

Ivanhoe K H Leung

List of Publications by Year in Descending Order

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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.

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	A novel tyrosine hyperoxidation enables selective peptide cleavage.. <i>Chemical Science</i> , 2022 , 13, 2753-2763	5.4	0
76	Novel Thermophilic Bacterial Laccase for the Degradation of Aromatic Organic Pollutants. <i>Frontiers in Chemistry</i> , 2021 , 9, 711345	5	2
75	Structure-Based Design of Selective Fat Mass and Obesity Associated Protein (FTO) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 16609-16625	8.3	2
74	Discovery of novel Hsp90 C-terminal domain inhibitors that disrupt co-chaperone binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 38, 127857	2.9	3
73	Validating TDP1 as an Inhibition Target for the Development of Chemosensitizers for Camptothecin-Based Chemotherapy Drugs. <i>Oncology and Therapy</i> , 2021 , 9, 541-556	2.7	3
72	Carbon Monoxide is an Inhibitor of HIF Prolyl Hydroxylase Domain 2. <i>ChemBioChem</i> , 2021 , 22, 2521-2525	3.8	2
71	Itaconate is a covalent inhibitor of the isocitrate lyase. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 57-61	3.5	6
70	An optimised MALDI-TOF assay for phosphatidylcholine-specific phospholipase C. <i>Analytical Methods</i> , 2021 , 13, 491-496	3.2	1
69	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> , 2021 , 190, 574-584	7.9	1
68	An investigation into the effect of ribosomal protein S15 phosphorylation on its intermolecular interactions by using phosphomimetic mutant. <i>Chemical Communications</i> , 2020 , 56, 7857-7860	5.8	
67	Development, synthesis and biological investigation of a novel class of potent PC-PLC inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020 , 191, 112162	6.8	3
66	Sensory, Microbiological and Physicochemical Characterisation of Functional Manuka Honey Yogurts Containing Probiotic DPC16. <i>Foods</i> , 2020 , 9,	4.9	14
65	Substrate specificity of polyphenol oxidase. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020 , 55, 274-308	8.7	15
64	Effect of consecutive rare codons on the recombinant production of human proteins in <i>Escherichia coli</i> . <i>IUBMB Life</i> , 2020 , 72, 266-274	4.7	4
63	Discovery of novel phosphatidylcholine-specific phospholipase C drug-like inhibitors as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 187, 111919	6.8	4
62	New Hydrazinothiazole Derivatives of Usnic Acid as Potent Tdp1 Inhibitors. <i>Molecules</i> , 2019 , 24,	4.8	23
61	Interactions of β -Lactoglobulin With Small Molecules 2019 , 560-565		4

