Cheryl H Arrowsmith

List of Articles by Year
in descending order

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398 peer-reviewed articles	30,444 peer-reviewed citations	3495 88 peer-reviewed h-index	163368 5.57 score
436 documents	37163 doc citations	3229 97 h-index	65911 citing authors

#	Article	IF	Citations
1	Targeting PRC2 Enhances the Cytotoxic Capacity of Anti-CD19 CAR T Cells against Hematologic Malignancies. Cancer Research, 2025, 85, 2234-2249.	2.6	2
2	From N-0385 to N-0920: Unveiling a Host-Directed Protease Inhibitor with Picomolar Antiviral Efficacy against Prevalent SARS-CoV-2 Variants. Journal of Medicinal Chemistry, 2025, 68, 7119-7136.	4.0	10
3	Chemical arsenal for helicase Hunters: Striking the toughest targets in antiviral research. Antiviral Research, 2025, 239, 106184.	2.7	4
4	Structural basis of TMPRSS11D specificity and autocleavage activation. Nature Communications, 2025, 16, .	10.8	9
5	Active Learning-Guided Hit Optimization for the Leucine-Rich Repeat Kinase 2 WDR Domain Based on In Silico Ligand-Binding Affinities. Journal of Chemical Information and Modeling, 2025, 65, 5706-5717.	3.2	3
6	Characterization of PROTAC specificity and endogenous protein interactomes using ProtacID. Nature Communications, 2025, 16, .	10.8	6
7	Therapeutic Discovery for Chromatin Complexes: Where Do We Stand?. Annual Review of Cancer Biology, 2024, 8, 373-393.	2.8	4
8	Chemical tools for the Gid4 subunit of the human E3 ligase C-terminal to LisH (CTLH) degradation complex. RSC Medicinal Chemistry, 2024, 15, 1066-1071.	2.7	14
9	A chemical probe to modulate human GID4 Pro/N-degron interactions. Nature Chemical Biology, 2024, 20, 1164-1175.	9.1	29
10	Recruitment of FBXO22 for targeted degradation of NSD2. Nature Chemical Biology, 2024, 20, 1597-1607.	9.1	60
11	Huntingtin is an RNA binding protein and participates in NEAT1 -mediated paraspeckles. Science Advances, 2024, 10, .	8.1	12
12	A ligand discovery toolbox for the WWE domain family of human E3 ligases. Communications Biology, 2024, 7, .	3.1	4
13	Quantitative Hydrogen–Deuterium Exchange Mass Spectrometry for Simultaneous Structural Characterization and Affinity Indexing of Single Target Drug Candidate Libraries. Analytical Chemistry, 2024, 96, 13015-13024.	5.2	13
14	PRMT1 inhibition perturbs RNA metabolism and induces DNA damage in clear cell renal cell carcinoma. Nature Communications, 2024, 15, .	10.8	14
15	Poly ADP-ribose signaling is dysregulated in Huntington disease. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	5.2	16
16	Inhibiting EZH2 targets atypical teratoid rhabdoid tumor by triggering viral mimicry via both RNA and DNA sensing pathways. Nature Communications, 2024, 15, .	10.8	12
17	Discovery of CHD1 Antagonists for PTEN-Deficient Prostate Cancer. Journal of Medicinal Chemistry, 2024, 67, 20056-20075.	4.0	9
18	Interplay between β-propeller subunits WDR26 and muskelin regulates the CTLH E3 ligase supramolecular complex. Communications Biology, 2024, 7, .	3.1	12

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19	Antecedent chromatin organization determines cGAS recruitment to ruptured micronuclei. Nature Communications, 2023, 14, .	10.8	60
20	Discovery and Characterization of BAY-805, a Potent and Selective Inhibitor of Ubiquitin-Specific Protease USP21. Journal of Medicinal Chemistry, 2023, 66, 3431-3447.	4.0	25
21	Discovery of Nanomolar DCAF1 Small Molecule Ligands. Journal of Medicinal Chemistry, 2023, 66, 5041-5060.	4.0	66
22	RAS and PP2A activities converge on epigenetic gene regulation. Life Science Alliance, 2023, 6, e202301928.	1.9	13
23	Discovery of a Potent and Selective Targeted NSD2 Degrader for the Reduction of H3K36me2. Journal of the American Chemical Society, 2023, 145, 8176-8188.	11.7	67
