

Brent R Stockwell

List of Publications by Year in descending order

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172
papers

71,821
citations

6124

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183
docs citations

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times ranked

59719
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis: An Iron-Dependent Form of Nonapoptotic Cell Death. <i>Cell</i> , 2012, 149, 1060-1072.	13.5	9,007
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
3	Regulation of Ferroptotic Cancer Cell Death by GPX4. <i>Cell</i> , 2014, 156, 317-331.	13.5	4,187
4	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	13.5	4,081
5	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
6	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. <i>Nature Cell Biology</i> , 2014, 16, 1180-1191.	4.6	2,241
7	Ferroptosis: mechanisms, biology and role in disease. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 266-282.	16.1	2,178
8	Ferroptosis: Death by Lipid Peroxidation. <i>Trends in Cell Biology</i> , 2016, 26, 165-176.	3.6	1,807
9	The role of iron and reactive oxygen species in cell death. <i>Nature Chemical Biology</i> , 2014, 10, 9-17.	3.9	1,685
10	A Lentiviral RNAi Library for Human and Mouse Genes Applied to an Arrayed Viral High-Content Screen. <i>Cell</i> , 2006, 124, 1283-1298.	13.5	1,603
11	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. <i>Nature Chemical Biology</i> , 2017, 13, 81-90.	3.9	1,589
12	Peroxidation of polyunsaturated fatty acids by lipoxygenases drives ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4966-75.	3.3	1,322
13	Pharmacological inhibition of cystine-glutamate exchange induces endoplasmic reticulum stress and ferroptosis. <i>ELife</i> , 2014, 3, e02523.	2.8	1,296
14	Privileged scaffolds for library design and drug discovery. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 347-361.	2.8	1,228
15	Synthetic Lethal Screening Identifies Compounds Activating Iron-Dependent, Nonapoptotic Cell Death in Oncogenic-RAS-Harboring Cancer Cells. <i>Chemistry and Biology</i> , 2008, 15, 234-245.	6.2	1,200
16	Dependency of a therapy-resistant state of cancer cells on a lipid peroxidase pathway. <i>Nature</i> , 2017, 547, 453-457.	13.7	1,194
17	Lipid peroxidation in cell death. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 419-425.	1.0	1,148
18	RAS-RAF-MEK-dependent oxidative cell death involving voltage-dependent anion channels. <i>Nature</i> , 2007, 447, 865-869.	13.7	1,104

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19	Identification of genotype-selective antitumor agents using synthetic lethal chemical screening in engineered human tumor cells. <i>Cancer Cell</i> , 2003, 3, 285-296.	7.7	973
20	An Induced Proximity Model for Caspase-8 Activation. <i>Journal of Biological Chemistry</i> , 1998, 273, 2926-2930.	1.6	879
21	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015, 22, 58-73.	5.0	811
22	Synchronized renal tubular cell death involves ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16836-16841.	3.3	801
23	Ferroptosis turns 10: Emerging mechanisms, physiological functions, and therapeutic applications. <i>Cell</i> , 2022, 185, 2401-2421.	13.5	741
24	Ferostatins Inhibit Oxidative Lipid Damage and Cell Death in Diverse Disease Models. <i>Journal of the American Chemical Society</i> , 2014, 136, 4551-4556.	6.6	738
25	Cysteine depletion induces pancreatic tumor ferroptosis in mice. <i>Science</i> , 2020, 368, 85-89.	6.0	692
26	Global survey of cell death mechanisms reveals metabolic regulation of ferroptosis. <i>Nature Chemical Biology</i> , 2016, 12, 497-503.	3.9	671
27	Multicomponent therapeutics for networked systems. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 71-78.	21.5	665
28	Human Haploid Cell Genetics Reveals Roles for Lipid Metabolism Genes in Nonapoptotic Cell Death. <i>ACS Chemical Biology</i> , 2015, 10, 1604-1609.	1.6	629
29	Emerging Mechanisms and Disease Relevance of Ferroptosis. <i>Trends in Cell Biology</i> , 2020, 30, 478-490.	3.6	624
30	The development of the concept of ferroptosis. <i>Free Radical Biology and Medicine</i> , 2019, 133, 130-143.	1.3	623
31	Intercellular interaction dictates cancer cell ferroptosis via NF2â€“YAP signalling. <i>Nature</i> , 2019, 572, 402-406.	13.7	617
32	An Interactive Resource to Identify Cancer Genetic and Lineage Dependencies Targeted by Small Molecules. <i>Cell</i> , 2013, 154, 1151-1161.	13.5	615
33	Energy-stress-mediated AMPK activation inhibits ferroptosis. <i>Nature Cell Biology</i> , 2020, 22, 225-234.	4.6	561
34	Systematic discovery of multicomponent therapeutics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7977-7982.	3.3	551
35	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. <i>ACS Central Science</i> , 2020, 6, 41-53.	5.3	551
36	Unsolved mysteries: How does lipid peroxidation cause ferroptosis?. <i>PLoS Biology</i> , 2018, 16, e2006203.	2.6	487

