

# Stuart L Schreiber

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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

309  
papers

45,102  
citations

90  
h-index

211  
g-index

341  
ext. papers

52,081  
ext. citations

16.1  
avg, IF

7.59  
L-index

#	Paper	IF	Citations
309	Bicyclic azetidines target acute and chronic stages of <i>Toxoplasma gondii</i> by inhibiting parasite phenylalanyl t-RNA synthetase.. <i>Nature Communications</i> , <b>2022</b> , 13, 459	17.4	0
308	Stereochemical Diversity as a Source of Discovery in Chemical Biology. <i>Current Research in Chemical Biology</i> , <b>2022</b> , 2, 100028		4
307	PALP: A rapid imaging technique for stratifying ferroptosis sensitivity in normal and tumor tissues in situ. <i>Cell Chemical Biology</i> , <b>2021</b> ,	8.2	2
306	Computational repurposing of therapeutic small molecules from cancer to pulmonary hypertension. <i>Science Advances</i> , <b>2021</b> , 7, eabh3794	14.3	7
305	An expanded universe of cancer targets. <i>Cell</i> , <b>2021</b> , 184, 1142-1155	56.2	38
304	Cell-specific transcriptional control of mitochondrial metabolism by TIF1 $\beta$ drives erythropoiesis. <i>Science</i> , <b>2021</b> , 372, 716-721	33.3	8
303	The Use of Informer Sets in Screening: Perspectives on an Efficient Strategy to Identify New Probes. <i>SLAS Discovery</i> , <b>2021</b> , 26, 855-861	3.4	1
302	Crystal structures of the selenoprotein glutathione peroxidase 4 in its apo form and in complex with the covalently bound inhibitor ML162. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2021</b> , 77, 237-248	5.5	15
301	Targeted brachyury degradation disrupts a highly specific autoregulatory program controlling chordoma cell identity. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100188	18	4
300	Novel quaternary structures of the human prion protein globular domain. <i>Biochimie</i> , <b>2021</b> , 191, 118-125	4.6	0
299	The Rise of Molecular Glues. <i>Cell</i> , <b>2021</b> , 184, 3-9	56.2	74
298	Structural basis of malaria parasite phenylalanine tRNA-synthetase inhibition by bicyclic azetidines. <i>Nature Communications</i> , <b>2021</b> , 12, 343	17.4	8
297	Persister cancer cells: Iron addiction and vulnerability to ferroptosis.. <i>Molecular Cell</i> , <b>2021</b> ,	17.6	4
296	Evaluating drug targets through human loss-of-function genetic variation. <i>Nature</i> , <b>2020</b> , 581, 459-464	50.4	53
295	Towards a treatment for genetic prion disease: trials and biomarkers. <i>Lancet Neurology</i> , <b>2020</b> , 19, 361-368	24.1	28
294	Unifying principles of bifunctional, proximity-inducing small molecules. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 369-378	11.7	53
293	Selective covalent targeting of GPX4 using masked nitrile-oxide electrophiles. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 497-506	11.7	76

292	Rhabdoid Tumors Are Sensitive to the Protein-Translation Inhibitor Homoharringtonine. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 4995-5006	12.9	6
291	Ligand-Enabled $\beta$ Methylene C(sp <sup>3</sup> ) $\beta$ Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7857-7861	3.6	4
290	Cytochrome P450 oxidoreductase contributes to phospholipid peroxidation in ferroptosis. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 302-309	11.7	144
289	Ligand-Enabled $\beta$ Methylene C(sp <sup>3</sup> )-H Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7783-7787	16.4	20
288	Water-Compatible Cycloadditions of Oligonucleotide-Conjugated Strained Allenes for DNA-Encoded Library Synthesis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7776-7782	16.4	28
287	Bicyclic azetidines kill the diarrheal pathogen in mice by inhibiting parasite phenylalanyl-tRNA synthetase. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	18
286	Prion protein lowering is a disease-modifying therapy across prion disease stages, strains and endpoints. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 10615-10631	20.1	26
285	An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. <i>Cell</i> , <b>2020</b> , 182, 1009-1026.e29	56.2	57
284	Phosphorylation-Inducing Chimeric Small Molecules. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14052-14057	16.4	30
283	Multimodal small-molecule screening for human prion protein binders. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 13516-13531	5.4	6
282	Structure-activity relationships of GPX4 inhibitor warheads. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127538	2.9	7
281	Plasticity of ether lipids promotes ferroptosis susceptibility and evasion. <i>Nature</i> , <b>2020</b> , 585, 603-608	50.4	121
280	Recent achievements and current trajectories of diversity-oriented synthesis. <i>Current Opinion in Chemical Biology</i> , <b>2020</b> , 56, 1-9	9.7	36
279	Progress in Understanding Ferroptosis and Challenges in Its Targeting for Therapeutic Benefit. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 463-471	8.2	27
278	Small-Molecule and CRISPR Screening Converge to Reveal Receptor Tyrosine Kinase Dependencies in Pediatric Rhabdoid Tumors. <i>Cell Reports</i> , <b>2019</b> , 28, 2331-2344.e8	10.6	20
277	Metabolomic adaptations and correlates of survival to immune checkpoint blockade. <i>Nature Communications</i> , <b>2019</b> , 10, 4346	17.4	89
276	Small-molecule targeting of brachyury transcription factor addiction in chordoma. <i>Nature Medicine</i> , <b>2019</b> , 25, 292-300	50.5	62
275	DNA Barcoding a Complete Matrix of Stereoisomeric Small Molecules. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10225-10235	16.4	47