60	An improved method for the heterologous production of soluble human ribosomal proteins in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019 , 9, 8884	4.9	6
59	Targeting mRNA translation in Parkinson's disease. <i>Drug Discovery Today</i> , 2019 , 24, 1295-1303	8.8	6
58	MCR-1: a promising target for structure-based design of inhibitors to tackle polymyxin resistance. <i>Drug Discovery Today</i> , 2019 , 24, 206-216	8.8	23
57	The Development of Tyrosyl-DNA Phosphodiesterase 1 Inhibitors. Combination of Monoterpene and Adamantine Moieties via Amide or Thioamide Bridges. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2767	2.6	14
56	An approach to recombinantly produce mature grape polyphenol oxidase. <i>Biochimie</i> , 2019 , 165, 40-47	4.6	5
55	Acetyl-CoA-mediated activation of <i>Mycobacterium tuberculosis</i> isocitrate lyase 2. <i>Nature Communications</i> , 2019 , 10, 4639	17.4	11
54	Novel Inhibitors of DNA Repair Enzyme TDP1 Combining Monoterpenoid and Adamantane Fragments. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019 , 19, 463-472	2.2	14
53	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> , 2019 , 21,	6.3	19
52	Identification of Isoform-Selective Ligands for the Middle Domain of Heat Shock Protein 90 (Hsp90). <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
51	Protein-Small Molecule Interactions by WaterLOGSY. <i>Methods in Enzymology</i> , 2019 , 615, 477-500	1.7	11
50	Novel tyrosyl-DNA phosphodiesterase 1 inhibitors enhance the therapeutic impact of topotecan on in vivo tumor models. <i>European Journal of Medicinal Chemistry</i> , 2019 , 161, 581-593	6.8	35
49	Non-competitive cyclic peptides for targeting enzyme-substrate complexes. <i>Chemical Science</i> , 2018 , 9, 4569-4578	9.4	13
48	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> , 2018 , 57, 3631-3635	16.4	14
47	2-Oxoglutarate regulates binding of hydroxylated hypoxia-inducible factor to prolyl hydroxylase domain 2. <i>Chemical Communications</i> , 2018 , 54, 3130-3133	5.8	23
46	Total synthesis of the proposed structure of talarolide A. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 5286-5293	3.9	2
45	Studies on the Substrate Selectivity of the Hypoxia-Inducible Factor Prolyl Hydroxylase 2 Catalytic Domain. <i>ChemBioChem</i> , 2018 , 19, 2262-2267	3.8	4
44	A Novel Class of Tyrosyl-DNA Phosphodiesterase 1 Inhibitors That Contains the Octahydro-2-chromen-4-ol Scaffold. <i>Molecules</i> , 2018 , 23,	4.8	24
43	Harnessing ester bond chemistry for protein ligation. <i>Chemical Communications</i> , 2017 , 53, 1502-1505	5.8	11

42	Selective recognition of the di/trimethylammonium motif by an artificial carboxycalixarene receptor. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 1100-1105	3.9	7
41	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> , 2017 , 70, 172	1.2	10
40	Synthetic insect antifreeze peptides modify ice crystal growth habit. <i>CrystEngComm</i> , 2017 , 19, 2163-2167	3.3	3
39	Targeting isocitrate lyase for the treatment of latent tuberculosis. <i>Drug Discovery Today</i> , 2017 , 22, 1008-1016	3.16	23
38	Virtual screening and biophysical studies lead to HSP90 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 277-281	2.9	19
37	A Critical Update on the Synthesis of Carboxylated Polymers of Intrinsic Microporosity (C-PIMs). <i>Macromolecules</i> , 2017 , 50, 3043-3050	5.5	25
36	Development of NMR and thermal shift assays for the evaluation of isocitrate lyase inhibitors. <i>MedChemComm</i> , 2017 , 8, 2155-2163	5	7
35	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. <i>Chemical Science</i> , 2017 , 8, 7651-7668	9.4	104
34	NMR studies of the non-haem Fe(II) and 2-oxoglutarate-dependent oxygenases. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 384-394	4.2	4
33	Protein-ligand binding affinity determination by the waterLOGSY method: An optimised approach considering ligand rebinding. <i>Scientific Reports</i> , 2017 , 7, 43727	4.9	20
32	Cyclization of Linear Tetrapeptides Containing N-Methylated Amino Acids by using 1-Propanephosphonic Acid Anhydride. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 149-158	3.2	10
31	Development and Application of an NMR-Based Assay for Polyphenol Oxidases. <i>ChemistrySelect</i> , 2017 , 2, 10435-10441	1.8	3
30	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. <i>Nature Communications</i> , 2016 , 7, 12673	17.4	73
29	Development and application of ligand-based NMR screening assays for β -butyrobetaine hydroxylase. <i>MedChemComm</i> , 2016 , 7, 873-880	5	5
28	Protein-Directed Dynamic Combinatorial Chemistry: A Guide to Protein Ligand and Inhibitor Discovery. <i>Molecules</i> , 2016 , 21,	4.8	30
27	Synthesis of the Azepinobisindole Alkaloid Iheyamine A Enabled by a Cross-Mannich Reaction. <i>Organic Letters</i> , 2016 , 18, 5404-5407	6.2	23
26	Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. <i>PLoS ONE</i> , 2015 , 10, e0132004	3.7	35
25	Studies on the Glutathione-Dependent Formaldehyde-Activating Enzyme from <i>Paracoccus denitrificans</i> . <i>PLoS ONE</i> , 2015 , 10, e0145085	3.7	6

