 15, .	13.4	43
15	Kinases Controlling Stability of the Oncogenic MYCN Protein. ACS Medicinal Chemistry Letters, 2023, 14, 1664-1672.	3.1	1
16	Discovery of Anticancer Agents of Diverse Natural Origin. Journal of Natural Products, 2022, 85, 702-719.	3.1	26
17	Machine Learning Classifies Ferroptosis and Apoptosis Cell Death Modalities with TfR1 Immunostaining. ACS Chemical Biology, 2022, 17, 654-660.	3.6	34
18	The structure of erastin-bound xCTâ€“4F2hc complexÂreveals molecular mechanisms underlying erastin-induced ferroptosis. Cell Research, 2022, 32, 687-690.	12.3	64

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19	Development of optimized drug-like small molecule inhibitors of the SARS-CoV-2 3CL protease for treatment of COVID-19. Nature Communications, 2022, 13, 1891.	13.2	54
20	Characterization of a patient-derived variant of GPX4 for precision therapy. Nature Chemical Biology, 2022, 18, 91-100.	8.1	51
21	Klebsiella pneumoniae induces host metabolic stress that promotes tolerance to pulmonary infection. Cell Metabolism, 2022, 34, 761-774.e9.	16.0	44
22	A Study in Blue: Secondary Copperâ€Rich Minerals and Their Associated Bacterial Diversity in Icelandic Lava Tubes. Earth and Space Science, 2022, 9, .	2.6	3
23	Ferroptosis turns 10: Emerging mechanisms, physiological functions, and therapeutic applications. Cell, 2022, 185, 2401-2421.	28.1	1,057
24	GLS2 Is a Tumor Suppressor and a Regulator of Ferroptosis in Hepatocellular Carcinoma. Cancer Research, 2022, 82, 3209-3222.	0.9	61
25	Pharmacologic Inhibition of NT5C2 Reverses Genetic and Nongenetic Drivers of 6-MP Resistance in Acute Lymphoblastic Leukemia. Cancer Discovery, 2022, 12, 2646-2665.	14.3	5
26	Vitamin K: A new guardian against ferroptosis. Molecular Cell, 2022, 82, 3760-3762.	9.7	11
27	Small-molecule allosteric inhibitors of GPX4. Cell Chemical Biology, 2022, 29, 1680-1693.e9.	5.2	36
28	Resolving the paradox of ferroptotic cell death: Ferrostatin-1 binds to 15LOX/PEBP1 complex, suppresses generation of peroxidized ETE-PE, and protects against ferroptosis. Redox Biology, 2021, 38, 101744.	9.2	77
29	Ferroptosis: mechanisms, biology and role in disease. Nature Reviews Molecular Cell Biology, 2021, 22, 266-282.	37.5	2,862
30	An expanded universe of cancer targets. Cell, 2021, 184, 1142-1155.	28.1	152
31	Lead compounds for the development of SARS-CoV-2 3CL protease inhibitors. Nature Communications, 2021, 12, 2016.	13.2	74
32	Promotion of cholangiocarcinoma growth by diverse cancer-associated fibroblast subpopulations. Cancer Cell, 2021, 39, 866-882.e11.	16.9	188
33	Inhibitors of Coronavirus 3CL Proteases Protect Cells from Protease-Mediated Cytotoxicity. Journal of Virology, 2021, 95, e0237420.	3.4	32
34	Photon Upconversion Hydrogels for 3D Optogenetics. Advanced Functional Materials, 2021, 31, 2010907.	16.4	20
35	iPLA2Î²-mediated lipid detoxification controls p53-driven ferroptosis independent of GPX4. Nature Communications, 2021, 12, 3644.	13.2	189
36	A roadmap to creating ferroptosis-based medicines. Nature Chemical Biology, 2021, 17, 1113-1116.	8.1	30

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37	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. ACS Central Science, 2020, 6, 41-53.	12.2	668
38	Leveraging insights into cancer metabolismâ€"a symposium report. Annals of the New York Academy of Sciences, 2020, 1462, 5-13.	4.0	3
39	Radiation-Induced Lipid Peroxidation Triggers Ferroptosis and Synergizes with Ferroptosis Inducers. ACS Chemical Biology, 2020, 15, 469-484.	3.6	322
40	Transferrin Receptor Is a Specific Ferroptosis Marker. Cell Reports, 2020, 30, 3411-3423.e7.	6.4	498
41	Emerging Mechanisms and Disease Relevance of Ferroptosis. Trends in Cell Biology, 2020, 30, 478-490.	8.2	707
42	Mesenchymal subtype neuroblastomas are addicted to TGF-Î²R2/HMGCR-driven protein geranylgeranylation. Scientific Reports, 2020, 10, 10748.	3.5	3
