Bernard T Golding

List of Publications by Year
in descending order

63	2,042	448610	274796
papers	citations	19 h-index	44 g-index

68	68	68	2816
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parallel Optimization of Potency and Pharmacokinetics Leading to the Discovery of a Pyrrole Carboxamide ERK5 Kinase Domain Inhibitor. Journal of Medicinal Chemistry, 2022, 65, 6513-6540.	2.9	3
2	Influence of the methyl group in isoprene epoxides on reactivity compared to butadiene epoxides: Biological significance. Chemico-Biological Interactions, 2022, 361, 109949.	1.7	3
3	Defining Pathways of Anaerobic Alkane Oxidation: Synthesis of Enantiomers of 4â€Methylalkanoic Acids and (2â€Methylalkyl)malonic Acids. ChemistrySelect, 2021, 6, 3976-3981.	0.7	1
4	Enantiopure 2,9â€Ðideuterodecane â€“ Preparation and Proof of Enantiopurity. European Journal of Organic Chemistry, 2021, 2021, 3854-3863.	1.2	0
5	2-Arylamino-6-ethynylpurines are cysteine-targeting irreversible inhibitors of Nek2 kinase. RSC Medicinal Chemistry, 2020, 11, 707-731.	1.7	8
6	Photochemistry of 2-butenedial and 4-oxo-2-pentenal under atmospheric boundary layer conditions. Physical Chemistry Chemical Physics, 2019, 21, 1160-1171.	1.3	13
7	Identification of a novel orally bioavailable ERK5 inhibitor with selectivity over p38Î± and BRD4. European Journal of Medicinal Chemistry, 2019, 178, 530-543.	2.6	15
8	Identification of a novel ligand for the ATAD2 bromodomain with selectivity over BRD4 through a fragment growing approach. Organic and Biomolecular Chemistry, 2018, 16, 1843-1850.	1.5	15
9	The consequences of â€˜Brexitâ€™ for drug discovery and development, and the regulatory implications. Expert Opinion on Drug Discovery, 2018, 13, 583-585.	2.5	3
10	The impact of Brexit on British science: Also Sprach Zunderland. Future Medicinal Chemistry, 2017, 9, 271-273.	1.1	2
11	Cyclin-Dependent Kinase (CDK) Inhibitors: Structureâ€“Activity Relationships and Insights into the CDK-2 Selectivity of 6-Substituted 2-Arylaminopurines. Journal of Medicinal Chemistry, 2017, 60, 1746-1767.	2.9	77
12	Degradation of radiation grafted hydroxide anion exchange membrane immersed in neutral pH: removal of vinylbenzyl trimethylammonium hydroxide due to oxidation. Journal of Materials Chemistry A, 2017, 5, 1248-1267.	5.2	60
13	Cooperative hydrogen bonds form a pseudocycle stabilizing an isolated complex of isocyanic acid with urea. Physical Chemistry Chemical Physics, 2017, 19, 25080-25085.	1.3	6
14	Conversion of cisâ€2â€carboxycyclohexylacetylâ€CoA in the downstream pathway of anaerobic naphthalene degradation. Environmental Microbiology, 2017, 19, 2819-2830.	1.8	16
15	Structure-guided design of purine-based probes for selective Nek2 inhibition. Oncotarget, 2017, 8, 19089-19124.	0.8	13
16	A new tool for the chemical genetic investigation of the Plasmodium falciparum Pfnek-2 NIMA-related kinase. Malaria Journal, 2016, 15, 535.	0.8	4
17	High-Throughput Screening and Hit Validation of Extracellular-Related Kinase 5 (ERK5) Inhibitors. ACS Combinatorial Science, 2016, 18, 444-455.	3.8	18
18	Elucidating the Stereochemistry of Enzymatic Benzylsuccinate Synthesis with Chirally Labeled Toluene. Angewandte Chemie - International Edition, 2016, 55, 11664-11667.	7.2	12