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37	Inhibition of neuronal ferroptosis protects hemorrhagic brain. <i>JCI Insight</i> , 2017, 2, e90777.	2.3	483
38	Regulated necrosis: disease relevance and therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 348-366.	21.5	481
39	FINO2 initiates ferroptosis through GPX4 inactivation and iron oxidation. <i>Nature Chemical Biology</i> , 2018, 14, 507-515.	3.9	471
40	Conserved pathways within bacteria and yeast as revealed by global protein network alignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11394-11399.	3.3	466
41	Exploring biology with small organic molecules. <i>Nature</i> , 2004, 432, 846-854.	13.7	433
42	Transferrin Receptor Is a Specific Ferroptosis Marker. <i>Cell Reports</i> , 2020, 30, 3411-3423.e7.	2.9	414
43	Regulated cell death and inflammation: an auto-amplification loop causes organ failure. <i>Nature Reviews Immunology</i> , 2014, 14, 759-767.	10.6	404
44	Chemical genetics: ligand-based discovery of gene function. <i>Nature Reviews Genetics</i> , 2000, 1, 116-125.	7.7	399
45	Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. <i>Cell Chemical Biology</i> , 2019, 26, 623-633.e9.	2.5	399
46	The Hallmarks of Ferroptosis. <i>Annual Review of Cancer Biology</i> , 2019, 3, 35-54.	2.3	370
47	PathBLAST: a tool for alignment of protein interaction networks. <i>Nucleic Acids Research</i> , 2004, 32, W83-W88.	6.5	360
48	Loss of cysteinyl-tRNA synthetase (CARS) induces the transsulfuration pathway and inhibits ferroptosis induced by cystine deprivation. <i>Cell Death and Differentiation</i> , 2016, 23, 270-278.	5.0	346
49	Regulation of lipid peroxidation and ferroptosis in diverse species. <i>Genes and Development</i> , 2018, 32, 602-619.	2.7	339
50	Radiation-Induced Lipid Peroxidation Triggers Ferroptosis and Synergizes with Ferroptosis Inducers. <i>ACS Chemical Biology</i> , 2020, 15, 469-484.	1.6	280
51	Elucidating Compound Mechanism of Action by Network Perturbation Analysis. <i>Cell</i> , 2015, 162, 441-451.	13.5	278
52	Inhibitors of protein disulfide isomerase suppress apoptosis induced by misfolded proteins. <i>Nature Chemical Biology</i> , 2010, 6, 900-906.	3.9	277
53	Gene expression-based high-throughput screening (GE-HTS) and application to leukemia differentiation. <i>Nature Genetics</i> , 2004, 36, 257-263.	9.4	276
54	Necroptosis and ferroptosis are alternative cell death pathways that operate in acute kidney failure. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3631-3645.	2.4	261

