Stefan Knapp

List of Publications by Citations

302 papers	20,101 citations	72 h-index	136 g-index
340 ext. papers	24,211 ext. citations	9.7 avg, IF	6.8 L-index

#	Paper	IF	Citations
302	Selective inhibition of BET bromodomains. *Nature*, **2010**, 468, 1067-73	50.4	2725
301	Histone recognition and large-scale structural analysis of the human bromodomain family. *Cell*, **2012**, 149, 214-31	56.2	1054
300	Targeting bromodomains: epigenetic readers of lysine acetylation. *Nature Reviews Drug Discovery*, **2014**, 13, 337-56	64.1	880
299	The promise and peril of chemical probes. *Nature Chemical Biology*, **2015**, 11, 536-41	11.7	523
298	Large-scale structural analysis of the classical human protein tyrosine phosphatome. *Cell*, **2009**, 136, 352-63	56.2	344
297	Linear motif atlas for phosphorylation-dependent signaling. *Science Signaling*, **2008**, 1, ra2	8.8	342
296	Bromodomains as therapeutic targets. *Expert Reviews in Molecular Medicine*, **2011**, 13, e29	6.7	327
295	RVX-208, an inhibitor of BET transcriptional regulators with selectivity for the second bromodomain. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 19754-9	11.5	305
294	Copper is required for oncogenic BRAF signalling and tumorigenesis. *Nature*, **2014**, 509, 492-6	50.4	288
293	A systematic interaction map of validated kinase inhibitors with Ser/Thr kinases. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20523-8	11.5	286
292	Small-molecule inhibition of BRDT for male contraception. *Cell*, **2012**, 150, 673-84	56.2	277
291	Stereospecific targeting of MTH1 by (S)-crizotinib as an anticancer strategy. *Nature*, **2014**, 508, 222-7	50.4	272
290	The bromodomain interaction module. *FEBS Letters*, **2012**, 586, 2692-704	3.8	267
289	Exploration of type II binding mode: A privileged approach for kinase inhibitor focused drug discovery?. *ACS Chemical Biology*, **2014**, 9, 1230-41	4.9	266
288	Dual kinase-bromodomain inhibitors for rationally designed polypharmacology. *Nature Chemical Biology*, **2014**, 10, 305-12	11.7	251
287	The (un)targeted cancer kinome. *Nature Chemical Biology*, **2010**, 6, 166-169	11.7	234
286	Druggability analysis and structural classification of bromodomain acetyl-lysine binding sites. *Journal of Medicinal Chemistry*, **2012**, 55, 7346-59	8.3	224

285	Discovery and optimization of small-molecule ligands for the CBP/p300 bromodomains. *Journal of the American Chemical Society*, **2014**, 136, 9308-19	16.4	198
284	Comprehensive characterization of the Published Kinase Inhibitor Set. *Nature Biotechnology*, **2016**, 34, 95-103	44.5	191
283	PFI-1, a highly selective protein interaction inhibitor, targeting BET Bromodomains. *Cancer Research* , **2013**, 73, 3336-46	10.1	191
282	Small-molecule kinase inhibitors provide insight into Mps1 cell cycle function. *Nature Chemical Biology*, **2010**, 6, 359-68	11.7	178
281	3,5-dimethylisoxazoles act as acetyl-lysine-mimetic bromodomain ligands. *Journal of Medicinal Chemistry*, **2011**, 54, 6761-70	8.3	177
280	The ins and outs of selective kinase inhibitor development. *Nature Chemical Biology*, **2015**, 11, 818-21	11.7	174
279	Structural coupling of SH2-kinase domains links Fes and Abl substrate recognition and kinase activation. *Cell*, **2008**, 134, 793-803	56.2	171
278	Accurate calculation of the absolute free energy of binding for drug molecules. *Chemical Science*, **2016**, 7, 207-218	9.4	169
277	Structural analysis identifies imidazo[1,2-b]pyridazines as PIM kinase inhibitors with in vitro antileukemic activity. *Cancer Research*, **2007**, 67, 6916-24	10.1	166
276	Inhibition of protein-protein interactions: the discovery of druglike beta-catenin inhibitors by combining virtual and biophysical screening. *Proteins: Structure, Function and Bioinformatics*, **2006**, 64, 60-7	4.2	158