43	Energy-stress-mediated AMPK activation inhibits ferroptosis. Nature Cell Biology, 2020, 22, 225-234.	10.1	659
44	MDM2 and MDMX promote ferroptosis by PPARÎ±-mediated lipid remodeling. Genes and Development, 2020, 34, 526-543.	6.0	176
45	Time Course of Changes in Sorafenibâ€Treated Hepatocellular Carcinoma Cells Suggests Involvement of Phosphoâ€Regulated Signaling in Ferroptosis Induction. Proteomics, 2020, 20, e2000006.	2.7	28
46	The Chemistry and Biology of Ferroptosis. Cell Chemical Biology, 2020, 27, 365-375.	5.2	238
47	SnapShot: Ferroptosis. Cell, 2020, 181, 1188-1188.e1.	28.1	216
48	p21 can be a barrier to ferroptosis independent of p53. Aging, 2020, 12, 17800-17814.	3.0	46
49	Patient-derived glioblastoma cultures as a tool for small-molecule drug discovery. Oncotarget, 2020, 11, 443-451.	1.8	16
50	Intercellular interaction dictates cancer cell ferroptosis via NF2â€"YAP signalling. Nature, 2019, 572, 402-406.	36.3	701
51	A Physiological Function for Ferroptosis in Tumor Suppression by the Immune System. Cell Metabolism, 2019, 30, 14-15.	16.0	158
52	Development of MAP4 Kinase Inhibitors as Motor Neuron-Protecting Agents. Cell Chemical Biology, 2019, 26, 1703-1715.e37.	5.2	39
53	K-Ras^{G12D} Has a Potential Allosteric Small Molecule Binding Site. Biochemistry, 2019, 58, 2542-2554.	2.6	36
54	Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. Cell Chemical Biology, 2019, 26, 623-633.e9.	5.2	465

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55	Dawn of a New Era of Targeted Antioxidant Therapies. Cell Chemical Biology, 2019, 26, 1483-1485.	5.2	1
56	A Stem Cell-Based Screening Platform Identifies Compounds that Desensitize Motor Neurons to Endoplasmic Reticulum Stress. Molecular Therapy, 2019, 27, 87-101.	8.1	41
57	The Hallmarks of Ferroptosis. Annual Review of Cancer Biology, 2019, 3, 35-54.	4.4	413
58	The development of the concept of ferroptosis. Free Radical Biology and Medicine, 2019, 133, 130-143.	4.6	691
59	A powerful cell-protection system prevents cell death by ferroptosis. Nature, 2019, 575, 597-598.	36.3	66
60	Small molecule modulator of protein disulfide isomerase attenuates mutant huntingtin toxicity and inhibits endoplasmic reticulum stress in a mouse model of Huntingtonâ€™s disease. Human Molecular Genetics, 2018, 27, 1545-1555.	3.0	40
61	Determination of the Subcellular Localization and Mechanism of Action of Ferrostatins in Suppressing Ferroptosis. ACS Chemical Biology, 2018, 13, 1013-1020.	3.6	243
62	Increased erythrophagocytosis induces ferroptosis in red pulp macrophages in a mouse model of transfusion. Blood, 2018, 131, 2581-2593.	1.4	136
63	Toward a Microparticle-Based System for Pooled Assays of Small Molecules in Cellular Contexts. ACS Chemical Biology, 2018, 13, 761-771.	3.6	2
64	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.4	4,451
65	Design of Small Molecules That Compete with Nucleotide Binding to an Engineered Oncogenic KRAS Allele. Biochemistry, 2018, 57, 1380-1389.	2.6	6
66	FINO2 initiates ferroptosis through GPX4 inactivation and iron oxidation. Nature Chemical Biology, 2018, 14, 507-515.	8.1	518
67	Modeling the effects of lipid peroxidation during ferroptosis on membrane properties. Scientific Reports, 2018, 8, 5155.	3.5	241
68	Targeting Dependency on the GPX4 Lipid Peroxide Repair Pathway for Cancer Therapy. Biochemistry, 2018, 57, 2059-2060.	2.6	72
69	Copper-Binding Small Molecule Induces Oxidative Stress and Cell-Cycle Arrest in Glioblastoma-Patient-Derived Cells. Cell Chemical Biology, 2018, 25, 585-594.e7.	5.2	67
70	Regulation of lipid peroxidation and ferroptosis in diverse species. Genes and Development, 2018, 32, 602-619.	6.0	370
71	Unsolved mysteries: How does lipid peroxidation cause ferroptosis?. PLoS Biology, 2018, 16, e2006203.	4.8	532
72	Ligand binding to a remote site thermodynamically corrects the F508del mutation in the human cystic fibrosis transmembrane conductance regulator. Journal of Biological Chemistry, 2018, 293, 17685-17704.	3.5	9