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55	Chemical combination effects predict connectivity in biological systems. <i>Molecular Systems Biology</i> , 2007, 3, 80.	3.2	243
56	Determination of the Subcellular Localization and Mechanism of Action of Ferrostatins in Suppressing Ferroptosis. <i>ACS Chemical Biology</i> , 2018, 13, 1013-1020.	1.6	229
57	Modeling the effects of lipid peroxidation during ferroptosis on membrane properties. <i>Scientific Reports</i> , 2018, 8, 5155.	1.6	223
58	Cell-Line Selectivity Improves the Predictive Power of Pharmacogenomic Analyses and Helps Identify NADPH as Biomarker for Ferroptosis Sensitivity. <i>Cell Chemical Biology</i> , 2016, 23, 225-235.	2.5	217
59	Multivalent Small-Molecule Pan-RAS Inhibitors. <i>Cell</i> , 2017, 168, 878-889.e29.	13.5	213
60	The Chemistry and Biology of Ferroptosis. <i>Cell Chemical Biology</i> , 2020, 27, 365-375.	2.5	204
61	Blended Learning Improves Science Education. <i>Cell</i> , 2015, 162, 933-936.	13.5	198
62	High-throughput screening of small molecules in miniaturized mammalian cell-based assays involving post-translational modifications. <i>Chemistry and Biology</i> , 1999, 6, 71-83.	6.2	191
63	SnapShot: Ferroptosis. <i>Cell</i> , 2020, 181, 1188-1188.e1.	13.5	180
64	A Mitochondrial-Targeted Nitroxide Is a Potent Inhibitor of Ferroptosis. <i>ACS Central Science</i> , 2016, 2, 653-659.	5.3	167
65	Heat stress induces ferroptosis-like cell death in plants. <i>Journal of Cell Biology</i> , 2017, 216, 463-476.	2.3	162
66	Promotion of cholangiocarcinoma growth by diverse cancer-associated fibroblast subpopulations. <i>Cancer Cell</i> , 2021, 39, 866-882.e11.	7.7	159
67	Combination chemical genetics. <i>Nature Chemical Biology</i> , 2008, 4, 674-681.	3.9	158
68	Protein Folding Drives Disulfide Formation. <i>Cell</i> , 2012, 151, 794-806.	13.5	158
69	Development of small-molecule probes that selectively kill cells induced to express mutant RAS. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1822-1826.	1.0	157
70	MDM2 and MDMX promote ferroptosis by PPAR α -mediated lipid remodeling. <i>Genes and Development</i> , 2020, 34, 526-543.	2.7	156
71	Synthesis and Preliminary Evaluation of a Library of Polycyclic Small Molecules for Use in Chemical Genetic Assays. <i>Journal of the American Chemical Society</i> , 1999, 121, 9073-9087.	6.6	155
72	iPLA2 β -mediated lipid detoxification controls p53-driven ferroptosis independent of GPX4. <i>Nature Communications</i> , 2021, 12, 3644.	5.8	153

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73	A Physiological Function for Ferroptosis in Tumor Suppression by the Immune System. <i>Cell Metabolism</i> , 2019, 30, 14-15.	7.2	147
74	From The Cover: Microarrays of small molecules embedded in biodegradable polymers for use in mammalian cell-based screens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16144-16149.	3.3	141
75	Indoprofen Upregulates the Survival Motor Neuron Protein through a Cyclooxygenase-Independent Mechanism. <i>Chemistry and Biology</i> , 2004, 11, 1489-1493.	6.2	135
76	An expanded universe of cancer targets. <i>Cell</i> , 2021, 184, 1142-1155.	13.5	135
77	Identification of Potential Therapeutic Drugs for Huntington's Disease using <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2007, 2, e504.	1.1	127
78	Increased erythrophagocytosis induces ferroptosis in red pulp macrophages in a mouse model of transfusion. <i>Blood</i> , 2018, 131, 2581-2593.	0.6	119
79	Modulatory profiling identifies mechanisms of small molecule-induced cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E771-80.	3.3	113
80	Lipid homeostasis and regulated cell death. <i>Current Opinion in Chemical Biology</i> , 2017, 39, 83-89.	2.8	105
81	Discovery of Anticancer Agents of Diverse Natural Origin. <i>Anticancer Research</i> , 2016, 36, 5623-5638.	0.5	94
82	Frontiers in chemical genetics. <i>Trends in Biotechnology</i> , 2000, 18, 449-455.	4.9	93
83	Biological Mechanism Profiling Using an Annotated Compound Library. <i>Chemistry and Biology</i> , 2003, 10, 881-892.	6.2	93
84	Incorporation of metabolically stable ketones into a small molecule probe to increase potency and water solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4787-4792.	1.0	93
85	Identifying druggable disease-modifying gene products. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 549-555.	2.8	91
86	Discovery of Mdm2-MdmX E3 Ligase Inhibitors Using a Cell-Based Ubiquitination Assay. <i>Cancer Discovery</i> , 2011, 1, 312-325.	7.7	82
87	Small molecule-induced oxidation of protein disulfide isomerase is neuroprotective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2245-52.	3.3	82
88	Inhibition of casein kinase 1-epsilon induces cancer-cell-selective, PERIOD2-dependent growth arrest. <i>Genome Biology</i> , 2008, 9, R92.	13.9	77
89	Biologically active molecules that reduce polyglutamine aggregation and toxicity. <i>Human Molecular Genetics</i> , 2006, 15, 2114-2124.	1.4	70
90	Targeting Dependency on the GPX4 Lipid Peroxide Repair Pathway for Cancer Therapy. <i>Biochemistry</i> , 2018, 57, 2059-2060.	1.2	68

