

Bernard T Golding

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.

66
papers

1,722
citations

19
h-index

40
g-index

68
ext. papers

1,892
ext. citations

6
avg, IF

3.97
L-index

#	Paper	IF	Citations
66	Influence of the methyl group in isoprene epoxides on reactivity compared to butadiene epoxides: Biological significance.. <i>Chemico-Biological Interactions</i> , 2022 , 109949	5	0
65	Defining Pathways of Anaerobic Alkane Oxidation: Synthesis of Enantiomers of 4-Methylalkanoic Acids and (2-Methylalkyl)malonic Acids. <i>ChemistrySelect</i> , 2021 , 6, 3976-3981	1.8	0
64	Enantiopure 2,9-Dideuterodecane [Preparation and Proof of Enantiopurity. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 3854-3863	3.2	
63	2-Arylamino-6-ethynylpurines are cysteine-targeting irreversible inhibitors of Nek2 kinase. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 707-731	3.5	2
62	The Story of Rucaparib (Rubraca) 2019 , 201-223		2
61	Photochemistry of 2-butenedial and 4-oxo-2-pentenal under atmospheric boundary layer conditions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 1160-1171	3.6	7
60	Identification of a novel orally bioavailable ERK5 inhibitor with selectivity over p38 and BRD4. <i>European Journal of Medicinal Chemistry</i> , 2019 , 178, 530-543	6.8	7
59	Identification of a novel ligand for the ATAD2 bromodomain with selectivity over BRD4 through a fragment growing approach. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 1843-1850	3.9	10
58	The impact of Brexit on British science: Also Sprach Zunderland. <i>Future Medicinal Chemistry</i> , 2017 , 9, 271-273	4.1	1
57	Cyclin-Dependent Kinase (CDK) Inhibitors: Structure-Activity Relationships and Insights into the CDK-2 Selectivity of 6-Substituted 2-Arylamino-purines. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1746-1767	8.3	56
56	Degradation of radiation grafted hydroxide anion exchange membrane immersed in neutral pH: removal of vinylbenzyl trimethylammonium hydroxide due to oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1248-1267	13	46
55	Cooperative hydrogen bonds form a pseudocycle stabilizing an isolated complex of isocyanic acid with urea. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25080-25085	3.6	4
54	Conversion of cis-2-carboxycyclohexylacetyl-CoA in the downstream pathway of anaerobic naphthalene degradation. <i>Environmental Microbiology</i> , 2017 , 19, 2819-2830	5.2	14
53	Structure-guided design of purine-based probes for selective Nek2 inhibition. <i>Oncotarget</i> , 2017 , 8, 19089-19128	3.3	128
52	Combined PI3K and CDK2 inhibition induces cell death and enhances in vivo antitumour activity in colorectal cancer. <i>British Journal of Cancer</i> , 2016 , 115, 682-90	8.7	33
51	Synthesis and Biological Evaluation of N(2) -Substituted 2,4-Diamino-6-cyclohexylmethoxy-5-nitrosopyrimidines and Related 5-Cyano-NNO-azoxy Derivatives as Cyclin-Dependent Kinase 2 (CDK2) Inhibitors. <i>ChemMedChem</i> , 2016 , 11, 1705-8	3.7	5
50	COST Action CM1201 "Biomimetic Radical Chemistry": free radical chemistry successfully meets many disciplines. <i>Free Radical Research</i> , 2016 , 50, S112-S128	4	1