275	Identification of a chemical probe for bromo and extra C-terminal bromodomain inhibition through optimization of a fragment-derived hit. *Journal of Medicinal Chemistry*, **2012**, 55, 9831-7	8.3	157
274	Structure of the pseudokinase VRK3 reveals a degraded catalytic site, a highly conserved kinase fold, and a putative regulatory binding site. *Structure*, **2009**, 17, 128-38	5.2	156
273	Generation of a Selective Small Molecule Inhibitor of the CBP/p300 Bromodomain for Leukemia Therapy. *Cancer Research*, **2015**, 75, 5106-5119	10.1	155
272	Specific CLK inhibitors from a novel chemotype for regulation of alternative splicing. *Chemistry and Biology*, **2011**, 18, 67-76		154
271	CBP30, a selective CBP/p300 bromodomain inhibitor, suppresses human Th17 responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 10768-73	11.5	150
270	Structure and substrate specificity of the Pim-1 kinase. *Journal of Biological Chemistry*, **2005**, 280, 41675-82	5.4	147
269	Selectivity, cocrystal structures, and neuroprotective properties of leucettines, a family of protein kinase inhibitors derived from the marine sponge alkaloid leucettamine B. *Journal of Medicinal Chemistry*, **2012**, 55, 9312-30	8.3	146
268	Crystal structure of glutamate dehydrogenase from the hyperthermophilic eubacterium Thermotoga maritima at 3.0 A resolution. *Journal of Molecular Biology*, **1997**, 267, 916-32	6.5	142

267	Progress in the development and application of small molecule inhibitors of bromodomain-acetyl-lysine interactions. *Journal of Medicinal Chemistry*, **2012**, 55, 9393-413	8.3	140
266	A unique inhibitor binding site in ERK1/2 is associated with slow binding kinetics. *Nature Chemical Biology*, **2014**, 10, 853-60	11.7	135
265	Structural basis of inhibitor specificity of the human protooncogene proviral insertion site in moloney murine leukemia virus (PIM-1) kinase. *Journal of Medicinal Chemistry*, **2005**, 48, 7604-14	8.3	131
264	Structure of the bone morphogenetic protein receptor ALK2 and implications for fibrodysplasia ossificans progressiva. *Journal of Biological Chemistry*, **2012**, 287, 36990-8	5.4	128
263	Activation segment dimerization: a mechanism for kinase autophosphorylation of non-consensus sites. *EMBO Journal*, **2008**, 27, 704-14	13	128
262	Structure-Based Design of an in Vivo Active Selective BRD9 Inhibitor. *Journal of Medicinal Chemistry* , **2016**, 59, 4462-75	8.3	127
261	A public-private partnership to unlock the untargeted kinome. *Nature Chemical Biology*, **2013**, 9, 3-6	11.7	119
260	Bromodomain-peptide displacement assays for interactome mapping and inhibitor discovery. *Molecular BioSystems*, **2011**, 7, 2899-908		117
259	Structure and functional characterization of the atypical human kinase haspin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20198-203	11.5	115
258	LP99: Discovery and Synthesis of the First Selective BRD7/9 Bromodomain Inhibitor. *Angewandte Chemie - International Edition*, **2015**, 54, 6217-21	16.4	113
257	The Cysteinome of Protein Kinases as a Target in Drug Development. *Angewandte Chemie - International Edition*, **2018**, 57, 4372-4385	16.4	110
256	Quantitative, Wide-Spectrum Kinase Profiling in Live Cells for Assessing the Effect of Cellular ATP on Target Engagement. *Cell Chemical Biology*, **2018**, 25, 206-214.e11	8.2	109
255	Discovery and Characterization of GSK2801, a Selective Chemical Probe for the Bromodomains BAZ2A and BAZ2B. *Journal of Medicinal Chemistry*, **2016**, 59, 1410-24	8.3	108
254	Leucettines, a class of potent inhibitors of cdc2-like kinases and dual specificity, tyrosine phosphorylation regulated kinases derived from the marine sponge leucettamine B: modulation of alternative pre-RNA splicing. *Journal of Medicinal Chemistry*, **2011**, 54, 4172-86	8.3	107