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73	Abstract 2666: Subtype-selective lethal molecules disrupt the regulatory module that drives high-risk neuroblastoma. Cancer Research, 2018, , .	0.9	0
74	Heat stress induces ferroptosis-like cell death in plants. Journal of Cell Biology, 2017, 216, 463-476.	5.2	188
75	Lipid peroxidation in cell death. Biochemical and Biophysical Research Communications, 2017, 482, 419-425.	2.2	1,235
76	Development of a primary microglia screening assay and its use to characterize inhibition of system xc- by erastin and its analogs. Biochemistry and Biophysics Reports, 2017, 9, 266-272.	1.4	11
77	Multivalent Small-Molecule Pan-RAS Inhibitors. Cell, 2017, 168, 878-889.e29.	28.1	226
78	Lipid homeostasis and regulated cell death. Current Opinion in Chemical Biology, 2017, 39, 83-89.	6.4	113
79	Group Problem Solving in Class Improves Undergraduate Learning. ACS Central Science, 2017, 3, 614-620.	12.2	11
80	Necroptosis and ferroptosis are alternative cell death pathways that operate in acute kidney failure. Cellular and Molecular Life Sciences, 2017, 74, 3631-3645.	5.5	281
81	Heavy metal suicide. American Journal of Physiology - Renal Physiology, 2017, 313, F959-F960.	3.0	0
82	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. Cell, 2017, 171, 273-285.	28.1	4,514
83	Transforming Lipoxygenases: PE-Specific Enzymes in Disguise. Cell, 2017, 171, 501-502.	28.1	13
84	Dependency of a therapy-resistant state of cancer cells on a lipid peroxidase pathway. Nature, 2017, 547, 453-457.	36.3	1,315
85	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. Nature Chemical Biology, 2017, 13, 81-90.	8.1	1,783
86	Inhibition of neuronal ferroptosis protects hemorrhagic brain. Journal of Clinical Investigation, 2017, 2, e90777.	6.7	512
87	Global survey of cell death mechanisms reveals metabolic regulation of ferroptosis. Nature Chemical Biology, 2016, 12, 497-503.	8.1	736
88	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie, 2016, 128, 12570-12574.	2.1	4
89	A Mitochondrial-Targeted Nitroxide Is a Potent Inhibitor of Ferroptosis. ACS Central Science, 2016, 2, 653-659.	12.2	180
90	Protein Prenylation Constitutes an Endogenous Brake on Axonal Growth. Cell Reports, 2016, 16, 545-558.	6.4	48

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91	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie - International Edition, 2016, 55, 12382-12386.	14.7	47
92	Peroxidation of polyunsaturated fatty acids by lipoxygenases drives ferroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4966-75.	7.6	1,467
93	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	11.8	4,789
94	Regulated necrosis: disease relevance and therapeutic opportunities. Nature Reviews Drug Discovery, 2016, 15, 348-366.	56.6	503
95	Ferroptosis: Death by Lipid Peroxidation. Trends in Cell Biology, 2016, 26, 165-176.	8.2	1,977
96	Cell-Line Selectivity Improves the Predictive Power of Pharmacogenomic Analyses and Helps Identify NADPH as Biomarker for Ferroptosis Sensitivity. Cell Chemical Biology, 2016, 23, 225-235.	5.2	239
97	tRNA synthase suppression activatesde novocysteine synthesis to compensate for cystine and glutathione deprivation during ferroptosis. Molecular and Cellular Oncology, 2016, 3, e1091059.	0.7	24
98	Discovery of Anticancer Agents of Diverse Natural Origin. Anticancer Research, 2016, 36, 5623-5638.	1.1	97
99	Structural Elucidation of a Small Molecule Inhibitor of Protein Disulfide Isomerase. ACS Medicinal Chemistry Letters, 2015, 6, 966-971.	3.1	16
100	Elucidating Compound Mechanism of Action by Network Perturbation Analysis. Cell, 2015, 162, 441-451.	28.1	296
101	High-Throughput Screening of Patient-Derived Cultures Reveals Potential for Precision Medicine in Glioblastoma. ACS Medicinal Chemistry Letters, 2015, 6, 948-952.	3.1	30