274	The landscape of cancer cell line metabolism. <i>Nature Medicine</i> , <b>2019</b> , 25, 850-860	50.5	188
273	Modular, stereocontrolled C-H/C-C activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8721-8727	11.5	24
272	A GPX4-dependent cancer cell state underlies the clear-cell morphology and confers sensitivity to ferroptosis. <i>Nature Communications</i> , <b>2019</b> , 10, 1617	17.4	218
271	Prion protein quantification in human cerebrospinal fluid as a tool for prion disease drug development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7793-7798	11.5	29
270	6-Phosphogluconate Dehydrogenase Links Cytosolic Carbohydrate Metabolism to Protein Secretion via Modulation of Glutathione Levels. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 1306-1314.e5	8.2	11
269	Optimization of PDE3A Modulators for SLFN12-Dependent Cancer Cell Killing. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 1537-1542	4.3	7
268	A Compendium of Genetic Modifiers of Mitochondrial Dysfunction Reveals Intra-organelle Buffering. <i>Cell</i> , <b>2019</b> , 179, 1222-1238.e17	56.2	47
267	Antisense oligonucleotides extend survival of prion-infected mice. <i>JCI Insight</i> , <b>2019</b> , 5,	9.9	46
266	Renal medullary carcinomas depend upon loss and are sensitive to proteasome inhibition. <i>ELife</i> , <b>2019</b> , 8,	8.9	20
265	Characterization of the Prion Protein Binding Properties of Antisense Oligonucleotides. <i>Biomolecules</i> , <b>2019</b> , 10,	5.9	52
264	DNA-Compatible [3 + 2] Nitrene-Olefin Cycloaddition Suitable for DEL Syntheses. <i>Organic Letters</i> , <b>2019</b> , 21, 1325-1330	6.2	47
263	Domain-specific Quantification of Prion Protein in Cerebrospinal Fluid by Targeted Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 2388-2400	7.6	17
262	Diacylfuroxans Are Masked Nitrile Oxides That Inhibit GPX4 Covalently. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 20407-20415	16.4	31
261	A Chemical Biology View of Bioactive Small Molecules and a Binder-Based Approach to Connect Biology to Precision Medicines. <i>Israel Journal of Chemistry</i> , <b>2019</b> , 59, 52-59	3.4	37
260	Chemical probes and drug leads from advances in synthetic planning and methodology. <i>Nature Reviews Drug Discovery</i> , <b>2018</b> , 17, 333-352	64.1	117
259	RWEN: response-weighted elastic net for prediction of chemosensitivity of cancer cell lines. <i>Bioinformatics</i> , <b>2018</b> , 34, 3332-3339	7.2	14
258	Targeting Dependency on the GPX4 Lipid Peroxide Repair Pathway for Cancer Therapy. <i>Biochemistry</i> , <b>2018</b> , 57, 2059-2060	3.2	37
257	High Throughput Screen Identifies Interferon $\beta$ Dependent Inhibitors of <i>Toxoplasma gondii</i> Growth. <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 1499-1507	5.5	7