253	NMR-Based screening with competition water-ligand observed via gradient spectroscopy experiments: detection of high-affinity ligands. *Journal of Medicinal Chemistry*, **2002**, 45, 2610-4	8.3	106
252	Kinase inhibitor selectivity profiling using differential scanning fluorimetry. *Methods in Molecular Biology*, **2012**, 795, 109-18	1.4	100
251	Discovery of novel small-molecule inhibitors of BRD4 using structure-based virtual screening. *Journal of Medicinal Chemistry*, **2013**, 56, 8073-88	8.3	100
250	Structures of Down syndrome kinases, DYRKs, reveal mechanisms of kinase activation and substrate recognition. *Structure*, **2013**, 21, 986-96	5.2	99

249	Crystal Structures of the p21-activated kinases PAK4, PAK5, and PAK6 reveal catalytic domain plasticity of active group II PAKs. *Structure*, **2007**, 15, 201-13	5.2	95
248	Predictions of Ligand Selectivity from Absolute Binding Free Energy Calculations. *Journal of the American Chemical Society*, **2017**, 139, 946-957	16.4	94
247	A series of potent CREBBP bromodomain ligands reveals an induced-fit pocket stabilized by a cation-□interaction. *Angewandte Chemie - International Edition*, **2014**, 53, 6126-30	16.4	94
246	The BET inhibitor JQ1 selectively impairs tumour response to hypoxia and downregulates CA9 and angiogenesis in triple negative breast cancer. *Oncogene*, **2017**, 36, 122-132	9.2	93
245	DNA damage in oocytes induces a switch of the quality control factor TAp63□from dimer to tetramer. *Cell*, **2011**, 144, 566-76	56.2	93
244	Salt-Inducible Kinase 2 Couples Ovarian Cancer Cell Metabolism with Survival at the Adipocyte-Rich Metastatic Niche. *Cancer Cell*, **2016**, 30, 273-289	24.3	92
243	Benzodiazepines and benzotriazepines as protein interaction inhibitors targeting bromodomains of the BET family. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 1878-86	3.4	90
242	High-throughput kinase profiling: a more efficient approach toward the discovery of new kinase inhibitors. *Chemistry and Biology*, **2011**, 18, 868-79		88
241	Thermal unfolding of the DNA-binding protein Sso7d from the hyperthermophile Sulfolobus solfataricus. *Journal of Molecular Biology*, **1996**, 264, 1132-44	6.5	87
240	Targeting low-druggability bromodomains: fragment based screening and inhibitor design against the BAZ2B bromodomain. *Journal of Medicinal Chemistry*, **2013**, 56, 10183-7	8.3	85
239	Family-wide Structural Analysis of Human Numb-Associated Protein Kinases. *Structure*, **2016**, 24, 401-11	5.2	84
238	Progress towards a public chemogenomic set for protein kinases and a call for contributions. *PLoS ONE*, **2017**, 12, e0181585	3.7	81
237	Kinase domain insertions define distinct roles of CLK kinases in SR protein phosphorylation. *Structure*, **2009**, 17, 352-62	5.2	81
236	Thermodynamic characterization of non-sequence-specific DNA-binding by the Sso7d protein from Sulfolobus solfataricus. *Journal of Molecular Biology*, **1998**, 276, 775-86	6.5	79
235	Activation segment exchange: a common mechanism of kinase autophosphorylation?. *Trends in Biochemical Sciences*, **2007**, 32, 351-6	10.3	78
234	Selective targeting of the BRG/PB1 bromodomains impairs embryonic and trophoblast stem cell maintenance. *Science Advances*, **2015**, 1, e1500723	14.3	76
233	[1,2,4]triazolo[4,3-a]phthalazines: inhibitors of diverse bromodomains. *Journal of Medicinal Chemistry*, **2014**, 57, 462-76	8.3	75
232	Structure enabled design of BAZ2-ICR, a chemical probe targeting the bromodomains of BAZ2A and BAZ2B. *Journal of Medicinal Chemistry*, **2015**, 58, 2553-9	8.3	74

231	A small-molecule inhibitor of Haspin alters the kinetochore functions of Aurora B. *Journal of Cell Biology*, **2012**, 199, 269-84	7.3	74
