

# Ivanhoe K H Leung

## List of Publications by Citations

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77  
papers

2,252  
citations

23  
h-index

46  
g-index

81  
ext. papers

2,643  
ext. citations

6.2  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
77	The oncometabolite 2-hydroxyglutarate inhibits histone lysine demethylases. <i>EMBO Reports</i> , <b>2011</b> , 12, 463-9	6.5	719
76	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. <i>Chemical Science</i> , <b>2017</b> , 8, 7651-7668	9.4	104
75	Plant growth regulator daminozide is a selective inhibitor of human KDM2/7 histone demethylases. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 6639-43	8.3	102
74	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. <i>Nature Communications</i> , <b>2016</b> , 7, 12673	17.4	73
73	Dynamic combinatorial chemistry employing boronic acids/boronate esters leads to potent oxygenase inhibitors. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6672-5	16.4	71
72	Structural and mechanistic studies on $\beta$ -butyrobetaine hydroxylase. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 1316-24		70
71	Non-enzymatic chemistry enables 2-hydroxyglutarate-mediated activation of 2-oxoglutarate oxygenases. <i>Nature Communications</i> , <b>2014</b> , 5, 3423	17.4	55
70	Human oxygen sensing may have origins in prokaryotic elongation factor Tu prolyl-hydroxylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13331-6	11.5	52
69	Reporter ligand NMR screening method for 2-oxoglutarate oxygenase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 547-55	8.3	50
68	A photoreactive small-molecule probe for 2-oxoglutarate oxygenases. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 642-654		44
67	Diphenylacetylene-linked peptide strands induce bidirectional $\beta$ -sheet formation. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3650-3	16.4	39
66	Studies on deacetoxycephalosporin C synthase support a consensus mechanism for 2-oxoglutarate dependent oxygenases. <i>Biochemistry</i> , <b>2014</b> , 53, 2483-93	3.2	37
65	Investigating the contribution of the active site environment to the slow reaction of hypoxia-inducible factor prolyl hydroxylase domain 2 with oxygen. <i>Biochemical Journal</i> , <b>2014</b> , 463, 363-72	3.8	36
64	Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132004	3.7	35
63	Novel tyrosyl-DNA phosphodiesterase 1 inhibitors enhance the therapeutic impact of topotecan on <i>in vivo</i> tumor models. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 161, 581-593	6.8	35
62	An approach to enzyme inhibition employing reversible boronate ester formation. <i>MedChemComm</i> , <b>2011</b> , 2, 390	5	34
61	The Ugi four-component reaction enables expedient synthesis and comparison of photoaffinity probes. <i>Chemical Science</i> , <b>2013</b> , 4, 4115	9.4	32

60	Protein-Directed Dynamic Combinatorial Chemistry: A Guide to Protein Ligand and Inhibitor Discovery. <i>Molecules</i> , <b>2016</b> , 21,	4.8	30
59	Using NMR solvent water relaxation to investigate metalloenzyme-ligand binding interactions. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 867-75	8.3	27
58	A Critical Update on the Synthesis of Carboxylated Polymers of Intrinsic Microporosity (C-PIMs). <i>Macromolecules</i> , <b>2017</b> , 50, 3043-3050	5.5	25
57	Dynamic Combinatorial Chemistry Employing Boronic Acids/Boronate Esters Leads to Potent Oxygenase Inhibitors. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6776-6779	3.6	24
56	Development and application of a fluoride-detection-based fluorescence assay for $\beta$ -butyrobetaine hydroxylase. <i>ChemBioChem</i> , <b>2012</b> , 13, 1559-63	3.8	24
55	A Novel Class of Tyrosyl-DNA Phosphodiesterase 1 Inhibitors That Contains the Octahydro-2-chromen-4-ol Scaffold. <i>Molecules</i> , <b>2018</b> , 23,	4.8	24
54	Targeting isocitrate lyase for the treatment of latent tuberculosis. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 1008-1016	8.8	23
53	New Hydrazinothiazole Derivatives of Usnic Acid as Potent Tdp1 Inhibitors. <i>Molecules</i> , <b>2019</b> , 24,	4.8	23
52	2-Oxoglutarate regulates binding of hydroxylated hypoxia-inducible factor to prolyl hydroxylase domain 2. <i>Chemical Communications</i> , <b>2018</b> , 54, 3130-3133	5.8	23
51	MCR-1: a promising target for structure-based design of inhibitors to tackle polymyxin resistance. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 206-216	8.8	23
50	Synthesis of the Azepinobisindole Alkaloid Iheyamine A Enabled by a Cross-Mannich Reaction. <i>Organic Letters</i> , <b>2016</b> , 18, 5404-5407	6.2	23
49	Protein-ligand binding affinity determination by the waterLOGSY method: An optimised approach considering ligand rebinding. <i>Scientific Reports</i> , <b>2017</b> , 7, 43727	4.9	20
48	Virtual screening and biophysical studies lead to HSP90 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 277-281	2.9	19
47	$\beta$ -Butyrobetaine hydroxylase catalyses a Stevens type rearrangement. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 4975-8	2.9	19
46	Promising New Inhibitors of Tyrosyl-DNA Phosphodiesterase I (Tdp 1) Combining 4-Arylcoumarin and Monoterpenoid Moieties as Components of Complex Antitumor Therapy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	19
45	Binding of (5S)-penicilloic acid to penicillin binding protein 3. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 2112-6	4.9	18
44	Fluoromethylated derivatives of carnitine biosynthesis intermediates--synthesis and applications. <i>Chemical Communications</i> , <b>2014</b> , 50, 1175-7	5.8	17
43	Substrate specificity of polyphenol oxidase. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2020</b> , 55, 274-308	8.7	15