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91	Identification of Simple Compounds with Microtubule-Binding Activity That Inhibit Cancer Cell Growth with High Potency. ACS Medicinal Chemistry Letters, 2012, 3, 35-38.	1.3	67
92	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.	3.9	67
93	Towards patient-based cancer therapeutics. Nature Biotechnology, 2010, 28, 904-906.	9.4	65
94	Lead compounds for the development of SARS-CoV-2 3CL protease inhibitors. Nature Communications, 2021, 12, 2016.	5.8	65
95	A powerful cell-protection system prevents cell death by ferroptosis. Nature, 2019, 575, 597-598.	13.7	60
96	ADVANCES IN CHEMICAL GENETICS. Annual Review of Genomics and Human Genetics, 2005, 6, 261-286.	2.5	59
97	Copper-Binding Small Molecule Induces Oxidative Stress and Cell-Cycle Arrest in Glioblastoma-Patient-Derived Cells. Cell Chemical Biology, 2018, 25, 585-594.e7.	2.5	59
98	Identification of inhibitors of ribozyme self-cleavage in mammalian cells via high-throughput screening of chemical libraries. Rna, 2006, 12, 797-806.	1.6	57
99	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.	3.3	55
100	Probing the role of homomeric and heteromeric receptor interactions in TGF- β 2 signaling using small molecule dimerizers. Current Biology, 1998, 8, 761-773.	1.8	54
101	The structure of erastin-bound xCT β 4F2hc complex reveals molecular mechanisms underlying erastin-induced ferroptosis. Cell Research, 2022, 32, 687-690.	5.7	48
102	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie - International Edition, 2016, 55, 12382-12386.	7.2	47
103	Protein Prenylation Constitutes an Endogenous Brake on Axonal Growth. Cell Reports, 2016, 16, 545-558.	2.9	45
104	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.	5.8	45
105	Unraveling the mechanism of cell death induced by chemical fibrils. Nature Chemical Biology, 2014, 10, 969-976.	3.9	43
106	Functional Model of Metabolite Gating by Human Voltage-Dependent Anion Channel 2. Biochemistry, 2011, 50, 3408-3410.	1.2	42
107	p21 can be a barrier to ferroptosis independent of p53. Aging, 2020, 12, 17800-17814.	1.4	42
108	Selective inhibitors of death in mutant huntingtin cells. , 2007, 3, 99-100.		41