49	New derivatives of the antimalarial drug Pyrimethamine in the control of melanoma tumor growth: an in vitro and in vivo study. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016 , 35, 137	12.8	14
48	Metabolism of Hydrocarbons in n-Alkane-Utilizing Anaerobic Bacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2016 , 26, 138-51	0.9	68
47	Design and synthesis of biphenyl and biphenyl ether inhibitors of sulfatases. <i>Chemical Science</i> , 2016 , 7, 2821-2826	9.4	4
46	A new tool for the chemical genetic investigation of the Plasmodium falciparum Pfnek-2 NIMA-related kinase. <i>Malaria Journal</i> , 2016 , 15, 535	3.6	4
45	High-Throughput Screening and Hit Validation of Extracellular-Related Kinase 5 (ERK5) Inhibitors. <i>ACS Combinatorial Science</i> , 2016 , 18, 444-55	3.9	12
44	Elucidating the Stereochemistry of Enzymatic Benzylsuccinate Synthesis with Chirally Labeled Toluene. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11664-7	16.4	9
43	Identification and Characterization of an Irreversible Inhibitor of CDK2. <i>Chemistry and Biology</i> , 2015 , 22, 1159-64		69
42	Searching for Dual Inhibitors of the MDM2-p53 and MDMX-p53 Protein-Protein Interaction by a Scaffold-Hopping Approach. <i>Chemical Biology and Drug Design</i> , 2015 , 86, 180-9	2.9	10
41	Versatile transformations of hydrocarbons in anaerobic bacteria: substrate ranges and regio- and stereo-chemistry of activation reactions. <i>Frontiers in Microbiology</i> , 2015 , 6, 880	5.7	23
40	Trifluoroacetic acid in 2,2,2-trifluoroethanol facilitates S(N)Ar reactions of heterocycles with arylamines. <i>Chemistry - A European Journal</i> , 2014 , 20, 2311-7	4.8	26
39	Anaerobic activation of p-cymene in denitrifying betaproteobacteria: methyl group hydroxylation versus addition to fumarate. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7592-603	4.8	51
38	Model system for irreversible inhibition of Nek2: thiol addition to ethynylpurines and related substituted heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 141-8	3.9	15
37	Synthesis of 3'-deoxy-3'-fluorothymidine (FLT) 5'-O-glucuronide: a reference standard for imaging studies with [¹⁸ F]FLT. <i>MedChemComm</i> , 2014 , 5, 984-988	5	1
36	Sir John Warcup Cornforth (1917-2013). <i>Angewandte Chemie</i> , 2014 , 126, 3616-3616	3.6	
35	Sir John Warcup Cornforth (1917-2013). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3546	16.4	
34	Stereochemical investigations reveal the mechanism of the bacterial activation of n-alkanes without oxygen. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1334-8	16.4	58
33	Radical Enzymes 2012 ,		5
32	Stereochemische Untersuchungen enthellen den Mechanismus der sauerstofffreien Aktivierung von n-Alkanen durch Bakterien. <i>Angewandte Chemie</i> , 2012 , 124, 1362-1366	3.6	11