42	Total Synthesis and Conformational Study of Callyaerin A: Anti-Tubercular Cyclic Peptide Bearing a Rare Rigidifying (Z)-2,3- Diaminoacrylamide Moiety. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3631-3635	16.4	14
41	The Development of Tyrosyl-DNA Phosphodiesterase 1 Inhibitors. Combination of Monoterpene and Adamantine Moieties via Amide or Thioamide Bridges. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2767	2.6	14
40	Diphenylacetylene-Linked Peptide Strands Induce Bidirectional $\beta$ Sheet Formation. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3724-3727	3.6	14
39	Novel Inhibitors of DNA Repair Enzyme TDP1 Combining Monoterpenoid and Adamantane Fragments. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 463-472	2.2	14
38	Sensory, Microbiological and Physicochemical Characterisation of Functional Manuka Honey Yogurts Containing Probiotic DPC16. <i>Foods</i> , <b>2020</b> , 9,	4.9	14
37	Non-competitive cyclic peptides for targeting enzyme-substrate complexes. <i>Chemical Science</i> , <b>2018</b> , 9, 4569-4578	9.4	13
36	Comparison of the substrate selectivity and biochemical properties of human and bacterial Ebutyrobetaine hydroxylase. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 6354-8	3.9	13
35	Harnessing ester bond chemistry for protein ligation. <i>Chemical Communications</i> , <b>2017</b> , 53, 1502-1505	5.8	11
34	Acetyl-CoA-mediated activation of Mycobacterium tuberculosis isocitrate lyase 2. <i>Nature Communications</i> , <b>2019</b> , 10, 4639	17.4	11
33	Oxygenase-catalyzed desymmetrization of N,N-dialkyl-piperidine-4-carboxylic acids. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10925-7	16.4	11
32	Identification of Isoform-Selective Ligands for the Middle Domain of Heat Shock Protein 90 (Hsp90). <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	11
31	Protein-Small Molecule Interactions by WaterLOGSY. <i>Methods in Enzymology</i> , <b>2019</b> , 615, 477-500	1.7	11
30	An Efficient Chemical Synthesis of Lassomycin Enabled by an On-Resin Lactamisation/Off-Resin Methanolysis Strategy and Preparation of Chemical Variants. <i>Australian Journal of Chemistry</i> , <b>2017</b> , 70, 172	1.2	10
29	Cyclization of Linear Tetrapeptides Containing N-Methylated Amino Acids by using 1-Propanephosphonic Acid Anhydride. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 149-158	3.2	10
28	Selective recognition of the di/trimethylammonium motif by an artificial carboxycalixarene receptor. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 1100-1105	3.9	7
27	Development of NMR and thermal shift assays for the evaluation of isocitrate lyase inhibitors. <i>MedChemComm</i> , <b>2017</b> , 8, 2155-2163	5	7
26	An improved method for the heterologous production of soluble human ribosomal proteins in Escherichia coli. <i>Scientific Reports</i> , <b>2019</b> , 9, 8884	4.9	6
25	Targeting mRNA translation in Parkinson's disease. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 1295-1303	8.8	6