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109	Characterization of a patient-derived variant of GPX4 for precision therapy. <i>Nature Chemical Biology</i> , 2022, 18, 91-100.	3.9	41
110	A Stem Cell-Based Screening Platform Identifies Compounds that Desensitize Motor Neurons to Endoplasmic Reticulum Stress. <i>Molecular Therapy</i> , 2019, 27, 87-101.	3.7	39
111	Small molecule modulator of protein disulfide isomerase attenuates mutant huntingtin toxicity and inhibits endoplasmic reticulum stress in a mouse model of Huntington's disease. <i>Human Molecular Genetics</i> , 2018, 27, 1545-1555.	1.4	38
112	Development of MAP4 Kinase Inhibitors as Motor Neuron-Protecting Agents. <i>Cell Chemical Biology</i> , 2019, 26, 1703-1715.e37.	2.5	36
113	<i>Klebsiella pneumoniae</i> induces host metabolic stress that promotes tolerance to pulmonary infection. <i>Cell Metabolism</i> , 2022, 34, 761-774.e9.	7.2	36
114	TGF- β -signaling with small molecule FKBP12 antagonists that bind myristoylated FKBP12-TGF- β type I receptor fusion proteins. <i>Chemistry and Biology</i> , 1998, 5, 385-395.	6.2	33
115	K-Ras ^{G12D} Has a Potential Allosteric Small Molecule Binding Site. <i>Biochemistry</i> , 2019, 58, 2542-2554.	1.2	33
116	Chemical Genetic Screening Approaches to Neurobiology. <i>Neuron</i> , 2002, 36, 559-562.	3.8	31
117	Design and synthesis of Pictet-Spengler condensation products that exhibit oncogenic-RAS synthetic lethality and induce non-apoptotic cell death. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5707-5713.	1.0	31
118	High-Throughput Screening of Patient-Derived Cultures Reveals Potential for Precision Medicine in Glioblastoma. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 948-952.	1.3	30
119	A Flexible Data Analysis Tool for Chemical Genetic Screens. <i>Chemistry and Biology</i> , 2004, 11, 1495-1503.	6.2	29
120	Machine Learning Classifies Ferroptosis and Apoptosis Cell Death Modalities with TfR1 Immunostaining. <i>ACS Chemical Biology</i> , 2022, 17, 654-660.	1.6	29
121	Chemical genetic approaches to probing cell death. <i>Current Opinion in Chemical Biology</i> , 2007, 11, 83-87.	2.8	28
122	High Throughput Screening for Neurodegeneration and Complex Disease Phenotypes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 238-248.	0.6	28
123	Inhibitors of Coronavirus 3CL Proteases Protect Cells from Protease-Mediated Cytotoxicity. <i>Journal of Virology</i> , 2021, 95, e0237420.	1.5	27
124	A roadmap to creating ferroptosis-based medicines. <i>Nature Chemical Biology</i> , 2021, 17, 1113-1116.	3.9	25
125	Chemical Genetic and Genomic Approaches Reveal a Role for Copper in Specific Gene Activation. <i>Journal of the American Chemical Society</i> , 1999, 121, 10662-10663.	6.6	24
126	Detecting Spatial Patterns in Biological Array Experiments. <i>Journal of Biomolecular Screening</i> , 2003, 8, 393-398.	2.6	24

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127	Therapeutic approaches to preventing cell death in Huntington disease. <i>Progress in Neurobiology</i> , 2012, 99, 262-280.	2.8	24
128	Mutant Huntingtin Alters Cell Fate in Response to Microtubule Depolymerization via the GEF-H1-RhoA-ERK Pathway*. <i>Journal of Biological Chemistry</i> , 2010, 285, 37445-37457.	1.6	23
129	tRNA synthase suppression activates <i>de novo</i> cysteine synthesis to compensate for cystine and glutathione deprivation during ferroptosis. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1091059.	0.3	22
130	Using small molecules to overcome drug resistance induced by a viral oncogene. <i>Cancer Cell</i> , 2006, 9, 133-146.	7.7	21
131	Time Course of Changes in Sorafenib-Treated Hepatocellular Carcinoma Cells Suggests Involvement of Phospho-Regulated Signaling in Ferroptosis Induction. <i>Proteomics</i> , 2020, 20, 2000006.	1.3	21
132	Gene expression-based screening for inhibitors of PDGFR signaling. <i>Genome Biology</i> , 2008, 9, R47.	13.9	19
133	Photon Upconversion Hydrogels for 3D Optogenetics. <i>Advanced Functional Materials</i> , 2021, 31, 2010907.	7.8	19
134	Discovery of Anticancer Agents of Diverse Natural Origin. <i>Journal of Natural Products</i> , 2022, 85, 702-719.	1.5	19
135	Eliminating membrane depolarization caused by the Alzheimer peptide A β (1-42, aggr.). <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1204-1208.	1.0	17
136	The biological magic behind the bullets. <i>Nature Biotechnology</i> , 2004, 22, 37-38.	9.4	17
137	Chemical Genetics and Orphan Genetic Diseases. <i>Chemistry and Biology</i> , 2005, 12, 1063-1073.	6.2	16
138	Patient-derived glioblastoma cultures as a tool for small-molecule drug discovery. <i>Oncotarget</i> , 2020, 11, 443-451.	0.8	16
139	Neurobiological Applications of Small Molecule Screening. <i>Chemical Reviews</i> , 2008, 108, 1774-1786.	23.0	15
140	Structural Elucidation of a Small Molecule Inhibitor of Protein Disulfide Isomerase. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 966-971.	1.3	15
141	Restoring functions of tumor suppressors with small molecules. <i>Cancer Cell</i> , 2003, 4, 419-420.	7.7	14
142	Small Molecule that Reverses Dexamethasone Resistance in T-cell Acute Lymphoblastic Leukemia (T-ALL). <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 754-759.	1.3	14
143	Chemoenzymatic approaches to SCH 56592, a new azole antifungal. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1997, 74, 1361-1370.	0.8	12
144	Identification of a small molecule that induces ATG5-and-cathepsin-l-dependent cell death and modulates polyglutamine toxicity. <i>Experimental Cell Research</i> , 2013, 319, 1759-1773.	1.2	12