256	Retraction Note: Selective killing of cancer cells by a small molecule targeting the stress response to ROS. <i>Nature</i> , <b>2018</b> , 561, 420	50.4	5
255	Synergistic Effects of Stereochemistry and Appendages on the Performance Diversity of a Collection of Synthetic Compounds. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11784-11790	16.4	35
254	A precision oncology approach to the pharmacological targeting of mechanistic dependencies in neuroendocrine tumors. <i>Nature Genetics</i> , <b>2018</b> , 50, 979-989	36.3	90
253	Chemical Biology Towards Precision Medicine. <i>Israel Journal of Chemistry</i> , <b>2017</b> , 57, 174-178	3.4	
252	Discovery of Antimalarial Azetidine-2-carbonitriles That Inhibit Dihydroorotate Dehydrogenase. <i>ACS Medicinal Chemistry Letters</i> , <b>2017</b> , 8, 438-442	4.3	32
251	A dataset of images and morphological profiles of 30 000 small-molecule treatments using the Cell Painting assay. <i>GigaScience</i> , <b>2017</b> , 6, 1-5	7.6	59
250	Drug-tolerant persister cancer cells are vulnerable to GPX4 inhibition. <i>Nature</i> , <b>2017</b> , 551, 247-250	50.4	522
249	Small-molecule inhibitors directly target CARD9 and mimic its protective variant in inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 11392-11397	11.5	28
248	CTD2 Dashboard: a searchable web interface to connect validated results from the Cancer Target Discovery and Development Network. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2017</b> , 2017,	5	12
247	Synthesis of a Bicyclic Azetidine with In Vivo Antimalarial Activity Enabled by Stereospecific, Directed C(sp)-H Arylation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11300-11306	16.4	71
246	Stereospecific Palladium-Catalyzed C-H Arylation of Pyroglutamic Acid Derivatives at the C3 Position Enabled by 8-Aminoquinoline as a Directing Group. <i>Organic Letters</i> , <b>2017</b> , 19, 4424-4427	6.2	22
245	Small-molecule studies identify CDK8 as a regulator of IL-10 in myeloid cells. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 1102-1108	11.7	29
244	A Next Generation Connectivity Map: L1000 Platform and the First 1,000,000 Profiles. <i>Cell</i> , <b>2017</b> , 171, 1437-1452.e17	56.2	1132
243	Dependency of a therapy-resistant state of cancer cells on a lipid peroxidase pathway. <i>Nature</i> , <b>2017</b> , 547, 453-457	50.4	620
242	A small-molecule allosteric inhibitor of Mycobacterium tuberculosis tryptophan synthase. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 943-950	11.7	75
241	DIFFERENTIAL PATHWAY DEPENDENCY DISCOVERY ASSOCIATED WITH DRUG RESPONSE ACROSS CANCER CELL LINES. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , <b>2017</b> , 22, 497-508	1.3	6
240	Structural Insight into Allosteric Inhibition of Mycobacterium tuberculosis Tryptophan Synthase. <i>FASEB Journal</i> , <b>2017</b> , 31, 765.12	0.9	1
239	Discovery of 8-Membered Ring Sulfonamides as Inhibitors of Oncogenic Mutant Isocitrate Dehydrogenase 1. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 944-949	4.3	12

238	Efficient Routes to a Diverse Array of Amino Alcohol-Derived Chiral Fragments. <i>ACS Combinatorial Science</i> , <b>2016</b> , 18, 569-74	3.9	20
237	Inhibition of Dihydroorotate Dehydrogenase Overcomes Differentiation Blockade in Acute Myeloid Leukemia. <i>Cell</i> , <b>2016</b> , 167, 171-186.e15	56.2	214
236	A genetic basis for the variation in the vulnerability of cancer to DNA damage. <i>Nature Communications</i> , <b>2016</b> , 7, 11428	17.4	95
235	Discovery of selective small-molecule HDAC6 inhibitor for overcoming proteasome inhibitor resistance in multiple myeloma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 13162-13167	11.5	89
234	Development of Chemical Probes for Investigation of Salt-Inducible Kinase Function in Vivo. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2105-11	4.9	33
233	Identification of cancer-cytotoxic modulators of PDE3A by predictive chemogenomics. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 102-8	11.7	51
232	Correlating chemical sensitivity and basal gene expression reveals mechanism of action. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 109-16	11.7	365
231	High-Throughput Luciferase-Based Assay for the Discovery of Therapeutics That Prevent Malaria. <i>ACS Infectious Diseases</i> , <b>2016</b> , 2, 281-293	5.5	61
230	The Power of Sophisticated Phenotypic Screening and Modern Mechanism-of-Action Methods. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 3-9	8.2	70
229	High-throughput identification of genotype-specific cancer vulnerabilities in mixtures of barcoded tumor cell lines. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 419-23	44.5	127
228	High-Throughput Assay and Discovery of Small Molecules that Interrupt Malaria Transmission. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 114-26	23.4	94
227	Real-Time Biological Annotation of Synthetic Compounds. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8920-7	16.4	27
226	Integrated genetic and pharmacologic interrogation of rare cancers. <i>Nature Communications</i> , <b>2016</b> , 7, 11987	17.4	32
225	Divergent Synthesis and Real-Time Biological Annotation of Optically Active Tetrahydrocyclopenta[c]pyranone Derivatives. <i>Organic Letters</i> , <b>2016</b> , 18, 6280-6283	6.2	9
224	Inhibition of Zinc-Dependent Histone Deacetylases with a Chemically Triggered Electrophile. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1844-51	4.9	18
223	DiSCoVERing Innovative Therapies for Rare Tumors: Combining Genetically Accurate Disease Models with In Silico Analysis to Identify Novel Therapeutic Targets. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3903-14	12.9	43
222	Diversity-oriented synthesis yields novel multistage antimalarial inhibitors. <i>Nature</i> , <b>2016</b> , 538, 344-349	50.4	172
221	Development of ML390: A Human DHODH Inhibitor That Induces Differentiation in Acute Myeloid Leukemia. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 1112-1117	4.3	36