230	Androgen Receptor Deregulation Drives Bromodomain-Mediated Chromatin Alterations in Prostate Cancer. *Cell Reports*, **2017**, 19, 2045-2059	10.6	72
229	10-iodo-11H-indolo[3,2-c]quinoline-6-carboxylic acids are selective inhibitors of DYRK1A. *Journal of Medicinal Chemistry*, **2015**, 58, 3131-43	8.3	70
228	Mechanism and consequence of the autoactivation of p38 mitogen-activated protein kinase promoted by TAB1. *Nature Structural and Molecular Biology*, **2013**, 20, 1182-90	17.6	69
227	Statistical Analysis on the Performance of Molecular Mechanics Poisson-Boltzmann Surface Area versus Absolute Binding Free Energy Calculations: Bromodomains as a Case Study. *Journal of Chemical Information and Modeling*, **2017**, 57, 2203-2221	6.1	69
226	Discovery of a Chemical Tool Inhibitor Targeting the Bromodomains of TRIM24 and BRPF. *Journal of Medicinal Chemistry*, **2016**, 59, 1642-7	8.3	68
225	Oocyte DNA damage quality control requires consecutive interplay of CHK2 and CK1 to activate p63. *Nature Structural and Molecular Biology*, **2018**, 25, 261-269	17.6	66
224	Promiscuous targeting of bromodomains by bromosporine identifies BET proteins as master regulators of primary transcription response in leukemia. *Science Advances*, **2016**, 2, e1600760	14.3	64
223	Epigenomic regulation of oncogenesis by chromatin remodeling. *Oncogene*, **2016**, 35, 4423-36	9.2	64
222	Identification of a major determinant for serine-threonine kinase phosphoacceptor specificity. *Molecular Cell*, **2014**, 53, 140-7	17.6	64
221	BRD4 localization to lineage-specific enhancers is associated with a distinct transcription factor repertoire. *Nucleic Acids Research*, **2017**, 45, 127-141	20.1	64
220	Selective JAK3 Inhibitors with a Covalent Reversible Binding Mode Targeting a New Induced Fit Binding Pocket. *Cell Chemical Biology*, **2016**, 23, 1335-1340	8.2	62
219	Trends in kinase drug discovery: targets, indications and inhibitor design. *Nature Reviews Drug Discovery*, **2021**, 20, 839-861	64.1	62
218	Structure of LRRK2 in Parkinson's disease and model for microtubule interaction. *Nature*, **2020**, 588, 344-349	50.4	60
217	Discovery of a PCAF Bromodomain Chemical Probe. *Angewandte Chemie - International Edition*, **2017**, 56, 827-831	16.4	58
216	Assessing cellular efficacy of bromodomain inhibitors using fluorescence recovery after photobleaching. *Epigenetics and Chromatin*, **2014**, 7, 14	5.8	58
215	The design and synthesis of 5- and 6-isoxazolylbenzimidazoles as selective inhibitors of the BET bromodomains. *MedChemComm*, **2013**, 4, 140-144	5	58
214	Chemoproteomics and Chemical Probes for Target Discovery. *Trends in Biotechnology*, **2018**, 36, 1275-1286	15.1	57

213	Novel Inverse Binding Mode of Indirubin Derivatives Yields Improved Selectivity for DYRK Kinases. *ACS Medicinal Chemistry Letters*, **2013**, 4, 22-26	4.3	57
212	Insights for the development of specific kinase inhibitors by targeted structural genomics. *Drug Discovery Today*, **2007**, 12, 365-72	8.8	57
211	7,8-dichloro-1-oxo-β-carbolines as a versatile scaffold for the development of potent and selective kinase inhibitors with unusual binding modes. *Journal of Medicinal Chemistry*, **2012**, 55, 403-13	8.3	56
210	Crystal structure of human aurora B in complex with INCENP and VX-680. *Journal of Medicinal Chemistry*, **2012**, 55, 7841-8	8.3	55
209	Bromo-deaza-SAH: a potent and selective DOT1L inhibitor. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 1787-1794	3.4	54
208	Novel p38α MAP kinase inhibitors identified from yoctoReactor DNA-encoded small molecule library. *MedChemComm*, **2016**, 7, 1332-1339	5	54
207	Type II Inhibitors Targeting CDK2. *ACS Chemical Biology*, **2015**, 10, 2116-25	4.9	53
206	Alternative splicing promotes tumour aggressiveness and drug resistance in African American prostate cancer. *Nature Communications*, **2017**, 8, 15921	17.4	53
