

List of Publications by Citations

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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.

103 papers	4,870 citations	34 h-index	68 g-index
126 ext. papers	5,715 ext. citations	8.6 avg, IF	6.21 L-index

#	Paper	IF	Citations
103	Developing irreversible inhibitors of the protein kinase cysteinome. <i>Chemistry and Biology</i> , 2013 , 20, 146-59		465
102	Squaramides: physical properties, synthesis and applications. <i>Chemical Society Reviews</i> , 2011 , 40, 2330-46	48.5	392
101	Modern advances in heterocyclic chemistry in drug discovery. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6611-37	3.9	349
100	Target validation using chemical probes. <i>Nature Chemical Biology</i> , 2013 , 9, 195-9	11.7	297
99	Sulfonyl fluorides as privileged warheads in chemical biology. <i>Chemical Science</i> , 2015 , 6, 2650-2659	9.4	253
98	Antibody catalysis of the oxidation of water. <i>Science</i> , 2001 , 293, 1806-11	33.3	226
97	Broad-Spectrum Kinase Profiling in Live Cells with Lysine-Targeted Sulfonyl Fluoride Probes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 680-685	16.4	180
96	Physicochemical drug properties associated with in vivo toxicological outcomes: a review. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2009 , 5, 921-31	5.5	118
95	Rational targeting of active-site tyrosine residues using sulfonyl fluoride probes. <i>ACS Chemical Biology</i> , 2015 , 10, 1094-8	4.9	113
94	Applications of chemogenomic library screening in drug discovery. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 285-296	64.1	101
93	Small molecules targeting hepatitis C virus-encoded NS5A cause subcellular redistribution of their target: insights into compound modes of action. <i>Journal of Virology</i> , 2011 , 85, 6353-68	6.6	98
92	Molecular scaffolds using multiple orthogonal conjugations: applications in chemical biology and drug discovery. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6320-6	16.4	90
91	Discovery of a JAK3-Selective Inhibitor: Functional Differentiation of JAK3-Selective Inhibition over pan-JAK or JAK1-Selective Inhibition. <i>ACS Chemical Biology</i> , 2016 , 11, 3442-3451	4.9	85
90	Recent advances in the molecular design of synthetic vaccines. <i>Nature Chemistry</i> , 2015 , 7, 952-60	17.6	81
89	Know your target, know your molecule. <i>Nature Chemical Biology</i> , 2015 , 11, 368-72	11.7	74
88	Helix persistence and breakdown in oligoureas of metaphenylenediamine: apparent diastereotopicity as a spectroscopic marker of helix length in solution. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15193-202	16.4	74
87	Uptake, efficacy, and systemic distribution of naked, inhaled short interfering RNA (siRNA) and locked nucleic acid (LNA) antisense. <i>Molecular Therapy</i> , 2011 , 19, 2163-8	11.7	73