24	Discovery of a Novel DCAF1 Ligand Using a Drug–Target Interaction Prediction Model: Generalizing Machine Learning to New Drug Targets. Journal of Chemical Information and Modeling, 2023, 63, 4070-4078.	3.2	32
25	Discovery and Characterization of a Chemical Probe Targeting the Zinc-Finger Ubiquitin-Binding Domain of HDAC6. Journal of Medicinal Chemistry, 2023, 66, 10273-10288.	4.0	11
26	SETDB1 Triple Tudor Domain Ligand, (R , R)-59, Promotes Methylation of Akt1 in Cells. ACS Chemical Biology, 2023, 18, 1846-1853.	2.5	15
27	The RavA-ViaA chaperone complex modulates bacterial persistence through its association with the fumarate reductase enzyme. Journal of Biological Chemistry, 2023, 299, 105199.	1.3	5
28	The co-crystal structure of Cbl-b and a small-molecule inhibitor reveals the mechanism of Cbl-b inhibition. Communications Biology, 2023, 6, .	3.1	31
29	Prediction and Validation of a Protein's Free Energy Surface Using Hydrogen Exchange and (Importantly) Its Denaturant Dependence. Journal of Chemical Theory and Computation, 2022, 18, 550-561.	3.6	24
30	The MYC oncoprotein directly interacts with its chromatin cofactor PNUTS to recruit PP1 phosphatase. Nucleic Acids Research, 2022, 50, 3505-3522.	10.7	26
31	Validating Small Molecule Chemical Probes for Biological Discovery. Annual Review of Biochemistry, 2022, 91, 61-87.	14.0	26
32	PRMT5 regulates ATF4 transcript splicing and oxidative stress response. Redox Biology, 2022, 51, 102282.	9.0	38
33	PRMT inhibition induces a viral mimicry response in triple-negative breast cancer. Nature Chemical Biology, 2022, 18, 821-830.	9.1	116
34	Structure and activity of human TMPRSS2 protease implicated in SARS-CoV-2 activation. Nature Chemical Biology, 2022, 18, 963-971.	9.1	206
35	Combinatorial Anticancer Drug Screen Identifies Off-Target Effects of Epigenetic Chemical Probes. ACS Chemical Biology, 2022, 17, 2801-2816.	2.5	14
36	Dissecting the stability determinants of a challenging de novo protein fold using massively parallel design and experimentation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	5.2	29

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37	De novo design of immunoglobulin-like domains. Nature Communications, 2022, 13, .	10.8	49
38	Phosphorylation of the DNA repair scaffold SLX4 drives folding of the SAP domain and activation of the MUS81-EME1 endonuclease. Cell Reports, 2022, 41, 111537.	4.4	25
39	Identification of lysine isobutyrylation as a new histone modification mark. Nucleic Acids Research, 2021, 49, 177-189.	10.7	73
40	A Semi-automated Organoid Screening Method Demonstrates Epigenetic Control of Intestinal Epithelial Differentiation. Frontiers in Cell and Developmental Biology, 2021, 8, .	2.8	20
41	Discovery of Small-Molecule Antagonists of the PWWP Domain of NSD2. Journal of Medicinal Chemistry, 2021, 64, 1584-1592.	4.0	63
42	RNF168 regulates R-loop resolution and genomic stability in BRCA1/2-deficient tumors. Journal of Clinical Investigation, 2021, 131, .	6.6	72
43	PRMT5 inhibition disrupts splicing and stemness in glioblastoma. Nature Communications, 2021, 12, .	10.8	175
44	Rational Design and Synthesis of Selective PRMT4 Inhibitors: A New Chemotype for Development of Cancer Therapeutics**. ChemMedChem, 2021, 16, 1116-1125.	2.2	15
45	Protein arginine methylation: from enigmatic functions to therapeutic targeting. Nature Reviews Drug Discovery, 2021, 20, 509-530.	43.4	409
46	Discovery of the SMYD3 Inhibitor BAY-6035 Using Thermal Shift Assay (TSA)-Based High-Throughput Screening. SLAS Discovery, 2021, 26, 947-960.	1.9	25
47	The human pseudouridine synthase PUS7 recognizes RNA with an extended multi-domain binding surface. Nucleic Acids Research, 2021, 49, 11810-11822.	10.7	49