205	Design and synthesis of potent and selective inhibitors of BRD7 and BRD9 bromodomains. *MedChemComm*, **2015**, 6, 1381-1386	5	52
204	Identification of a Chemical Probe for Family VIII Bromodomains through Optimization of a Fragment Hit. *Journal of Medicinal Chemistry*, **2016**, 59, 4800-11	8.3	52
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202	Donated chemical probes for open science. *ELife*, **2018**, 7,	8.9	48
201	A comparison of protein kinases inhibitor screening methods using both enzymatic activity and binding affinity determination. *PLoS ONE*, **2014**, 9, e98800	3.7	47
200	Recently targeted kinases and their inhibitors-the path to clinical trials. *Current Opinion in Pharmacology*, **2014**, 17, 58-63	5.1	45
199	Selective Inhibitors of Cyclin G Associated Kinase (GAK) as Anti-Hepatitis C Agents. *Journal of Medicinal Chemistry*, **2015**, 58, 3393-410	8.3	44
198	Molecular basis of histone tail recognition by human TIP5 PHD finger and bromodomain of the chromatin remodeling complex NoRC. *Structure*, **2015**, 23, 80-92	5.2	44
197	Atad2 is a generalist facilitator of chromatin dynamics in embryonic stem cells. *Journal of Molecular Cell Biology*, **2016**, 8, 349-62	6.3	43
196	A chemical toolbox for the study of bromodomains and epigenetic signaling. *Nature Communications*, **2019**, 10, 1915	17.4	43

195	Development of Selective CBP/P300 Benzoxazepine Bromodomain Inhibitors. *Journal of Medicinal Chemistry*, **2016**, 59, 8889-8912	8.3	43
194	A Specific and Covalent JNK-1 Ligand Selected from an Encoded Self-Assembling Chemical Library. *Chemistry - A European Journal*, **2017**, 23, 8152-8155	4.8	41
193	Structure-based approaches towards identification of fragments for the low-druggability ATAD2 bromodomain. *MedChemComm*, **2014**, 5, 1843-1848	5	41
192	Stochastic detection of Pim protein kinases reveals electrostatically enhanced association of a peptide substrate. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E4417-26	11.5	41
191	The MAPK Pathway Regulates Intrinsic Resistance to BET Inhibitors in Colorectal Cancer. *Clinical Cancer Research*, **2017**, 23, 2027-2037	12.9	41
190	Preclinical target validation using patient-derived cells. *Nature Reviews Drug Discovery*, **2015**, 14, 149-50	64.1	40
189	The structural basis of PI3K cancer mutations: from mechanism to therapy. *Cancer Research*, **2014**, 74, 641-6	10.1	39
188	Large-scale analysis of water stability in bromodomain binding pockets with grand canonical Monte Carlo. *Communications Chemistry*, **2018**, 1,	6.3	38
187	Machine-assisted synthesis of modulators of the histone reader BRD9 using flow methods of chemistry and frontal affinity chromatography. *MedChemComm*, **2014**, 5, 540-546	5	38
186	Structure of cyclin G-associated kinase (GAK) trapped in different conformations using nanobodies. *Biochemical Journal*, **2014**, 459, 59-69	3.8	36
185	Defined PEG smears as an alternative approach to enhance the search for crystallization conditions and crystal-quality improvement in reduced screens. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 1627-39		35
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183	Identification and Development of 2,3-Dihydropyrrolo[1,2-a]quinazolin-5(1H)-one Inhibitors Targeting Bromodomains within the Switch/Sucrose Nonfermenting Complex. *Journal of Medicinal Chemistry*, **2016**, 59, 5095-101	8.3	35
182	Binding Kinetics Survey of the Drugged Kinome. *Journal of the American Chemical Society*, **2018**, 140, 15774-15782	16.4	35
181	Structure-Based Identification of Inhibitory Fragments Targeting the p300/CBP-Associated Factor Bromodomain. *Journal of Medicinal Chemistry*, **2016**, 59, 1648-53	8.3	34