31	Preclinical in vitro and in vivo evaluation of the potent and specific cyclin-dependent kinase 2 inhibitor NU6102 and a water soluble prodrug NU6301. <i>European Journal of Cancer</i> , 2011 , 47, 2052-9	7.5	11
30	Identification and characterization of 2'-deoxyadenosine adducts formed by isoprene monoepoxides in vitro. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1048-61	4	5
29	Synthesis of sulfonamide-based kinase inhibitors from sulfonates by exploiting the abrogated SN2 reactivity of 2,2,2-trifluoroethoxysulfonates. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2457-64	3.9	16
28	Modeling the formation and reactions of benzene metabolites. <i>Chemico-Biological Interactions</i> , 2010 , 184, 196-200	5	13
27	Mechanism-Based Inactivation of Coenzyme B12-Dependent 2-Methyleneglutarate Mutase by (Z)-Glutaconate and Buta-1,3-diene-2,3-dicarboxylate. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3622-3626	2.3	7
26	Searching for cyclin-dependent kinase inhibitors using a new variant of the cope elimination. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6012-3	16.4	50
25	N2-substituted O6-cyclohexylmethylguanine derivatives: potent inhibitors of cyclin-dependent kinases 1 and 2. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 3710-22	8.3	105
24	Synthesis, characterization, and identification of N7-guanine adducts of isoprene monoepoxides in vitro. <i>Chemical Research in Toxicology</i> , 2004 , 17, 929-36	4	14
23	Stereochemical and kinetic comparisons of mono- and diepoxide formation in the in vitro metabolism of isoprene by liver microsomes from rats, mice, and humans. <i>Chemical Research in Toxicology</i> , 2003 , 16, 933-44	4	7
22	Structure-based design of a potent purine-based cyclin-dependent kinase inhibitor. <i>Nature Structural Biology</i> , 2002 , 9, 745-9		175
21	Designing inhibitors of cyclin-dependent kinases. <i>Annual Review of Pharmacology and Toxicology</i> , 2002 , 42, 325-48	17.9	91
20	Synthesis of highly hindered oxepins and an azepine from bis-trityl carbenium ions: structural characterisation by NMR and X-ray crystallography. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 2673-2679		10
19	Controlled stepwise conversion of 2,4,6,8-tetrachloropyrimido[5,4-d]pyrimidine into 2,4,6,8-tetrasubstituted pyrimido[5,4-d]pyrimidines. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 108-115		
18	Metabolism and molecular toxicology of isoprene. <i>Chemico-Biological Interactions</i> , 2001 , 135-136, 223-38		29
17	Resistance-modifying agents. 9. Synthesis and biological properties of benzimidazole inhibitors of the DNA repair enzyme poly(ADP-ribose) polymerase. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 4084-97	8.3	248
16	Intramolecular functionalisation by a methylene radical of a 1,2-diol and a vicinal amino alcohol: models for coenzyme B12-dependent diol dehydratase and ethanolamine ammonia lyase. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 4488-4498		8
15	Synthesis of enantiopure isoprene epoxides from (S)-lactic acid via β -disposke intermediates. <i>Chemical Communications</i> , 2000 , 1141-1142	5.8	5
14	A Convenient Preparation of p-Methoxybenzyl Esters. <i>Synthetic Communications</i> , 2000 , 30, 4197-4204	1.7	8

13	Ring Opening of the Cyclopropylcarbinyl Radical and Its N- and O-Substituted Analogues: A Theoretical Examination of Very Fast Unimolecular Reactions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10223-10233	16.4	89
12	A monofunctional derivative of melphalan: preparation, DNA alkylation products, and determination of the specificity of monoclonal antibodies that recognize melphalan-DNA adducts. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1162-8	4	17
11	Identification of the 4-glutamyl radical as an intermediate in the carbon skeleton rearrangement catalyzed by coenzyme B12-dependent glutamate mutase from <i>Clostridium cochlearium</i> . <i>Biochemistry</i> , 1998 , 37, 4105-13	3.2	90
10	Studies on the molecular toxicology of buta-1,3-diene and isoprene epoxides. <i>Toxicology</i> , 1996 , 113, 290-3	4.4	9
9	Peripher substituierte Cobaloxime - die Struktur von Hexylbis[1,8-di(N-morpholino)octan-4,5-dioximato]pyridincobalt(III). <i>Angewandte Chemie</i> , 1995 , 107, 2580-2581	3.6	4
8	New routes to polyamine analogues. <i>Biochemical Society Transactions</i> , 1994 , 22, 391S	5.1	1
7	In vivo and ex vivo magnetic resonance spectroscopy as applied to pharmacokinetic studies with anticancer agents: a review. <i>NMR in Biomedicine</i> , 1992 , 5, 273-8	4.4	11
6	Attempted kinetic resolution of 1,2-diols by camphorquinone: generation of (R)-(chloromethyl)oxirane. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991 , 747		8
5	Intrinsic reactivities in the alkylations of protected amino acids by (R)- and (S)-methyloxirane. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984 , 1737		9
4	A model system based on photodecompositions of alkylcobaloximes for the conversion of 1,2-diols to aldehydes catalysed by diol dehydrase. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1978 , 839		12
3	Limitations of t-butyldimethylsilyl as a protecting group for hydroxy-functions. <i>Journal of the Chemical Society Chemical Communications</i> , 1975 , 249		33
2	Reaction between vicinal diols and hydrogen bromide in acetic acid; synthesis of chiral propylene oxide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1973 , 1214		57
1	B12-Dependent Enzyme Reactions, Chemistry of 1		1