48	Structure–Activity Relationship of USP5 Inhibitors. Journal of Medicinal Chemistry, 2021, 64, 15017-15036.	4.0	26
49	Chemical Genetics Screen Identifies COPB2 Tool Compounds That Alters ER Stress Response and Induces RTK Dysregulation in Lung Cancer Cells. Journal of Molecular Biology, 2021, 433, 167294.	2.9	9
50	A chemical probe targeting the PWWP domain alters NSD2 nucleolar localization. Nature Chemical Biology, 2021, 18, 56-63.	9.1	99
51	Huntingtin structure is orchestrated by HAP40 and shows a polyglutamine expansion-specific interaction with exon 1. Communications Biology, 2021, 4, .	3.1	59
52	HMCES Functions in the Alternative End-Joining Pathway of the DNA DSB Repair during Class Switch Recombination in B Cells. Molecular Cell, 2020, 77, 384-394.e4.	8.6	51
53	LSD1 represses a neonatal/reparative gene program in adult intestinal epithelium. Science Advances, 2020, 6, .	8.1	26
54	GLUT1 inhibition blocks growth of RB1-positive triple negative breast cancer. Nature Communications, 2020, 11, .	10.8	272

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55	Discovery of a First-in-Class Protein Arginine Methyltransferase 6 (PRMT6) Covalent Inhibitor. Journal of Medicinal Chemistry, 2020, 63, 5477-5487.	4.0	44
56	Pharmacological inhibition of PRMT7 links arginine monomethylation to the cellular stress response. Nature Communications, 2020, 11, .	10.8	87
57	Epigenetic Switch–Induced Viral Mimicry Evasion in Chemotherapy-Resistant Breast Cancer. Cancer Discovery, 2020, 10, 1312-1329.	6.8	146
58	Alternative splicing and allosteric regulation modulate the chromatin binding of UHRF1. Nucleic Acids Research, 2020, 48, 7728-7747.	10.7	19
59	Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. Cell, 2020, 181, 1329-1345.e24.	23.4	131
60	Selective, Small-Molecule Co-Factor Binding Site Inhibition of a Su(var)3–9, Enhancer of Zeste, Trithorax Domain Containing Lysine Methyltransferase. Journal of Medicinal Chemistry, 2019, 62, 7669-7683.	4.0	20
61	Therapeutic Targeting of RNA Splicing Catalysis through Inhibition of Protein Arginine Methylation. Cancer Cell, 2019, 36, 194-209.e9.	28.4	282
62	Identification and characterization of the first fragment hits for SETDB1 Tudor domain. Bioorganic and Medicinal Chemistry, 2019, 27, 3866-3878.	2.1	16
63	Fragment-based discovery of a chemical probe for the PWWP1 domain of NSD3. Nature Chemical Biology, 2019, 15, 822-829.	9.1	95
64	Discovery of a Potent and Selective Fragment-like Inhibitor of Methyllysine Reader Protein Spindlin 1 (SPIN1). Journal of Medicinal Chemistry, 2019, 62, 8996-9007.	4.0	35
65	Target 2035: probing the human proteome. Drug Discovery Today, 2019, 24, 2111-2115.	5.0	169
66	Discovery of Small Molecule Antagonists of the USP5 Zinc Finger Ubiquitin-Binding Domain. Journal of Medicinal Chemistry, 2019, 62, 10144-10155.	4.0	19
67	A Chemical Probe for Tudor Domain Protein Spindlin1 to Investigate Chromatin Function. Journal of Medicinal Chemistry, 2019, 62, 9008-9025.	4.0	44
68	Structural basis of HMCES interactions with abasic DNA and multivalent substrate recognition. Nature Structural and Molecular Biology, 2019, 26, 607-612.	5.8	65
69	Pervasive H3K27 Acetylation Leads to ERV Expression and a Therapeutic Vulnerability in H3K27M Gliomas. Cancer Cell, 2019, 35, 782-797.e8.	28.4	207
70	A chemical toolbox for the study of bromodomains and epigenetic signaling. Nature Communications, 2019, 10, .	10.8	117
71	Discovery of selective activators of PRC2 mutant EED-I363M. Scientific Reports, 2019, 9, .	2.7	15
72	AKT drives SOX2 overexpression and cancer cell stemness in esophageal cancer by protecting SOX2 from UBR5-mediated degradation. Oncogene, 2019, 38, 5250-5264.	5.2	94