180	Designing Dual Inhibitors of Anaplastic Lymphoma Kinase (ALK) and Bromodomain-4 (BRD4) by Tuning Kinase Selectivity. *Journal of Medicinal Chemistry*, **2019**, 62, 2618-2637	8.3	33
179	Mapping the chemical chromatin reactivation landscape identifies BRD4-TAF1 cross-talk. *Nature Chemical Biology*, **2016**, 12, 504-10	11.7	32
178	Discovery and Optimization of a Selective Ligand for the Switch/Sucrose Nonfermenting-Related Bromodomains of Polybromo Protein-1 by the Use of Virtual Screening and Hydration Analysis. *Journal of Medicinal Chemistry*, **2016**, 59, 8787-8803	8.3	32

177	Discovery of an MLLT1/3 YEATS Domain Chemical Probe. *Angewandte Chemie - International Edition* , **2018**, 57, 16302-16307	16.4	32
176	Halogen-Aromatic Interactions Modulate Inhibitor Residence Times. *Angewandte Chemie - International Edition*, **2018**, 57, 7220-7224	16.4	31
175	Tuning microtubule dynamics to enhance cancer therapy by modulating FER-mediated CRMP2 phosphorylation. *Nature Communications*, **2018**, 9, 476	17.4	31
174	Discovery of BET bromodomain inhibitors and their role in target validation. *MedChemComm*, **2014**, 5, 288-296	5	31
173	Quality control in oocytes by p63 is based on a spring-loaded activation mechanism on the molecular and cellular level. *ELife*, **2016**, 5,	8.9	31
172	PROTAC-mediated degradation reveals a non-catalytic function of AURORA-A kinase. *Nature Chemical Biology*, **2020**, 16, 1179-1188	11.7	31
171	SGC-GAK-1: A Chemical Probe for Cyclin G Associated Kinase (GAK). *Journal of Medicinal Chemistry*, **2019**, 62, 2830-2836	8.3	30
170	Structural Insights into Pseudokinase Domains of Receptor Tyrosine Kinases. *Molecular Cell*, **2020**, 79, 390-405.e7	17.6	30
169	Structure of the human protein kinase MPSK1 reveals an atypical activation loop architecture. *Structure*, **2008**, 16, 115-24	5.2	30
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167	Single-Molecule Protein Phosphorylation and Dephosphorylation by Nanopore Enzymology. *ACS Nano*, **2019**, 13, 633-641	16.7	29
166	Design of a Biased Potent Small Molecule Inhibitor of the Bromodomain and PHD Finger-Containing (BRPF) Proteins Suitable for Cellular and in Vivo Studies. *Journal of Medicinal Chemistry*, **2017**, 60, 668-680	8.3	28
165	BRAF/MAPK and GSK3 signaling converges to control MITF nuclear export. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8668-E8677	11.5	28
164	Pharmacoproteomic characterisation of human colon and rectal cancer. *Molecular Systems Biology*, **2017**, 13, 951	12.2	28
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162	CBP/p300 Bromodomains Regulate Amyloid-like Protein Aggregation upon Aberrant Lysine Acetylation. *Cell Chemical Biology*, **2017**, 24, 9-23	8.2	27
161	Analysis of conditions affecting auto-phosphorylation of human kinases during expression in bacteria. *Protein Expression and Purification*, **2012**, 81, 136-143	2	27
160	Development, Optimization, and Structure-Activity Relationships of Covalent-Reversible JAK3 Inhibitors Based on a Tricyclic Imidazo[5,4- d]pyrrolo[2,3- b]pyridine Scaffold. *Journal of Medicinal Chemistry*, **2018**, 61, 5350-5366	8.3	27

159	Leveraging Compound Promiscuity to Identify Targetable Cysteines within the Kinome. *Cell Chemical Biology*, **2019**, 26, 818-829.e9	8.2	26
158	Discovery of a Selective Allosteric Inhibitor Targeting Macrodomain 2 of Polyadenosine-Diphosphate-Ribose Polymerase 14. *ACS Chemical Biology*, **2017**, 12, 2866-2874	4.9	25
157	An Unusual Binding Model of the Methyl 9-Anilinothiazolo[5,4-f] quinazoline-2-carbimidates (EHT 1610 and EHT 5372) Confers High Selectivity for Dual-Specificity Tyrosine Phosphorylation-Regulated Kinases. *Journal of Medicinal Chemistry*, **2016**, 59, 10315-10321	8.3	25