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19	Combined PI3K and CDK2 inhibition induces cell death and enhances in vivo antitumour activity in colorectal cancer. British Journal of Cancer, 2016, 115, 682-690.	2.9	40
20	Synthesis and Biological Evaluation of N2-Substituted 2,4-Diamino-6-cyclohexylmethoxy-5-nitrosopyrimidines and Related 5-Cyano-NNO-azoxy Derivatives as Cyclin-Dependent Kinaseâ€...2 (CDK2) Inhibitors. ChemMedChem, 2016, 11, 1705-1708.	1.6	6
21	COST Action CM1201 â€œBiomimetic Radical Chemistryâ€• free radical chemistry successfully meets many disciplines. Free Radical Research, 2016, 50, S112-S128.	1.5	1
22	New derivatives of the antimalarial drug Pyrimethamine in the control of melanoma tumor growth: an in vitro and in vivo study. Journal of Experimental and Clinical Cancer Research, 2016, 35, 137.	3.5	21
23	Metabolism of Hydrocarbons in <i>n</i>-Alkane-Utilizing Anaerobic Bacteria. Journal of Molecular Microbiology and Biotechnology, 2016, 26, 138-151.	1.0	86
24	Design and synthesis of biphenyl and biphenyl ether inhibitors of sulfatases. Chemical Science, 2016, 7, 2821-2826.	3.7	5
25	Versatile transformations of hydrocarbons in anaerobic bacteria: substrate ranges and regio- and stereo-chemistry of activation reactionsâ€. Frontiers in Microbiology, 2015, 6, 880.	1.5	25
26	Identification and Characterization of an Irreversible Inhibitor of CDK2. Chemistry and Biology, 2015, 22, 1159-1164.	6.2	85
27	Searching for Dual Inhibitors of the <scp>MDM</scp>2â€“p53 and <scp>MDMX</scp>â€“p53 Proteinâ€“Protein Interaction by a Scaffoldâ€Hopping Approach. Chemical Biology and Drug Design, 2015, 86, 180-189.	1.5	12
28	Trifluoroacetic Acid in 2,2,2â€Trifluoroethanol Facilitates S_NAr Reactions of Heterocycles with Arylamines. Chemistry - A European Journal, 2014, 20, 2311-2317.	1.7	32
29	Anaerobic Activation of p -Cymene in Denitrifying Betaproteobacteria: Methyl Group Hydroxylation versus Addition to Fumarate. Applied and Environmental Microbiology, 2014, 80, 7592-7603.	1.4	60
30	Model system for irreversible inhibition of Nek2: thiol addition to ethynylpurines and related substituted heterocycles. Organic and Biomolecular Chemistry, 2014, 12, 141-148.	1.5	18
31	Synthesis of 3â€²-deoxy-3â€²-fluorothymidine (FLT) 5â€²-O-glucuronide: a reference standard for imaging studies with [¹⁸F]FLT. MedChemComm, 2014, 5, 984-988.	3.5	1
32	Sir John Warcup Cornforth (1917-2013). Angewandte Chemie, 2014, 126, 3616-3616.	1.6	0
33	Sir John Warcup Cornforth (1917-2013). Angewandte Chemie - International Edition, 2014, 53, 3546-3546.	7.2	0
34	Stereochemical Investigations Reveal the Mechanism of the Bacterial Activation of nâ€Alkanes without Oxygen. Angewandte Chemie - International Edition, 2012, 51, 1334-1338.	7.2	63
35	Identification and Characterization of 2â€²-Deoxyadenosine Adducts Formed by Isoprene Monoepoxides in Vitro. Chemical Research in Toxicology, 2011, 24, 1048-1061.	1.7	7
36	Preclinical in vitro and in vivo evaluation of the potent and specific cyclin-dependent kinase 2 inhibitor NU6102 and a water soluble prodrug NU6301. European Journal of Cancer, 2011, 47, 2052-2059.	1.3	12