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73	Design and characterization of mutant and wildtype huntingtin proteins produced from a toolkit of scalable eukaryotic expression systems. Journal of Biological Chemistry, 2019, 294, 6986-7001.	1.3	45
74	Targeting bivalency de-represses Indian Hedgehog and inhibits self-renewal of colorectal cancer-initiating cells. Nature Communications, 2019, 10, .	10.8	45
75	Discovery of a chemical probe for PRDM9. Nature Communications, 2019, 10, .	10.8	39
76	Direct interaction between the PRDM3 and PRDM16 tumor suppressors and the NuRD chromatin remodeling complex. Nucleic Acids Research, 2019, 47, 1225-1238.	10.7	42
77	A chemical biology toolbox to study protein methyltransferases and epigenetic signaling. Nature Communications, 2019, 10, .	10.8	142
78	Characterization of inv(3) cell line OCI-AML-20 with stroma-dependent CD34 expression. Experimental Hematology, 2019, 69, 27-36.	0.6	7
79	Arginine methylation of FOXP3 is crucial for the suppressive function of regulatory T cells. Journal of Autoimmunity, 2019, 97, 10-21.	3.8	43
80	LLY-283, a Potent and Selective Inhibitor of Arginine Methyltransferase 5, PRMT5, with Antitumor Activity. ACS Medicinal Chemistry Letters, 2018, 9, 612-617.	2.1	175
81	Discovery of Ubiquitin Deamidases in the Pathogenic Arsenal of Legionella pneumophila. Cell Reports, 2018, 23, 568-583.	4.4	63
82	Revealing the protein propionylation activity of the histone acetyltransferase MOF (males absent on the first). Journal of Biological Chemistry, 2018, 293, 3410-3420.	1.3	72
83	Discovery of Small-Molecule Antagonists of the H3K9me3 Binding to UHRF1 Tandem Tudor Domain. SLAS Discovery, 2018, 23, 930-940.	1.9	45
84	Discovery of Potent and Selective Allosteric Inhibitors of Protein Arginine Methyltransferase 3 (PRMT3). Journal of Medicinal Chemistry, 2018, 61, 1204-1217.	4.0	43
85	MYC Interacts with the G9a Histone Methyltransferase to Drive Transcriptional Repression and Tumorigenesis. Cancer Cell, 2018, 34, 579-595.e8.	28.4	120
86	Functional diversification of the NleG effector family in enterohemorrhagic Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10004-10009.	5.2	27
87	DOT1L inhibition attenuates graft-versus-host disease by allogeneic T cells in adoptive immunotherapy models. Nature Communications, 2018, 9, .	10.8	33
88	Identification of Rpl29 as a major substrate of the lysine methyltransferase Set7/9. Journal of Biological Chemistry, 2018, 293, 12770-12780.	1.3	38
89	Identification and Structure–Activity Relationship of HDAC6 Zinc-Finger Ubiquitin Binding Domain Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 4517-4527.	4.0	66
90	Mammary molecular portraits reveal lineage-specific features and progenitor cell vulnerabilities. Journal of Cell Biology, 2018, 217, 2951-2974.	3.6	44

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91	The SUV4-20 inhibitor A-196 verifies a role for epigenetics in genomic integrity. Nature Chemical Biology, 2017, 13, 317-324.	9.1	133
92	Epigenetic siRNA and Chemical Screens Identify SETD8 Inhibition as a Therapeutic Strategy for p53 Activation in High-Risk Neuroblastoma. Cancer Cell, 2017, 31, 50-63.	28.4	110
93	The EED protein–protein interaction inhibitor A-395 inactivates the PRC2 complex. Nature Chemical Biology, 2017, 13, 389-395.	9.1	219
94	Discovery of Potent and Selective Inhibitors for G9a-Like Protein (GLP) Lysine Methyltransferase. Journal of Medicinal Chemistry, 2017, 60, 1876-1891.	4.0	76
95	Targeting human SET1/MLL family of proteins. Protein Science, 2017, 26, 662-676.	3.5	57
96	Discovery of Peptidomimetic Ligands of EED as Allosteric Inhibitors of PRC2. ACS Combinatorial Science, 2017, 19, 161-172.	4.5	49
97	The SMX DNA Repair Tri-nuclease. Molecular Cell, 2017, 65, 848-860.e11.	8.6	129