86	Oxaziridine-mediated amination of primary amines: scope and application to a one-pot pyrazole synthesis. <i>Organic Letters</i> , 2005 , 7, 713-6	6.2	72
85	Selection of a novel anti-nicotine vaccine: influence of antigen design on antibody function in mice. <i>PLoS ONE</i> , 2013 , 8, e76557	3.7	65
84	Discovery of PF-06928215 as a high affinity inhibitor of cGAS enabled by a novel fluorescence polarization assay. <i>PLoS ONE</i> , 2017 , 12, e0184843	3.7	63
83	Covalent Enzyme Inhibition through Fluorosulfate Modification of a Noncatalytic Serine Residue. <i>ACS Chemical Biology</i> , 2017 , 12, 2015-2020	4.9	61
82	Aromatic chloride to nitrile transformation: medicinal and synthetic chemistry. <i>MedChemComm</i> , 2010 , 1, 309-318	5	61
81	Thermodynamic optimisation in drug discovery: a case study using carbonic anhydrase inhibitors. <i>ChemMedChem</i> , 2009 , 4, 1985-9	3.7	58
80	Click-enabled heterotrifunctional template for sequential bioconjugations. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 548-54	3.9	53
79	Understanding and applying tyrosine biochemical diversity. <i>Molecular BioSystems</i> , 2014 , 10, 952-69		46
78	Total synthesis of (+)-zaragozic acid C. <i>Journal of Organic Chemistry</i> , 2000 , 65, 7020-32	4.2	46
77	Novel indazole non-nucleoside reverse transcriptase inhibitors using molecular hybridization based on crystallographic overlays. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1219-23	8.3	45
76	Small-Molecule Kinase Downregulators. <i>Cell Chemical Biology</i> , 2018 , 25, 30-35	8.2	45
75	Synthetic phosphorylation of p38 β recapitulates protein kinase activity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1698-701	16.4	40
74	Transcriptional Profiling of a Selective CREB Binding Protein Bromodomain Inhibitor Highlights Therapeutic Opportunities. <i>Chemistry and Biology</i> , 2015 , 22, 1588-96		38
73	Aryloxymaleimides for cysteine modification, disulfide bridging and the dual functionalization of disulfide bonds. <i>Chemical Communications</i> , 2014 , 50, 7139-42	5.8	37
72	A mild synthesis of N-functionalised bromomaleimides, thiomaleimides and bromopyridazinediones. <i>Tetrahedron Letters</i> , 2013 , 54, 3493-3495	2	36
71	Structure-based design and analysis of SuFEx chemical probes. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 10-17	3.5	34
70	Labeling Preferences of Diazirines with Protein Biomolecules. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6691-6700	16.4	32
69	Dual-pharmacology muscarinic antagonist and β -agonist molecules for the treatment of chronic obstructive pulmonary disease. <i>Future Medicinal Chemistry</i> , 2011 , 3, 1585-605	4.1	31

68	Total synthesis of (+)-zaragozic acid C. <i>Tetrahedron Letters</i> , 1998 , 39, 3337-3340	2	30
67	Chemistry and biology of biomolecule nitration. <i>Chemistry and Biology</i> , 2012 , 19, 1086-92		29
66	Relaying stereochemistry through aromatic ureas: 1,9 and 1,15 remote stereocontrol. <i>Chemical Communications</i> , 2009 , 547-9	5.8	29
65	Identification of novel macrolides with antibacterial, anti-inflammatory and type I and III IFN-augmenting activity in airway epithelium. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 2767-81	5.1	28
64	Chemoselective Preparation of Clickable Aryl Sulfonyl Fluoride Monomers: A Toolbox of Highly Functionalized Intermediates for Chemical Biology Probe Synthesis. <i>ChemBioChem</i> , 2016 , 17, 1925-1930	3.8	28
63	Structure-Based Design of Highly Selective Inhibitors of the CREB Binding Protein Bromodomain. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5349-5363	8.3	24
62	TAK1 selective inhibition: state of the art and future opportunities. <i>Future Medicinal Chemistry</i> , 2015 , 7, 23-33	4.1	24
61	Reactive Chemical Probes: Beyond the Kinase Cysteine. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9220-9223	16.4	24
60	Competition-based, quantitative chemical proteomics in breast cancer cells identifies new target profiles for sulforaphane. <i>Chemical Communications</i> , 2017 , 53, 5182-5185	5.8	23
59	Binding site elucidation and structure guided design of macrocyclic IL-17A antagonists. <i>Scientific Reports</i> , 2016 , 6, 30859	4.9	23
58	Critical Assessment of Targeted Protein Degradation as a Research Tool and Pharmacological Modality. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 305-317	13.2	22
57	Target validation using in-cell small molecule clickable imaging probes. <i>MedChemComm</i> , 2014 , 5, 247-254	5	22
56	A flow cytometry-based screen identifies MBNL1 modulators that rescue splicing defects in myotonic dystrophy type I. <i>Human Molecular Genetics</i> , 2017 , 26, 3056-3068	5.6	21
55	Pyrazole NNRTIs 3: optimisation of physicochemical properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5603-6	2.9	20
54	Mehrfache orthogonale Konjugationen mit Molekülgeräten: Anwendung in der chemischen Biologie und Wirkstoff-Forschung. <i>Angewandte Chemie</i> , 2012 , 124, 6426-6432	3.6	19
53	Comparison of the non-nucleoside reverse transcriptase inhibitor lersivirine with its pyrazole and imidazole isomers. <i>Chemical Biology and Drug Design</i> , 2011 , 77, 393-7	2.9	19
52	Cellular thermal shift and clickable chemical probe assays for the determination of drug-target engagement in live cells. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6179-83	3.9	19
51	Highly potent and selective Na1.7 inhibitors for use as intravenous agents and chemical probes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4805-4811	2.9	18