102	Human Haploid Cell Genetics Reveals Roles for Lipid Metabolism Genes in Nonapoptotic Cell Death. ACS Chemical Biology, 2015, 10, 1604-1609.	3.6	696
103	Small molecule-induced oxidation of protein disulfide isomerase is neuroprotective. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2245-52.	7.6	89
104	Incorporation of metabolically stable ketones into a small molecule probe to increase potency and water solubility. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4787-4792.	2.4	101
105	Blended Learning Improves Science Education. Cell, 2015, 162, 933-936.	28.1	210
106	Multidimensional Profiling in the Investigation of Small-Molecule-Induced Cell Death. Methods in Enzymology, 2014, 545, 265-302.	1.7	9
107	The role of iron and reactive oxygen species in cell death. Nature Chemical Biology, 2014, 10, 9-17.	8.1	1,789
108	Regulation of Ferroptotic Cancer Cell Death by GPX4. Cell, 2014, 156, 317-331.	28.1	4,713

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109	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. Nature Cell Biology, 2014, 16, 1180-1191.	10.1	2,490
110	Synchronized renal tubular cell death involves ferroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16836-16841.	7.6	857
111	Regulated cell death and inflammation: an auto-amplification loop causes organ failure. Nature Reviews Immunology, 2014, 14, 759-767.	22.7	420
112	Small Molecule that Reverses Dexamethasone Resistance in T-cell Acute Lymphoblastic Leukemia (T-ALL). ACS Medicinal Chemistry Letters, 2014, 5, 754-759.	3.1	14
113	Ferrostatins Inhibit Oxidative Lipid Damage and Cell Death in Diverse Disease Models. Journal of the American Chemical Society, 2014, 136, 4551-4556.	14.6	806
114	Unraveling the mechanism of cell death induced by chemical fibrils. Nature Chemical Biology, 2014, 10, 969-976.	8.1	43
115	An Interactive Resource to Identify Cancer Genetic and Lineage Dependencies Targeted by Small Molecules. Cell, 2013, 154, 1151-1161.	28.1	651
116	Identification of a small molecule that induces ATG5-and-cathepsin-l-dependent cell death and modulates polyglutamine toxicity. Experimental Cell Research, 2013, 319, 1759-1773.	2.6	12
117	Small Molecule Screen Reveals Regulation of Survival Motor Neuron Protein Abundance by Ras Proteins. ACS Chemical Biology, 2013, 8, 914-922.	3.6	9
118	Protein Folding Drives Disulfide Formation. Cell, 2012, 151, 794-806.	28.1	161
119	Identification of Simple Compounds with Microtubule-Binding Activity That Inhibit Cancer Cell Growth with High Potency. ACS Medicinal Chemistry Letters, 2012, 3, 35-38.	3.1	69
120	Design and synthesis of Pictetâ€“Spengler condensation products that exhibit oncogenic-RAS synthetic lethality and induce non-apoptotic cell death. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5707-5713.	2.4	32
121	Ferroptosis: An Iron-Dependent Form of Nonapoptotic Cell Death. Cell, 2012, 149, 1060-1072.	28.1	10,267
122	Therapeutic approaches to preventing cell death in Huntington disease. Progress in Neurobiology, 2012, 99, 262-280.	5.9	28
123	Development of small-molecule probes that selectively kill cells induced to express mutant RAS. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1822-1826.	2.4	170
124	Functional Model of Metabolite Gating by Human Voltage-Dependent Anion Channel 2. Biochemistry, 2011, 50, 3408-3410.	2.6	42
125	Unraveling the Mechanisms of Oxidative Folding using Single Molecule Force Spectroscopy. Biophysical Journal, 2011, 100, 480a.	0.5	0
126	Modulatory profiling identifies mechanisms of small molecule-induced cell death. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E771-80.	7.6	114

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127	Discovery of Mdm2-MdmX E3 Ligase Inhibitors Using a Cell-Based Ubiquitination Assay. Cancer Discovery, 2011, 1, 312-325.	14.3	85