98	Early-life antibiotic treatment enhances the pathogenicity of CD4+ T cells during intestinal inflammation. Journal of Leukocyte Biology, 2017, 101, 893-900.	1.7	35
99	Conformational dynamics of the TTD–PHD histone reader module of the UHRF1 epigenetic regulator reveals multiple histone-binding states, allosteric regulation, and druggability. Journal of Biological Chemistry, 2017, 292, 20947-20959.	1.3	48
100	A p53 Super-tumor Suppressor Reveals a Tumor Suppressive p53-Ptpn14-Yap Axis in Pancreatic Cancer. Cancer Cell, 2017, 32, 460-473.e6.	28.4	178
101	Small Molecule Antagonists of the Interaction between the Histone Deacetylase 6 Zinc-Finger Domain and Ubiquitin. Journal of Medicinal Chemistry, 2017, 60, 9090-9096.	4.0	43
102	WD40 repeat domain proteins: a novel target class?. Nature Reviews Drug Discovery, 2017, 16, 773-786.	43.4	317
103	Fate mapping of human glioblastoma reveals an invariant stem cell hierarchy. Nature, 2017, 549, 227-232.	30.7	401
104	LSD1-Mediated Epigenetic Reprogramming Drives CENPE Expression and Prostate Cancer Progression. Cancer Research, 2017, 77, 5479-5490.	2.6	93
105	ASCL1 Reorganizes Chromatin to Direct Neuronal Fate and Suppress Tumorigenicity of Glioblastoma Stem Cells. Cell Stem Cell, 2017, 21, 209-224.e7.	11.6	196
106	Structural and Functional Survey of Environmental Aminoglycoside Acetyltransferases Reveals Functionality of Resistance Enzymes. ACS Infectious Diseases, 2017, 3, 653-665.	2.7	12
107	Global analysis of protein folding using massively parallel design, synthesis, and testing. Science, 2017, 357, 168-175.	26.1	543
108	Assay interference and off-target liabilities of reported histone acetyltransferase inhibitors. Nature Communications, 2017, 8, .	10.8	116

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109	Structure-activity relationship studies of G9a-like protein (GLP) inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 4414-4423.	2.1	36
110	A Suite of Biochemical Assays for Screening RNA Methyltransferase BCDIN3D. SLAS Discovery, 2017, 22, 32-39.	1.9	18
111	Diverse modes of galacto-specific carbohydrate recognition by a family 31 glycoside hydrolase from Clostridium perfringens. PLoS ONE, 2017, 12, e0171606.	1.5	17
112	Discovery of a Potent and Selective Coactivator Associated Arginine Methyltransferase 1 (CARM1) Inhibitor by Virtual Screening. Journal of Medicinal Chemistry, 2016, 59, 6838-6847.	4.0	62
113	Integrated (epi)-Genomic Analyses Identify Subgroup-Specific Therapeutic Targets in CNS Rhabdoid Tumors. Cancer Cell, 2016, 30, 891-908.	28.4	247
114	A community resource of experimental data for NMR / X-ray crystal structure pairs. Protein Science, 2016, 25, 30-45.	3.5	28
115	SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/β-Catenin and Hippo/YAP Signaling. Developmental Cell, 2016, 37, 47-57.	5.3	108
116	PR Domain-containing Protein 7 (PRDM7) Is a Histone 3 Lysine 4 Trimethyltransferase. Journal of Biological Chemistry, 2016, 291, 13509-13519.	1.3	35
117	Discovery and Characterization of a Highly Potent and Selective Aminopyrazoline-Based in Vivo Probe (BAY-598) for the Protein Lysine Methyltransferase SMYD2. Journal of Medicinal Chemistry, 2016, 59, 4578-4600.	4.0	88
118	An Integrative Proteomic Approach Identifies Novel Cellular SMYD2 Substrates. Journal of Proteome Research, 2016, 15, 2052-2059.	2.2	25
119	Structure–Activity Relationship Studies for Enhancer of Zeste Homologue 2 (EZH2) and Enhancer of Zeste Homologue 1 (EZH1) Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 7617-7633.	4.0	62
120	Discovery of a Potent, Selective, and Cell-Active Dual Inhibitor of Protein Arginine Methyltransferase 4 and Protein Arginine Methyltransferase 6. Journal of Medicinal Chemistry, 2016, 59, 9124-9139.	4.0	87