156	Cardiac myosin light chain is phosphorylated by Ca2+/calmodulin-dependent and -independent kinase activities. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3824-33	11.5	25
155	Modulation of the chromatin phosphoproteome by the Haspin protein kinase. *Molecular and Cellular Proteomics*, **2014**, 13, 1724-40	7.6	25
154	Differential Recognition Preferences of the Three Src Homology 3 (SH3) Domains from the Adaptor CD2-associated Protein (CD2AP) and Direct Association with Ras and Rab Interactor 3 (RIN3). *Journal of Biological Chemistry*, **2015**, 290, 25275-92	5.4	24
153	Co-targeting of BET proteins and HDACs as a novel approach to trigger apoptosis in rhabdomyosarcoma cells. *Cancer Letters*, **2018**, 428, 160-172	9.9	24
152	Discovery of pyrido[3,4-g]quinazoline derivatives as CMGC family protein kinase inhibitors: Design, synthesis, inhibitory potency and X-ray co-crystal structure. *European Journal of Medicinal Chemistry* , **2016**, 118, 170-7	6.8	24
151	Synthesis and Structure-Activity Relationships of 3,5-Disubstituted-pyrrolo[2,3- b]pyridines as Inhibitors of Adaptor-Associated Kinase 1 with Antiviral Activity. *Journal of Medicinal Chemistry*, **2019**, 62, 5810-5831	8.3	23
150	An AKAP-Lbc-RhoA interaction inhibitor promotes the translocation of aquaporin-2 to the plasma membrane of renal collecting duct principal cells. *PLoS ONE*, **2018**, 13, e0191423	3.7	22
149	Mechanism of TAp73 inhibition by ΔNp63 and structural basis of p63/p73 hetero-tetramerization. *Cell Death and Differentiation*, **2016**, 23, 1930-1940	12.7	22
148	Quantifying Target Occupancy of Small Molecules Within Living Cells. *Annual Review of Biochemistry*, **2020**, 89, 557-581	29.1	20
147	Discovery of a novel allosteric inhibitor scaffold for polyadenosine-diphosphate-ribose polymerase 14 (PARP14) macrodomain 2. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2965-2972	3.4	20
146	Mammary molecular portraits reveal lineage-specific features and progenitor cell vulnerabilities. *Journal of Cell Biology*, **2018**, 217, 2951-2974	7.3	20
145	Selective Targeting of Bromodomains of the Bromodomain-PHD Fingers Family Impairs Osteoclast Differentiation. *ACS Chemical Biology*, **2017**, 12, 2619-2630	4.9	20
144	Design of a Chemical Probe for the Bromodomain and Plant Homeodomain Finger-Containing (BRPF) Family of Proteins. *Journal of Medicinal Chemistry*, **2017**, 60, 6998-7011	8.3	20
143	Pim Kinase Inhibitors Evaluated with a Single-Molecule Engineered Nanopore Sensor. *Angewandte Chemie - International Edition*, **2015**, 54, 8154-9	16.4	20
142	Mapping the Endothelial Cell -Sulfhydrome Highlights the Crucial Role of Integrin Sulfhydration in Vascular Function. *Circulation*, **2021**, 143, 935-948	16.7	20

141	Structure-Based Approach toward Identification of Inhibitory Fragments for Eleven-Nineteen-Leukemia Protein (ENL). *Journal of Medicinal Chemistry*, **2018**, 61, 10929-10934	8.3	20
140	Small-molecule modulators for epigenetics targets. *ChemMedChem*, **2013**, 8, 1885-91	3.7	19
139	Conservation of structure, function and inhibitor binding in UNC-51-like kinase 1 and 2 (ULK1/2). *Biochemical Journal*, **2019**, 476, 875-887	3.8	19
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137	New pyrido[3,4-g]quinazoline derivatives as CLK1 and DYRK1A inhibitors: synthesis, biological evaluation and binding mode analysis. *European Journal of Medicinal Chemistry*, **2019**, 166, 304-317	6.8	18
136	Furo[3,2-b]pyridine: A Privileged Scaffold for Highly Selective Kinase Inhibitors and Effective Modulators of the Hedgehog Pathway. *Angewandte Chemie - International Edition*, **2019**, 58, 1062-1066	16.4	18
135	The Kinase Chemogenomic Set (KCGS): An Open Science Resource for Kinase Vulnerability Identification. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	18
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