50	Microfluidic-Enabled Intracellular Delivery of Membrane Impermeable Inhibitors to Study Target Engagement in Human Primary Cells. <i>ACS Chemical Biology</i> , 2017 , 12, 2970-2974	4.9	18
49	Cell permeable affinity- and activity-based probes. <i>Future Medicinal Chemistry</i> , 2015 , 7, 2131-41	4.1	18
48	Fragment-based covalent ligand discovery. <i>RSC Chemical Biology</i> , 2021 , 2, 354-367	3	18
47	Clinical chemoproteomics-Opportunities and obstacles. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	17
46	Inhalation by design: dual pharmacology β_2 agonists/M3 antagonists for the treatment of COPD. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 2759-63	2.9	17
45	Conversion of enediynes into quinones by antibody catalysis and in aqueous buffers: implications for an alternative enediyne therapeutic mechanism. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3607-8	16.4	17
44	Selective Downregulation of JAK2 and JAK3 by an ATP-Competitive pan-JAK Inhibitor. <i>ACS Chemical Biology</i> , 2017 , 12, 1183-1187	4.9	16
43	In-cell click labelling of small molecules to determine subcellular localisation. <i>Journal of Chemical Biology</i> , 2011 , 4, 49-53		16
42	A concise and selective synthesis of novel 5-aryloxyimidazole NNRTIs. <i>Organic Letters</i> , 2006 , 8, 1725-7	6.2	16
41	Novel selective inhibitors of neutral endopeptidase for the treatment of female sexual arousal disorder. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 142-59	3.4	15
40	Design of Potent mRNA Decapping Scavenger Enzyme (DcpS) Inhibitors with Improved Physicochemical Properties To Investigate the Mechanism of Therapeutic Benefit in Spinal Muscular Atrophy (SMA). <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 3094-3108	8.3	14
39	TAK1 inhibition in the DFG-out conformation. <i>Chemical Biology and Drug Design</i> , 2013 , 82, 500-5	2.9	14
38	Chemical motifs that redox cycle and their associated toxicity. <i>MedChemComm</i> , 2013 , 4, 1175	5	14
37	Efficient conversion of a nonselective norepinephrin reuptake inhibitor into a dual muscarinic antagonist-agonist for the treatment of chronic obstructive pulmonary disease. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 6998-7002	8.3	14
36	Design and synthesis of a fluorescent muscarinic antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 825-7	2.9	14
35	Optimization of 5-aryloxyimidazole non-nucleoside reverse transcriptase inhibitors. <i>ChemMedChem</i> , 2008 , 3, 1756-62	3.7	13
34	In vitro and in vivo effects of 2,4 diaminoquinazoline inhibitors of the decapping scavenger enzyme DcpS: Context-specific modulation of SMN transcript levels. <i>PLoS ONE</i> , 2017 , 12, e0185079	3.7	13
33	Human amyotrophic lateral sclerosis excitability phenotype screen: Target discovery and validation. <i>Cell Reports</i> , 2021 , 35, 109224	10.6	11