24	Diphenylacetylene-linked peptide strands induce bidirectional β sheet formation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3650-3	16.4	39
23	Fluoromethylated derivatives of carnitine biosynthesis intermediates--synthesis and applications. <i>Chemical Communications</i> , 2014 , 50, 1175-7	5.8	17
22	Oxygenase-catalyzed desymmetrization of N,N-dialkyl-piperidine-4-carboxylic acids. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10925-7	16.4	11
21	Non-enzymatic chemistry enables 2-hydroxyglutarate-mediated activation of 2-oxoglutarate oxygenases. <i>Nature Communications</i> , 2014 , 5, 3423	17.4	55
20	Oxygenase-Catalyzed Desymmetrization of N,N-Dialkyl-piperidine-4-carboxylic Acids. <i>Angewandte Chemie</i> , 2014 , 126, 11105-11107	3.6	4
19	Studies on deacetoxycephalosporin C synthase support a consensus mechanism for 2-oxoglutarate dependent oxygenases. <i>Biochemistry</i> , 2014 , 53, 2483-93	3.2	37
18	Diphenylacetylene-Linked Peptide Strands Induce Bidirectional β sheet Formation. <i>Angewandte Chemie</i> , 2014 , 126, 3724-3727	3.6	14
17	Titelbild: Diphenylacetylene-Linked Peptide Strands Induce Bidirectional β sheet Formation (Angew. Chem. 14/2014). <i>Angewandte Chemie</i> , 2014 , 126, 3591-3591	3.6	
16	Comparison of the substrate selectivity and biochemical properties of human and bacterial β butyrobetaine hydroxylase. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 6354-8	3.9	13
15	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> , 2014 , 111, 13331-6	11.5	52
14	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> , 2014 , 463, 363-72	3.8	36
13	The Ugi four-component reaction enables expedient synthesis and comparison of photoaffinity probes. <i>Chemical Science</i> , 2013 , 4, 4115	9.4	32
12	Reporter ligand NMR screening method for 2-oxoglutarate oxygenase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 547-55	8.3	50
11	Binding of (5S)-penicilloic acid to penicillin binding protein 3. <i>ACS Chemical Biology</i> , 2013 , 8, 2112-6	4.9	18
10	Plant growth regulator daminozide is a selective inhibitor of human KDM2/7 histone demethylases. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 6639-43	8.3	102
9	β Butyrobetaine hydroxylase catalyses a Stevens type rearrangement. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 4975-8	2.9	19
8	Dynamic Combinatorial Chemistry Employing Boronic Acids/Boronate Esters Leads to Potent Oxygenase Inhibitors. <i>Angewandte Chemie</i> , 2012 , 124, 6776-6779	3.6	24
7	Dynamic combinatorial chemistry employing boronic acids/boronate esters leads to potent oxygenase inhibitors. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6672-5	16.4	71

6	Development and application of a fluoride-detection-based fluorescence assay for β -butyrobetaine hydroxylase. <i>ChemBioChem</i> , 2012 , 13, 1559-63	3.8	24
5	The oncometabolite 2-hydroxyglutarate inhibits histone lysine demethylases. <i>EMBO Reports</i> , 2011 , 12, 463-9	6.5	719
4	A photoreactive small-molecule probe for 2-oxoglutarate oxygenases. <i>Chemistry and Biology</i> , 2011 , 18, 642-654		44
3	An approach to enzyme inhibition employing reversible boronate ester formation. <i>MedChemComm</i> , 2011 , 2, 390	5	34
2	Using NMR solvent water relaxation to investigate metalloenzyme-ligand binding interactions. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 867-75	8.3	27
1	Structural and mechanistic studies on β -butyrobetaine hydroxylase. <i>Chemistry and Biology</i> , 2010 , 17, 1316-24		70