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145	Transforming Lipoygenases: PE-Specific Enzymes in Disguise. <i>Cell</i> , 2017, 171, 501-502.	13.5	12
146	Development of a primary microglia screening assay and its use to characterize inhibition of system xc- by erastin and its analogs. <i>Biochemistry and Biophysics Reports</i> , 2017, 9, 266-272.	0.7	11
147	Group Problem Solving in Class Improves Undergraduate Learning. <i>ACS Central Science</i> , 2017, 3, 614-620.	5.3	11
148	Development of therapies for rare genetic disorders of GPX4: roadmap and opportunities. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 446.	1.2	11
149	Engineering drug combinations. <i>Nature Chemical Biology</i> , 2010, 6, 318-319.	3.9	9
150	Small Molecule Screen Reveals Regulation of Survival Motor Neuron Protein Abundance by Ras Proteins. <i>ACS Chemical Biology</i> , 2013, 8, 914-922.	1.6	9
151	Multidimensional Profiling in the Investigation of Small-Molecule-Induced Cell Death. <i>Methods in Enzymology</i> , 2014, 545, 265-302.	0.4	9
152	Ligand binding to a remote site thermodynamically corrects the F508del mutation in the human cystic fibrosis transmembrane conductance regulator. <i>Journal of Biological Chemistry</i> , 2018, 293, 17685-17704.	1.6	9
153	Renewing embryonic stem cells. <i>Nature</i> , 2006, 444, 692-693.	13.7	8
154	A novel role for jun N-terminal Kinase signaling in olfactory sensory neuronal death. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 518-525.	1.0	8
155	Preventing protein secretion with chemical glue. <i>Nature Chemical Biology</i> , 2006, 2, 7-8.	3.9	7
156	Design of Small Molecules That Compete with Nucleotide Binding to an Engineered Oncogenic KRAS Allele. <i>Biochemistry</i> , 2018, 57, 1380-1389.	1.2	6
157	Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie</i> , 2016, 128, 12570-12574.	1.6	4
158	Global analysis of large-scale chemical and biological experiments. <i>Current Opinion in Drug Discovery & Development</i> , 2002, 5, 355-60.	1.9	4
159	Leveraging insights into cancer metabolism—a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2020, 1462, 5-13.	1.8	3
160	Mesenchymal subtype neuroblastomas are addicted to TGF- β 2R2/HMGCGR-driven protein geranylgeranylation. <i>Scientific Reports</i> , 2020, 10, 10748.	1.6	3
161	Enzyme Annotation with Chemical Tools. <i>Chemistry and Biology</i> , 2006, 13, 1013-1014.	6.2	2
162	FERROPTOSIS: MECHANISMS AND THERAPEUTIC APPLICATIONS. <i>Free Radical Biology and Medicine</i> , 2017, 112, 7.	1.3	2

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163	Toward a Microparticle-Based System for Pooled Assays of Small Molecules in Cellular Contexts. ACS Chemical Biology, 2018, 13, 761-771.	1.6	2
164	A Mammalian Cell-Based Assay for Screening Inhibitors of RNA Cleavage. Methods in Molecular Biology, 2009, 540, 335-347.	0.4	2
165	A Study in Blue: Secondary Copper-Rich Minerals and Their Associated Bacterial Diversity in Icelandic Lava Tubes. Earth and Space Science, 2022, 9, .	1.1	2
166	The Immortal Life of Henrietta Lacks, by Rebecca Skloot. Nephrology Times, 2010, 3, 12-13.	0.0	1
167	Dawn of a New Era of Targeted Antioxidant Therapies. Cell Chemical Biology, 2019, 26, 1483-1485.	2.5	1
168	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.	0.1	0
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