128	Privileged scaffolds for library design and drug discovery. Current Opinion in Chemical Biology, 2010, 14, 347-361.	6.4	1,272
129	Towards patient-based cancer therapeutics. Nature Biotechnology, 2010, 28, 904-906.	21.0	65
130	Engineering drug combinations. Nature Chemical Biology, 2010, 6, 318-319.	8.1	9
131	Inhibitors of protein disulfide isomerase suppress apoptosis induced by misfolded proteins. Nature Chemical Biology, 2010, 6, 900-906.	8.1	288
132	Mutant Huntingtin Alters Cell Fate in Response to Microtubule Depolymerization via the GEF-H1-RhoA-ERK Pathway. Journal of Biological Chemistry, 2010, 285, 37445-37457.	3.5	23
133	The Immortal Life of Henrietta Lacks by Rebecca Skloot; Review of the Book, and an Interview with the Author. Oncology Times, 2010, 32, 44-48.	0.0	0
134	The Immortal Life of Henrietta Lacks, by Rebecca Skloot. Nephrology Times, 2010, 3, 12-13.	0.0	1
135	Identifying druggable disease-modifying gene products. Current Opinion in Chemical Biology, 2009, 13, 549-555.	6.4	97
136	A Mammalian Cell-Based Assay for Screening Inhibitors of RNA Cleavage. Methods in Molecular Biology, 2009, 540, 335-347.	1.4	2
137	Synthetic Lethal Screening Identifies Compounds Activating Iron-Dependent, Nonapoptotic Cell Death in Oncogenic-RAS-Harboring Cancer Cells. Chemistry and Biology, 2008, 15, 234-245.	6.2	1,330
138	Combination chemical genetics. Nature Chemical Biology, 2008, 4, 674-681.	8.1	158
139	Inhibition of casein kinase 1-epsilon induces cancer-cell-selective, PERIOD2-dependent growth arrest. Genome Biology, 2008, 9, R92.	9.1	79
140	Gene expression-based screening for inhibitors of PDGFR signaling. Genome Biology, 2008, 9, R47.	9.1	19
141	A novel role for jun N-terminal Kinase signaling in olfactory sensory neuronal death. Molecular and Cellular Neurosciences, 2008, 38, 518-525.	2.3	10
142	Neurobiological Applications of Small Molecule Screening. Chemical Reviews, 2008, 108, 1774-1786.	51.5	15
143	High Throughput Screening for Neurodegeneration and Complex Disease Phenotypes. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 238-248.	1.1	29
144	Inhibitors of metabolism rescue cell death in Huntington's disease models. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14525-14530.	7.6	56

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145	Chemical combination effects predict connectivity in biological systems. Molecular Systems Biology, 2007, 3, 80.	7.2	251
146	Identification of Potential Therapeutic Drugs for Huntington's Disease using Caenorhabditis elegans. PLoS ONE, 2007, 2, e504.	2.4	130
147	Chemical genetic approaches to probing cell death. Current Opinion in Chemical Biology, 2007, 11, 83-87.	6.4	28
148	Selective inhibitors of death in mutant huntingtin cells. Nature Chemical Biology, 2007, 3, 99-100.	8.1	42
149	RASâ€"RAFâ€"MEK-dependent oxidative cell death involving voltage-dependent anion channels. Nature, 2007, 447, 865-869.	36.3	1,200
150	A Lentiviral RNAi Library for Human and Mouse Genes Applied to an Arrayed Viral High-Content Screen. Cell, 2006, 124, 1283-1298.	28.1	1,633
151	Renewing embryonic stem cells. Nature, 2006, 444, 692-693.	36.3	8
152	Preventing protein secretion with chemical glue. Nature Chemical Biology, 2006, 2, 7-8.	8.1	7
153	Enzyme Annotation with Chemical Tools. Chemistry and Biology, 2006, 13, 1013-1014.	6.2	2
154	Using small molecules to overcome drug resistance induced by a viral oncogene. Cancer Cell, 2006, 9, 133-146.	16.9	21
155	Biologically active molecules that reduce polyglutamine aggregation and toxicity. Human Molecular Genetics, 2006, 15, 2114-2124.	3.0	70
156	Identification of inhibitors of ribozyme self-cleavage in mammalian cells via high-throughput screening of chemical libraries. Rna, 2006, 12, 797-806.	3.6	58
157	Chemical Genetics and Orphan Genetic Diseases. Chemistry and Biology, 2005, 12, 1063-1073.	6.2	16
158	Multicomponent therapeutics for networked systems. Nature Reviews Drug Discovery, 2005, 4, 71-78.	56.6	679