24	Studies on the Glutathione-Dependent Formaldehyde-Activating Enzyme from <i>Paracoccus denitrificans</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0145085	3.7	6
23	Itaconate is a covalent inhibitor of the isocitrate lyase. <i>RSC Medicinal Chemistry</i> , <b>2021</b> , 12, 57-61	3.5	6
22	Development and application of ligand-based NMR screening assays for $\beta$ -butyrobetaine hydroxylase. <i>MedChemComm</i> , <b>2016</b> , 7, 873-880	5	5
21	An approach to recombinantly produce mature grape polyphenol oxidase. <i>Biochimie</i> , <b>2019</b> , 165, 40-47	4.6	5
20	Interactions of $\beta$ -Lactoglobulin With Small Molecules <b>2019</b> , 560-565		4
19	Studies on the Substrate Selectivity of the Hypoxia-Inducible Factor Prolyl Hydroxylase 2 Catalytic Domain. <i>ChemBioChem</i> , <b>2018</b> , 19, 2262-2267	3.8	4
18	Oxygenase-Catalyzed Desymmetrization of N,N-Dialkyl-piperidine-4-carboxylic Acids. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11105-11107	3.6	4
17	NMR studies of the non-haem Fe(II) and 2-oxoglutarate-dependent oxygenases. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 177, 384-394	4.2	4
16	Effect of consecutive rare codons on the recombinant production of human proteins in <i>Escherichia coli</i> . <i>IUBMB Life</i> , <b>2020</b> , 72, 266-274	4.7	4
15	Discovery of novel phosphatidylcholine-specific phospholipase C drug-like inhibitors as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 187, 111919	6.8	4
14	Synthetic insect antifreeze peptides modify ice crystal growth habit. <i>CrystEngComm</i> , <b>2017</b> , 19, 2163-2167	3.3	3
13	Development, synthesis and biological investigation of a novel class of potent PC-PLC inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 191, 112162	6.8	3
12	Development and Application of an NMR-Based Assay for Polyphenol Oxidases. <i>ChemistrySelect</i> , <b>2017</b> , 2, 10435-10441	1.8	3
11	Discovery of novel Hsp90 C-terminal domain inhibitors that disrupt co-chaperone binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 38, 127857	2.9	3
10	Validating TDP1 as an Inhibition Target for the Development of Chemosensitizers for Camptothecin-Based Chemotherapy Drugs. <i>Oncology and Therapy</i> , <b>2021</b> , 9, 541-556	2.7	3
9	Total synthesis of the proposed structure of talarolide A. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 5286-5293	3.9	2
8	Novel Thermophilic Bacterial Laccase for the Degradation of Aromatic Organic Pollutants. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 711345	5	2
7	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 16609-16625	8.3	2

6	Carbon Monoxide is an Inhibitor of HIF Prolyl Hydroxylase Domain 2. <i>ChemBioChem</i> , <b>2021</b> , 22, 2521-2525	3.8	2
5	An optimised MALDI-TOF assay for phosphatidylcholine-specific phospholipase C. <i>Analytical Methods</i> , <b>2021</b> , 13, 491-496	3.2	1
4	Characterisation and optimisation of a novel laccase from <i>Sulfitobacter indolifex</i> for the decolourisation of organic dyes. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 574-584	7.9	1
3	A novel tyrosine hyperoxidation enables selective peptide cleavage.. <i>Chemical Science</i> , <b>2022</b> , 13, 2753-2763	5.4	0
2	An investigation into the effect of ribosomal protein S15 phosphorylation on its intermolecular interactions by using phosphomimetic mutant. <i>Chemical Communications</i> , <b>2020</b> , 56, 7857-7860	5.8	
1	Titelbild: Diphenylacetylene-Linked Peptide Strands Induce Bidirectional $\beta$ Sheet Formation (Angew. Chem. 14/2014). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3591-3591	3.6	