

# Richard S Grainger

## List of Publications by Year in descending order

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51  
papers

1,199  
citations

257450

24  
h-index

395702

33  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formal Synthesis of (âˆ“)â€”Aphanorphine Using Sequential Photomediated Radical Reactions of Dithiocarbamates. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5377-5380.	13.8	74
2	(1R,3R)-2-Methylene-1,3-dithiolane 1,3-dioxide: A highly reactive and selective chiral ketene equivalent.. <i>Journal of Organic Chemistry</i> , 1995, 60, 4962-4963.	3.2	62
3	Carbamoyl Radicalâ€”Mediated Synthesis and Semipinacol Rearrangement of Î²â€”Lactam Diols. <i>Chemistry - A European Journal</i> , 2014, 20, 6505-6517.	3.3	62
4	Dithiocarbamate Group Transfer Cyclization Reactions of Carbamoyl Radicals under â€”Tin-Freeâ€” Conditions. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3445-3448.	13.8	61
5	[FeFe]-Hydrogenase Synthetic Mimics Based on <i>Peri</i>-Substituted Dichalcogenides. <i>Organometallics</i> , 2014, 33, 4449-4460.	2.3	52
6	Sulfur Monoxide Transfer from <i>peri</i>-Substituted Trisulfide-2-oxides to Dienes: Substituent Effects, Mechanistic Studies and Application in Thiophene Synthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 5843-5852.	13.7	49
7	Recent advances in alkylidene carbene chemistry. <i>Tetrahedron</i> , 2015, 71, 7795-7835.	1.9	48
8	A Novel Recyclable Sulfur Monoxide Transfer Reagent. <i>Organic Letters</i> , 2001, 3, 3565-3568.	4.6	46
9	(1R,3R)-2-Methylene-1,3-dithiolane 1,3-dioxide: a highly reactive and highly selective chiral ketene equivalent in cycloaddition reactions with a broad range of dienes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 2771-2782.	0.9	44
10	Radical-mediated reduction of the dithiocarbamate group under tin-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4752.	2.8	43
11	A novel protecting group methodology for syntheses using nitroxides. <i>Chemical Communications</i> , 2013, 49, 10382-10384.	4.1	40
12	Highly diastereoselective 1,3-dipolar cycloaddition reactions of trans-2-methylene-1,3-dithiolane 1,3-dioxide with 3-oxidopyridinium and 3-oxidopyrylium betaines: a route to the tropane skeleton. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1884.	2.8	37
13	Semipinacol Rearrangement of <i>Cis</i>-Fused Î²-Lactam Diols into Keto-Bridged Bicyclic Lactams. <i>Organic Letters</i> , 2012, 14, 2234-2237.	4.6	34
14	A Synthetic Alternative to the Type-II Intramolecular 4 + 3 Cycloaddition Reaction. <i>Journal of Organic Chemistry</i> , 2003, 68, 7899-7902.	3.2	33
15	1,3-Dipolar Cycloaddition Reactions of trans-2-Methylene-1,3-dithiolane 1,3-Dioxide with Nitrones. <i>Journal of Organic Chemistry</i> , 1998, 63, 3481-3485.	3.2	31
16	New applications of dithiocarbamates in organic synthesis. <i>Heteroatom Chemistry</i> , 2007, 18, 568-571.	0.7	30
17	Thermal Elimination of Diethyldithiocarbamates and Application in the Synthesis of (Â±)-Ferrugine. <i>Journal of Organic Chemistry</i> , 2008, 73, 8116-8119.	3.2	30
18	Regioselective functionalisation of dibenzothiophenes through gold-catalysed intermolecular alkyne oxyarylation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8676-8686.	2.8	30