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37	Modeling the formation and reactions of benzene metabolites. Chemico-Biological Interactions, 2010, 184, 196-200.	1.7	13
38	Synthesis of sulfonamide-based kinase inhibitors from sulfonates by exploiting the abrogated SN2 reactivity of 2,2,2-trifluoroethoxysulfonates. Organic and Biomolecular Chemistry, 2010, 8, 2457.	1.5	17
39	Searching for Cyclin-Dependent Kinase Inhibitors Using a New Variant of the Cope Elimination. Journal of the American Chemical Society, 2006, 128, 6012-6013.	6.6	64
40	Mechanism-Based Inactivation of Coenzyme B12-Dependent 2-Methyleneglutarate Mutase by (Z)-Glutaconate and Buta-1,3-diene-2,3-dicarboxylate. European Journal of Inorganic Chemistry, 2006, 2006, 3622-3626.	1.0	9
41	N2-SubstitutedO6-CyclohexylmethylguanineÂ Derivatives:Â Potent Inhibitors of Cyclin-Dependent Kinases 1 and 2. Journal of Medicinal Chemistry, 2004, 47, 3710-3722.	2.9	116
42	Synthesis, Characterization, and Identification of N7-Guanine Adducts of Isoprene Monoepoxides in Vitro. Chemical Research in Toxicology, 2004, 17, 929-936.	1.7	17
43	Stereochemical and Kinetic Comparisons of Mono- and Diepoxide Formation in the In Vitro Metabolism of Isoprene by Liver Microsomes from Rats, Mice, and Humans. Chemical Research in Toxicology, 2003, 16, 933-944.	1.7	12
44	DESIGNING INHIBITORS OF CYCLIN-DEPENDENT KINASES. Annual Review of Pharmacology and Toxicology, 2002, 42, 325-348.	4.2	95
45	Synthesis of highly hindered oxepins and an azepine from bis-trityl carbenium ions: structural characterisation by NMR and X-ray crystallography. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2673-2679.	1.3	11
46	Controlled stepwise conversion of 2,4,6,8-tetrachloropyrimido[5,4-d]pyrimidine into 2,4,6,8-tetrasubstituted pyrimido[5,4-d]pyrimidines. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 108-115.	1.3	1
47	Structure-based design of a potent purine-based cyclin-dependent kinase inhibitor. Nature Structural Biology, 2002, 9, 745-749.	9.7	198
48	Metabolism and molecular toxicology of isoprene. Chemico-Biological Interactions, 2001, 135-136, 223-238.	1.7	38
49	Resistance-Modifying Agents. 9.1Synthesis and Biological Properties of Benzimidazole Inhibitors of the DNA Repair Enzyme Poly(ADP-ribose) Polymerase. Journal of Medicinal Chemistry, 2000, 43, 4084-4097.	2.9	276
50	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. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 4488-4498.	1.3	8
51	Synthesis of enantiopure isoprene epoxides from (S)-lactic acid via â€˜dispokeâ€™ intermediates. Chemical Communications, 2000, , 1141-1142.	2.2	10
52	A Convenient Preparation ofp-Methoxybenzyl Esters. Synthetic Communications, 2000, 30, 4197-4204.	1.1	8
53	Ring Opening of the Cyclopropylcarbinyl Radical and ItsN- andO-Substituted Analogues:Â A Theoretical Examination of Very Fast Unimolecular Reactions. Journal of the American Chemical Society, 1998, 120, 10223-10233.	6.6	96
54	A Monofunctional Derivative of Melphalan:Â Preparation, DNA Alkylation Products, and Determination of the Specificity of Monoclonal Antibodies That Recognize Melphalanâ˜’DNA Adducts. Chemical Research in Toxicology, 1998, 11, 1162-1168.	1.7	19

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55	Identification of the 4-Glutamyl Radical as an Intermediate in the Carbon Skeleton Rearrangement Catalyzed by Coenzyme B12-Dependent Glutamate Mutase fromClostridiumcochlearium†. Biochemistry, 1998, 37, 4105-4113.	1.2	102
56	Studies on the molecular toxicology of buta-1,3-diene and isoprene epoxides. Toxicology, 1996, 113, 290-293.	2.0	11
57	New Routes to Polyamine Analogues. Biochemical Society Transactions, 1994, 22, 391S-391S.	1.6	1
58	In vivo and ex vivo magnetic resonance spectroscopy as applied to pharmacokinetic studies with anticancer agents: a review. NMR in Biomedicine, 1992, 5, 273-278.	1.6	17
59	Attempted kinetic resolution of 1,2-diols by camphorquinone: generation of (R)-(chloromethyl)oxirane. Journal of the Chemical Society Perkin Transactions 1, 1991, , 747.	0.9	11
60	Intrinsic reactivities in the alkylations of protected amino acids by (R)- and (S)-methyloxirane. Journal of the Chemical Society Perkin Transactions II, 1984, , 1737.	0.9	10
61	A model system based on photodecompositions of alkylcobaloximes for the conversion of 1,2-diols to aldehydes catalysed by diol dehydrase. Journal of the Chemical Society Perkin Transactions II, 1978, , 839.	0.9	14
62	Limitations of t-butyldimethylsilyl as a protecting group for hydroxy-functions. Journal of the Chemical Society Chemical Communications, 1975, , 249.	2.0	36
63	Reaction between vicinal diols and hydrogen bromide in acetic acid; synthesis of chiral propylene oxide. Journal of the Chemical Society Perkin Transactions 1, 1973, , 1214.	0.9	65