121	Solution NMR structure of the HLTF HIRAN domain: a conserved module in SWI2/SNF2 DNA damage tolerance proteins. Journal of Biomolecular NMR, 2016, 66, 209-219.	1.6	17
122	Structure-Based Design of a Covalent Inhibitor of the SET Domain-Containing Protein 8 (SETD8) Lysine Methyltransferase. Journal of Medicinal Chemistry, 2016, 59, 9881-9889.	4.0	43
123	Methyltransferase inhibitors for modulation of the epigenome and beyond. Current Opinion in Chemical Biology, 2016, 33, 81-87.	4.6	28
124	Functional interdependence of BRD4 and DOT1L in MLL leukemia. Nature Structural and Molecular Biology, 2016, 23, 673-681.	5.8	107
125	Discovery of a Potent Class I Protein Arginine Methyltransferase Fragment Inhibitor. Journal of Medicinal Chemistry, 2016, 59, 1176-1183.	4.0	37
126	Coordination of stress signals by the lysine methyltransferase SMYD2 promotes pancreatic cancer. Genes and Development, 2016, 30, 772-785.	2.8	79

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127	A cellular chemical probe targeting the chromodomains of Polycomb repressive complex 1. Nature Chemical Biology, 2016, 12, 180-187.	9.1	176
128	Structure-Based Optimization of a Small Molecule Antagonist of the Interaction Between WD Repeat-Containing Protein 5 (WDR5) and Mixed-Lineage Leukemia 1 (MLL1). Journal of Medicinal Chemistry, 2016, 59, 2478-2496.	4.0	89
129	A Radioactivity-Based Assay for Screening Human m6A-RNA Methyltransferase, METTL3-METTL14 Complex, and Demethylase ALKBH5. SLAS Discovery, 2016, 21, 290-297.	1.9	132
130	A Potent, Selective, and Cell-Active Inhibitor of Human Type I Protein Arginine Methyltransferases. ACS Chemical Biology, 2016, 11, 772-781.	2.5	293
131	Design of a fluorescent ligand targeting the S-adenosylmethionine binding site of the histone methyltransferase MLL1. Organic and Biomolecular Chemistry, 2016, 14, 631-638.	1.8	17
132	BET bromodomain inhibition enhances T cell persistence and function in adoptive immunotherapy models. Journal of Clinical Investigation, 2016, 126, 3479-3494.	6.6	209
133	A Potent, Selective and Cell-Active Allosteric Inhibitor of Protein Arginine Methyltransferase 3 (PRMT3). Angewandte Chemie, 2015, 127, 5255-5259.	0.9	3
134	Optimizing Production of Antigens and Fabs in the Context of Generating Recombinant Antibodies to Human Proteins. PLoS ONE, 2015, 10, e0139695.	1.5	28
135	Kinetic characterization of human histone H3 lysine 36 methyltransferases, ASH1L and SETD2. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1842-1848.	1.6	49
136	Identification of a Fragment-like Small Molecule Ligand for the Methyl-lysine Binding Protein, 53BP1. ACS Chemical Biology, 2015, 10, 1072-1081.	2.5	65
137	KCMF1 (potassium channel modulatory factor 1) Links RAD6 to UBR4 (ubiquitin N-recognin domain-containing E3 ligase 4) and Lysosome-Mediated Degradation*. Molecular and Cellular Proteomics, 2015, 14, 674-685.	3.2	57
138	A Potent, Selective and Cell-Active Allosteric Inhibitor of Protein Arginine Methyltransferase 3 (PRMT3). Angewandte Chemie - International Edition, 2015, 54, 5166-5170.	11.6	128
139	Pharmacological targeting of the Wdr5-MLL interaction in C/EBPα N-terminal leukemia. Nature Chemical Biology, 2015, 11, 571-578.	9.1	287
140	Solution-state NMR structure of the putative morphogene protein BolA (PFE0790c) fromPlasmodium falciparum. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 514-521.	0.6	5
141	Assessment of a method to characterize antibody selectivity and specificity for use in immunoprecipitation. Nature Methods, 2015, 12, 725-731.	13.1	127
142	Discovery of a Dual PRMT5–PRMT7 Inhibitor. ACS Medicinal Chemistry Letters, 2015, 6, 408-412.	2.1	96
143	Cbx2 Targets PRC1 to Constitutive Heterochromatin in Mouse Zygotes in a Parent-of-Origin-Dependent Manner. Molecular Cell, 2015, 58, 157-171.	8.6	91