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19	2,7-di-tert-butyl-naphtho[1,8-cd][1,2]dithiole 1,2-dioxides: Thermally Stable, Photochemically Active vic-disulfoxides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4832-4835.	13.8	29
20	A nutritional perspective on plastic ingestion in wildlife. <i>Science of the Total Environment</i> , 2019, 656, 789-796.	8.0	28
21	Synthesis of the trans-hydrindane core of dictyoxetane. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4926.	2.8	27
22	Intercepting the Gold-Catalysed Meyer-Schuster Rearrangement by Controlled Protodemetalation: A Regioselective Hydration of Propargylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1519-1525.	4.3	27
23	Selective 1,5-Alkylidene-carbene Insertion Reactions on [3.2.1] Oxabicyclic Ethers: A New Approach toward the AB Ring System of Ingenol. <i>Organic Letters</i> , 2004, 6, 2961-2964.	4.6	26
24	Alkynyl sulfoxides as $\hat{\text{I}}^{\pm}$ -sulfinyl carbene equivalents: gold-catalysed oxidative cyclopropanation. <i>Chemical Communications</i> , 2017, 53, 5733-5736.	4.1	26
25	The tetramethylguanidine catalyzed Baylis-Hillman reaction: Effects of co-catalysts and alcohol solvents on reaction rate. <i>Catalysis Communications</i> , 2002, 3, 449-452.	3.3	23
26	Regioselective dibromination of methyl indole-3-carboxylate and application in the synthesis of 5,6-dibromoindoles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5021.	2.8	22
27	Photomediated asymmetric synthesis of ( $\hat{\text{C}}^{\pm}$ )-cuparene Electronic supplementary information (ESI) available: experimental procedures and data including copies of $^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ spectra for all new compounds, and NOESY spectra for compounds 9, 10, 11, 15 and 16. See <a href="http://www.rsc.org/suppdata/cc/b3/b300815k/">http://www.rsc.org/suppdata/cc/b3/b300815k/</a> . <i>Chemical Communications</i> , 2003, 1072-1073.	4.1	19
28	In search of a new class of stable nitroxide: synthesis and reactivity of a peri-substituted N,N-bissulfonylhydroxylamine. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2336.	2.8	19
29	N-Derivatives of peri-Substituted Dichalcogenide [FeFe]-Hydrogenase Mimics: Towards Photocatalytic Dyads for Hydrogen Production. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3146-3156.	2.0	17
30	Diastereotopic group selective intramolecular cycloadditions of sulfenic acids to 1,4-dienes Electronic supplementary information (ESI) available: Ball and stick representations of the X-ray crystal structures of 12a and 13a. See <a href="http://www.rsc.org/suppdata/ob/b3/b314176d/">http://www.rsc.org/suppdata/ob/b3/b314176d/</a> . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 151.	2.8	16
31	Stereoselective $\hat{\text{I}}^{\pm}$ -Annelation Reactions of 1,3-Dioxan-5-ones. <i>Journal of Organic Chemistry</i> , 2010, 75, 7461-7464.	3.2	13
32	Total synthesis of kottamide E. <i>Chemical Communications</i> , 2013, 49, 2296.	4.1	12
33	Gold-Catalyzed Intermolecular Alkyne Oxyarylation for C3 Functionalization of Benzothiophenes. <i>Organic Letters</i> , 2021, 23, 642-646.	4.6	11
34	Synthesis of Functional Oxazolidin-2-ones and Oxadiazin-2-ones in Two Steps from CO <sub>2</sub> via Cyclic $\hat{\text{I}}^{\pm}$ -Methylene Carbonates. <i>Synlett</i> , 1993, 1993, 423-424.	1.8	10
35	Stereoselective synthesis of 2,5-disubstituted-1,4-oxathiane S-oxides. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 404.	2.8	9
36	Direct formation of 4,5-disubstituted carbazoles via regioselective dilithiation. <i>Chemical Communications</i> , 2021, 57, 7252-7255.	4.1	9

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37	Glutathione peroxidase mimics based on conformationally-restricted, <i>peri</i> -like, 4,5-disubstituted fluorene dichalcogenides. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10565-10569.	2.8	8
38	Diastereotopic group selectivity and chemoselectivity of alkylidene carbene reactions on 8-oxabicyclo[3.2.1]oct-6-ene ring systems. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6856.	2.8	6
39	Intramolecular Ring-Opening Reactions of 1-(2-Methoxyphenyl)-6-oxabicyclo[3.2.0]heptanes: Spirocyclic Dihydrobenzofurans from Fused Bicyclic Oxetanes. <i>Synlett</i> , 2008, 2008, 25-28.	1.8	5
40	Resolution and Determination of the Absolute Configuration of the Enantiomers of a trans- $\lambda$ -Disulfoxide. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 4089-4092.	2.4	5
41	Synthesis of C-13 Oxidised Cuparene and Herbertane Sesquiterpenes via a PaternÅ²-BÅ¼chi Photocyclisation-Oxetane Fragmentation Strategy: Total Synthesis of 1,13-Herbertenediol. <i>Synlett</i> , 2004, 2004, 2379-2381.	1.8	4
42	Asymmetric Synthesis and Cycloaddition Chemistry of Trans-2-Methylene-1,3-Dithiolane 1,3-Dioxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 95, 337-338.	1.6	2
43	Synthesis highlights. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2007, 103, 140.	0.9	2
44	A Synthetic Alternative to the Type-II Intramolecular [4 + 3] Cycloaddition Reaction.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
45	Diastereotopic Group Selective Intramolecular Cycloadditions of Sulfenic Acids to 1,4-Dienes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
46	Dithiocarbamate Group Transfer Cyclization Reactions of Carbamoyl Radicals under â€œTin-Freeâ€• Conditions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
47	Stereoselective Synthesis of 2,5-Disubstituted-1,4-oxathiane S-Oxides.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
48	Highlights from the 41st EUCHEM Conference on Stereochemistry, BÅ¼rgenstock, Switzerland, April 2006. <i>Chemical Communications</i> , 2006, , 3269-3272.	4.1	0
49	The 41<sup>st</sup> EUCHEM Conference on Stereochemistry: BÅ¼rgenstock (Switzerland), April 22â€“28, 2006. <i>Chimia</i> , 2006, 60, 330-334.	0.6	0
50	Design, synthesis and evaluation of tryptophan analogues as tool compounds to study IDO1 activity. <i>RSC Chemical Biology</i> , 2021, 2, 1651-1660.	4.1	0
51	Photomediated asymmetric synthesis of (-)-cuparene. <i>Chemical Communications</i> , 2003, , 1072-3.	4.1	0