220	Benzo-fused lactams from a diversity-oriented synthesis (DOS) library as inhibitors of scavenger receptor BI (SR-BI)-mediated lipid uptake. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2100-5	2.9	11
219	Discovery of a Small-Molecule Probe for V-ATPase Function. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5563-8	16.4	24
218	Harnessing Connectivity in a Large-Scale Small-Molecule Sensitivity Dataset. <i>Cancer Discovery</i> , <b>2015</b> , 5, 1210-23	24.4	363
217	Small-molecule enhancers of autophagy modulate cellular disease phenotypes suggested by human genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4281-7	11.5	46
216	KRAS Genomic Status Predicts the Sensitivity of Ovarian Cancer Cells to Decitabine. <i>Cancer Research</i> , <b>2015</b> , 75, 2897-906	10.1	22
215	Linking tumor mutations to drug responses via a quantitative chemical-genetic interaction map. <i>Cancer Discovery</i> , <b>2015</b> , 5, 154-67	24.4	40
214	Discovery of bisamide-heterocycles as inhibitors of scavenger receptor BI (SR-BI)-mediated lipid uptake. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2594-8	2.9	6
213	Kinase-Independent Small-Molecule Inhibition of JAK-STAT Signaling. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7929-34	16.4	20
212	Diversity-oriented synthesis probe targets Plasmodium falciparum cytochrome b ubiquinone reduction site and synergizes with oxidation site inhibitors. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 211, 1097-103	7	21
211	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. <i>Cell</i> , <b>2015</b> , 161, 1252-65	56.2	100
210	Indolyl-Thiazole Based Inhibitors of Scavenger Receptor-BI (SR-BI)-Mediated Lipid Transport. <i>ACS Medicinal Chemistry Letters</i> , <b>2015</b> , 6, 375-380	4.3	8
209	Niche-Based Screening in Multiple Myeloma Identifies a Kinesin-5 Inhibitor with Improved Selectivity over Hematopoietic Progenitors. <i>Cell Reports</i> , <b>2015</b> , 10, 755-770	10.6	18
208	Synthesis of oxazocenones via gold(I)-catalyzed 8-endo-dig hydroalkoxylation of alkynamides. <i>Organic Letters</i> , <b>2015</b> , 17, 418-21	6.2	29
207	Chemical perturbation of an intrinsically disordered region of TFIID distinguishes two modes of transcription initiation. <i>ELife</i> , <b>2015</b> , 4,	8.9	29
206	Regulation of ferroptotic cancer cell death by GPX4. <i>Cell</i> , <b>2014</b> , 156, 317-331	56.2	2104
205	Lenalidomide causes selective degradation of IKZF1 and IKZF3 in multiple myeloma cells. <i>Science</i> , <b>2014</b> , 343, 301-5	33.3	969
204	NAMPT is the cellular target of STF-31-like small-molecule probes. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 2247-54	4.9	47
203	Toward performance-diverse small-molecule libraries for cell-based phenotypic screening using multiplexed high-dimensional profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10911-6	11.5	141