144	Discovery of A-893, A New Cell-Active Benzoxazinone Inhibitor of Lysine Methyltransferase SMYD2. ACS Medicinal Chemistry Letters, 2015, 6, 695-700.	2.1	66

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145	The second round of Critical Assessment of Automated Structure Determination of Proteins by NMR: CASD-NMR-2013. Journal of Biomolecular NMR, 2015, 62, 413-424.	1.6	30
146	LLY-507, a Cell-active, Potent, and Selective Inhibitor of Protein-lysine Methyltransferase SMYD2. Journal of Biological Chemistry, 2015, 290, 13641-13653.	1.3	122
147	WDR5 Supports an N-Myc Transcriptional Complex That Drives a Protumorigenic Gene Expression Signature in Neuroblastoma. Cancer Research, 2015, 75, 5143-5154.	2.6	110
148	Structural Characterization of Interaction between Human Ubiquitin-specific Protease 7 and Immediate-Early Protein ICP0 of Herpes Simplex Virus-1. Journal of Biological Chemistry, 2015, 290, 22907-22918.	1.3	38
149	Gain-of-function p53 mutants co-opt chromatin pathways to drive cancer growth. Nature, 2015, 525, 206-211.	30.7	471
150	MLL5 Orchestrates a Cancer Self-Renewal State by Repressing the Histone Variant H3.3 and Globally Reorganizing Chromatin. Cancer Cell, 2015, 28, 715-729.	28.4	101
151	Structural and Functional Characterization of DUF1471 Domains of Salmonella Proteins SrfN, YdgH/SssB, and YahO. PLoS ONE, 2014, 9, e101787.	1.5	28
152	Trimethylation of Histone H3 Lysine 36 by Human Methyltransferase PRDM9 Protein. Journal of Biological Chemistry, 2014, 289, 12177-12188.	1.3	118
153	RPRD1A and RPRD1B are human RNA polymerase II C-terminal domain scaffolds for Ser5 dephosphorylation. Nature Structural and Molecular Biology, 2014, 21, 686-695.	5.8	100
154	(R)-PFI-2 is a potent and selective inhibitor of SETD7 methyltransferase activity in cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12853-12858.	5.2	185
155	Structural Characterization of a Flexible Two-Domain Protein in Solution Using Small Angle X-Ray Scattering and NMR Data. Structure, 2014, 22, 1862-1874.	2.4	12
156	A global assessment of cancer genomic alterations in epigenetic mechanisms. Epigenetics and Chromatin, 2014, 7, .	2.2	68
157	Basic Tilted Helix Bundle – A new protein fold in human FKBP25/FKBP3 and HectD1. Biochemical and Biophysical Research Communications, 2014, 447, 26-31.	1.5	14
158	Accessibility of Different Histone H3-Binding Domains of UHRF1 Is Allosterically Regulated by Phosphatidylinositol 5-Phosphate. Molecular Cell, 2014, 54, 905-919.	8.6	124
159	The study of epigenetic mechanisms based on the analysis of histone modification patterns by flow cytoametry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 78-87.	1.6	25
160	A Basic Post-SET Extension of NSDs Is Essential for Nucleosome Binding In Vitro. SLAS Discovery, 2014, 19, 928-935.	1.9	42
161	Discovery of a Selective, Substrate-Competitive Inhibitor of the Lysine Methyltransferase SETD8. Journal of Medicinal Chemistry, 2014, 57, 6822-6833.	4.0	110
162	An Unusual Mode of Galactose Recognition by a Family 32 Carbohydrate-Binding Module. Journal of Molecular Biology, 2014, 426, 869-880.	2.9	23

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163	Methyltransferase G9A regulates T cell differentiation during murine intestinal inflammation. Journal of Clinical Investigation, 2014, 124, 1945-1955.	6.6	97
164	Control of the Hippo Pathway by Set7-Dependent Methylation of Yap. Developmental Cell, 2013, 26, 188-194.	5.3	159
165	The structure–activity relationships of L3MBTL3 inhibitors: flexibility of the dimer interface. MedChemComm, 2013, 4, 1501.	4.5	24
166	Discovery of an in Vivo Chemical Probe of the Lysine Methyltransferases G9a and GLP. Journal of Medicinal Chemistry, 2013, 56, 8931-8942.	4.0	271
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