159	ADVANCES IN CHEMICAL GENETICS. Annual Review of Genomics and Human Genetics, 2005, 6, 261-286.	6.4	59
160	From The Cover: Microarrays of small molecules embedded in biodegradable polymers for use in mammalian cell-based screens. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16144-16149.	7.6	142
161	PathBLAST: a tool for alignment of protein interaction networks. Nucleic Acids Research, 2004, 32, W83-W88.	14.2	366
162	Gene expressionâ€"based high-throughput screening(GE-HTS) and application to leukemia differentiation. Nature Genetics, 2004, 36, 257-263.	20.4	276

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163	Exploring biology with small organic molecules. Nature, 2004, 432, 846-854.	36.3	440
164	The biological magic behind the bullets. Nature Biotechnology, 2004, 22, 37-38.	21.0	17
165	Indoprofen Upregulates the Survival Motor Neuron Protein through a Cyclooxygenase-Independent Mechanism. Chemistry and Biology, 2004, 11, 1489-1493.	6.2	136
166	A Flexible Data Analysis Tool for Chemical Genetic Screens. Chemistry and Biology, 2004, 11, 1495-1503.	6.2	29
167	Identification of genotype-selective antitumor agents using synthetic lethal chemical screening in engineered human tumor cells. Cancer Cell, 2003, 3, 285-296.	16.9	1,062
168	Restoring functions of tumor suppressors with small molecules. Cancer Cell, 2003, 4, 419-420.	16.9	14
169	Biological Mechanism Profiling Using an Annotated Compound Library. Chemistry and Biology, 2003, 10, 881-892.	6.2	93
170	Systematic discovery of multicomponent therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7977-7982.	7.6	558
171	Conserved pathways within bacteria and yeast as revealed by global protein network alignment. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11394-11399.	7.6	468
172	Eliminating membrane depolarization caused by the Alzheimer peptide AÎ²(1â€“42, aggr.). Biochemical and Biophysical Research Communications, 2002, 293, 1204-1208.	2.2	17
173	Chemical Genetic Screening Approaches to Neurobiology. Neuron, 2002, 36, 559-562.	8.1	31
174	Chemical genetics: ligand-based discovery of gene function. Nature Reviews Genetics, 2000, 1, 116-125.	16.7	401
175	Frontiers in chemical genetics. Trends in Biotechnology, 2000, 18, 449-455.	9.6	93
176	High-throughput screening of small molecules in miniaturized mammalian cell-based assays involving post-translational modifications. Chemistry and Biology, 1999, 6, 71-83.	6.2	191
177	Synthesis and Preliminary Evaluation of a Library of Polycyclic Small Molecules for Use in Chemical Genetic Assays. Journal of the American Chemical Society, 1999, 121, 9073-9087.	14.6	158
178	Chemical Genetic and Genomic Approaches Reveal a Role for Copper in Specific Gene Activation. Journal of the American Chemical Society, 1999, 121, 10662-10663.	14.6	24
179	Probing the role of homomeric and heteromeric receptor interactions in TGF-Î² signaling using small molecule dimerizers. Current Biology, 1998, 8, 761-773.	4.0	54
180	TGF-Î²-signaling with small molecule FKBP12 antagonists that bind myristoylated FKBP12-TGF-Î² type I receptor fusion proteins. Chemistry and Biology, 1998, 5, 385-395.	6.2	34

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181	An Induced Proximity Model for Caspase-8 Activation. Journal of Biological Chemistry, 1998, 273, 2926-2930.	3.5	886
182	Chemoenzymatic approaches to SCH 56592, a new azole antifungal. JAOCS, Journal of the American Oil Chemists' Society, 1997, 74, 1361-1370.	1.9	12
183	A guideline on the molecular ecosystem regulating ferroptosis. Nature Cell Biology, 0, , .	10.1	20
184	Proteomic analysis of ferroptosis pathways reveals a role of CEPT1 in suppressing ferroptosis. Protein and Cell, 0, , .	12.1	0
185	Identification of Potent ADCK3 Inhibitors through Structure-Based Virtual Screening. Journal of Chemical Information and Modeling, 0, , .	5.7	0