202	Diversity-oriented synthesis-facilitated medicinal chemistry: toward the development of novel antimalarial agents. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 8496-502	8.3	31
201	Diversity-oriented synthesis yields a new drug lead for treatment of chagas disease. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 149-53	4.3	34
200	Quantitative-proteomic comparison of alpha and Beta cells to uncover novel targets for lineage reprogramming. <i>PLoS ONE</i> , <b>2014</b> , 9, e95194	3.7	10
199	Atg16L1 T300A variant decreases selective autophagy resulting in altered cytokine signaling and decreased antibacterial defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 7741-6	11.5	235
198	Small-molecule control of cytokine function: new opportunities for treating immune disorders. <i>Current Opinion in Chemical Biology</i> , <b>2014</b> , 23, 23-30	9.7	16
197	Automated Structure-Activity Relationship Mining: Connecting Chemical Structure to Biological Profiles. <i>Journal of Biomolecular Screening</i> , <b>2014</b> , 19, 738-48		14
196	Small-molecule screening identifies inhibition of salt-inducible kinases as a therapeutic strategy to enhance immunoregulatory functions of dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12468-73	11.5	45
195	Synthesis of piperlogs and analysis of their effects on cells. <i>Tetrahedron</i> , <b>2013</b> , 69, 7559-7559	2.4	19
194	An interactive resource to identify cancer genetic and lineage dependencies targeted by small molecules. <i>Cell</i> , <b>2013</b> , 154, 1151-1161	56.2	392
193	Niche-based screening identifies small-molecule inhibitors of leukemia stem cells. <i>Nature Chemical Biology</i> , <b>2013</b> , 9, 840-848	11.7	96
192	Discovery of small-molecule enhancers of reactive oxygen species that are nontoxic or cause genotype-selective cell death. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 923-9	4.9	52
191	Crebinostat: a novel cognitive enhancer that inhibits histone deacetylase activity and modulates chromatin-mediated neuroplasticity. <i>Neuropharmacology</i> , <b>2013</b> , 64, 81-96	5.5	75
190	A small-molecule inducer of PDX1 expression identified by high-throughput screening. <i>Chemistry and Biology</i> , <b>2013</b> , 20, 1513-22		25
189	Integrative radiogenomic profiling of squamous cell lung cancer. <i>Cancer Research</i> , <b>2013</b> , 73, 6289-98	10.1	83
188	Multiplex cytological profiling assay to measure diverse cellular states. <i>PLoS ONE</i> , <b>2013</b> , 8, e80999	3.7	136
187	Development of small-molecule probes that selectively kill cells induced to express mutant RAS. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 1822-6	2.9	99
186	Identification of a selective small molecule inhibitor of breast cancer stem cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 3571-4	2.9	26
185	Macrocyclic Hedgehog Pathway Inhibitors: Optimization of Cellular Activity and Mode of Action Studies. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 808-813	4.3	35



184	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 112-117	4.3	48
183	Synthesis, cellular evaluation, and mechanism of action of piperlongumine analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15115-20	11.5	172
182	Niche-Based Screening Identifies Novel Small Molecules That Overcome Stromal Effects in Multiple Myeloma. <i>Blood</i> , <b>2012</b> , 120, 571-571	2.2	1
181	Syntheses of Pyrones using gold-catalyzed coupling reactions. <i>Organic Letters</i> , <b>2011</b> , 13, 2834-6	6.2	79
180	Selective killing of cancer cells by a small molecule targeting the stress response to ROS. <i>Nature</i> , <b>2011</b> , 475, 231-4	50.4	845
179	Catalytic Diastereoselective Petasis Reactions. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8322-8325	3.6	12
178	Catalytic diastereoselective petasis reactions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8172-5	16.4	54
177	Discovery of histone deacetylase 8 selective inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 2601-5	2.9	72
176	The DNA damage mark pH2AX differentiates the cytotoxic effects of small molecule HDAC inhibitors in ovarian cancer cells. <i>Cancer Biology and Therapy</i> , <b>2011</b> , 12, 484-93	4.6	38
175	Disease allele-dependent small-molecule sensitivities in blood cells from monogenic diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 492-7	11.5	15
174	Organic synthesis toward small-molecule probes and drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6699-702	11.5	124
173	Quantifying structure and performance diversity for sets of small molecules comprising small-molecule screening collections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6817-22	11.5	81
172	Towards patient-based cancer therapeutics. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 904-6	44.5	58
171	Small molecules of different origins have distinct distributions of structural complexity that correlate with protein-binding profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18787-92	11.5	253
170	Distinct biological network properties between the targets of natural products and disease genes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 9259-61	16.4	67
169	Small-molecule inducers of insulin expression in pancreatic alpha-cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 15099-104	11.5	51
168	Expanding stereochemical and skeletal diversity using petasis reactions and 1,3-dipolar cycloadditions. <i>Organic Letters</i> , <b>2010</b> , 12, 5230-3	6.2	27
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