32	Cleavage of the cyclohexyl-subunit of rapamycin results in loss of immunosuppressive activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999 , 9, 459-62	2.9	10
31	PF-07059013: A Noncovalent Modulator of Hemoglobin for Treatment of Sickle Cell Disease. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 326-342	8.3	10
30	Medicinal chemistry of glucagon-like peptide receptor agonists. <i>Progress in Medicinal Chemistry</i> , 2013 , 52, 45-96	7.3	9
29	Direct photocapture of bromodomains using tropolone chemical probes. <i>MedChemComm</i> , 2015 , 6, 1018-1023	5.023	8
28	A library approach to rapidly discover photoaffinity probes of the mRNA decapping scavenger enzyme DcpS. <i>Molecular BioSystems</i> , 2015 , 11, 2709-12		8
27	Label-free technologies for target identification and validation. <i>MedChemComm</i> , 2016 , 7, 769-777	5	8
26	Molecular hybridization yields triazole bronchodilators for the treatment of COPD. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5121-6	2.9	7
25	Optimized glucuronidation of dual pharmacology β_2 agonists/M3 antagonists for the treatment of COPD. <i>MedChemComm</i> , 2011 , 2, 870	5	7
24	Synthetic chemistry-led creation of a difluorinated biaryl ether non-nucleoside reverse transcriptase inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 3431-3	3.9	7
23	Design and development of histone deacetylase (HDAC) chemical probes for cell-based profiling. <i>Molecular BioSystems</i> , 2016 , 12, 1781-9		7
22	Target Validation Using PROTACs: Applying the Four Pillars Framework. <i>SLAS Discovery</i> , 2021 , 26, 474-483	4.34	7
21	Click chemistry patents and their impact on drug discovery and chemical biology. <i>Pharmaceutical Patent Analyst</i> , 2015 , 4, 109-19	0.6	6
20	Understanding the chemically-reactive proteome. <i>Molecular BioSystems</i> , 2016 , 12, 1728-30		6
19	Active immunization with a glycolipid transition state analogue protects against endotoxic shock. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4241-4	16.4	6
18	LanCLs add glutathione to dehydroamino acids generated at phosphorylated sites in the proteome. <i>Cell</i> , 2021 , 184, 2680-2695.e26	56.2	6
17	Quantitative measurement of intracellular HDAC1/2 drug occupancy using a -cyclooctene largazole thiol probe. <i>MedChemComm</i> , 2017 , 8, 767-770	5	5
16	Expanding chemogenomic space using chemoproteomics. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 3451-3453	3.4	5
15	Selectivity Determination of a Small Molecule Chemical Probe Using Protein Microarray and Affinity Capture Techniques. <i>ACS Combinatorial Science</i> , 2016 , 18, 611-615	3.9	5

14	Reaktive chemische Sonden: Jenseits des Kinase-Cysteinoms. <i>Angewandte Chemie</i> , 2018 , 130, 9362-9365.	3.6	4
13	Physicochemistry of Cereblon Modulating Drugs Determines Pharmacokinetics and Disposition. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 1861-1865	4.3	4
12	Biotherapeutics. <i>RSC Drug Discovery Series</i> , 2013 ,	0.6	4
11	Development of a cell viability assay to assess drug metabolite structure-toxicity relationships. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 4003-6	2.9	3
10	Precision Retargeting: A Selective Covalent Inhibitor Illuminates CDK7 Biology. <i>Cell Chemical Biology</i> , 2019 , 26, 779-780	8.2	3
9	Inhalation by design. <i>Future Medicinal Chemistry</i> , 2011 , 3, 1563-5	4.1	3
8	Quantifying drug-target engagement in live cells using sulfonyl fluoride chemical probes. <i>Methods in Enzymology</i> , 2019 , 622, 201-220	1.7	2
7	Welcome to Pharmaceutical Patent Analyst. Foreword. <i>Pharmaceutical Patent Analyst</i> , 2012 , 1, 1-2	0.6	2
6	Quantitative affinity-based chemical proteomics of TrkA inhibitors. <i>MedChemComm</i> , 2012 , 3, 322-325	5	2
5	Design of next-generation covalent inhibitors: Targeting residues beyond cysteine. <i>Annual Reports in Medicinal Chemistry</i> , 2021 , 56, 95-134	1.6	2
4	Pharmacological Correction of Proteinopathies via Lysosomal Degradation. <i>Biochemistry</i> , 2020 , 59, 727-728	3.2	2
3	Rare diseases. Foreword. <i>Future Medicinal Chemistry</i> , 2014 , 6, 969-70	4.1	
2	Thermodynamic Profiling of Carbonic Anhydrase Inhibitors. <i>Methods and Principles in Medicinal Chemistry</i> , 2015 , 137-154	0.4	
1	Medicinal Chemical Biology	1-37	