

# James J Douglas

## List of Publications by Year in descending order

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47  
papers

3,728  
citations

159525

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67  
all docs

67  
docs citations

67  
times ranked

3024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalysis in the Life Science Industry. Chemical Reviews, 2022, 122, 2907-2980.	23.0	183
2	Exploration of a Nitromethane-Carbonylation Strategy during Route Design of an Atropisomeric KRAS <sup>G12C</sup> Inhibitor. Journal of Organic Chemistry, 2022, 87, 2075-2086.	1.7	7
3	A Desaturative Approach for Aromatic Aldehyde Synthesis via Synergistic Enamine, Photoredox and Cobalt Triple Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
4	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2022, 26, 1019-1028.	1.3	0
5	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2022, 26, 1547-1557.	1.3	0
6	Development and Proof of Concept for a Large-Scale Photoredox Additive-Free Minisci Reaction. Organic Process Research and Development, 2021, 25, 57-67.	1.3	36
7	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2021, 25, 691-702.	1.3	2
8	Copper-catalysed amination of alkyl iodides enabled by halogen-atom transfer. Nature Catalysis, 2021, 4, 623-630.	16.1	79
9	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2021, 25, 2646-2657.	1.3	0
10	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2020, 24, 1351-1363.	1.3	0
11	A photochemical dehydrogenative strategy for aniline synthesis. Nature, 2020, 584, 75-81.	13.7	124
12	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2020, 24, 2789-2801.	1.3	1
13	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2020, 24, 885-896.	1.3	0
14	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2020, 24, 115-124.	1.3	0
15	A display of sensitivity. Nature Chemistry, 2019, 11, 683-684.	6.6	13
16	Photoinduced decarboxylative azidation of cyclic amino acids. Organic and Biomolecular Chemistry, 2019, 17, 1839-1842.	1.5	33
17	A dual photoredox-nickel strategy for remote functionalization <i>via</i> iminyl radicals: radical ring-opening-arylation, -vinylation and -alkylation cascades. Chemical Science, 2019, 10, 7728-7733.	3.7	70
18	Some Items of Interest to Process R&D Chemists and Engineers. Organic Process Research and Development, 2019, 23, 1107-1117.	1.3	0

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19	Practical and regioselective amination of arenes using alkyl amines. <i>Nature Chemistry</i> , 2019, 11, 426-433.	6.6	181
20	Some Items of Interest to Process R&D Chemists and Engineers. <i>Organic Process Research and Development</i> , 2019, 23, 2583-2591.	1.3	0
21	Photoinduced Remote Functionalisations by Iminyl Radical Promoted C-C and C-H Bond Cleavage Cascades. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 744-748.	7.2	319
22	Photoinduced Remote Functionalisations by Iminyl Radical Promoted C-C and C-H Bond Cleavage Cascades. <i>Angewandte Chemie</i> , 2018, 130, 752-756.	1.6	87
23	Hydroxylamine Derivatives as Nitrogen-Radical Precursors in Visible-Light Photochemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 12154-12163.	1.7	219
24	Photoinduced Remote Functionalization of Amides and Amines Using Electrophilic Nitrogen Radicals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12945-12949.	7.2	207
25	Photoinduced Remote Functionalization of Amides and Amines Using Electrophilic Nitrogen Radicals. <i>Angewandte Chemie</i> , 2018, 130, 13127-13131.	1.6	60
26	Visible-Light-Mediated <i>exo</i> - <i>endo</i> Cyclizations of Amidyl Radicals. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2108-2111.	1.2	49
27	Enantioselective NHC-catalysed redox [4+2]-hetero-Diels-Alder reactions using $\alpha$ -aryloxyaldehydes and unsaturated ketoesters. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 355-366.	1.8	16
28	Visible-Light-Mediated Reactions of Electrophilic Radicals with Vinyl and Allyl Trifluoroborates. <i>ACS Catalysis</i> , 2017, 7, 4126-4130.	5.5	52
29	Photochemical Perfluoroalkylation with Pyridine N -Oxides: Mechanistic Insights and Performance on a Kilogram Scale. <i>CheM</i> , 2016, 1, 456-472.	5.8	221
30	Visible-light-mediated generation of nitrile oxides for the photoredox synthesis of isoxazolines and isoxazoles. <i>Chemical Communications</i> , 2016, 52, 12302-12305.	2.2	40
31	Visible Light Photocatalysis: Applications and New Disconnections in the Synthesis of Pharmaceutical Agents. <i>Organic Process Research and Development</i> , 2016, 20, 1134-1147.	1.3	293
32	Preparative Scale Demonstration and Mechanistic Investigation of a Visible Light-Mediated Radical Smiles Rearrangement. <i>Organic Process Research and Development</i> , 2016, 20, 1148-1155.	1.3	29
33	A Visible-Light-Mediated Radical Smiles Rearrangement and its Application to the Synthesis of a Difluoro-Substituted Spirocyclic ORL-1 Antagonist. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14898-14902.	7.2	152
34	A Visible-Light-Mediated Radical Smiles Rearrangement and its Application to the Synthesis of a Difluoro-Substituted Spirocyclic ORL-1 Antagonist. <i>Angewandte Chemie</i> , 2015, 127, 15111-15115.	1.6	32
35	Stereo- and Chemodivergent NHC-Promoted Functionalisation of Arylalkylketenes with Chloral. <i>Chemistry - A European Journal</i> , 2015, 21, 16354-16358.	1.7	24
36	A scalable and operationally simple radical trifluoromethylation. <i>Nature Communications</i> , 2015, 6, 7919.	5.8	316

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37	Ligand functionalization as a deactivation pathway in a fac-Ir(ppy) <sub>3</sub> -mediated radical addition. <i>Chemical Science</i> , 2015, 6, 537-541.	3.7	98
38	Photoredox Catalysis in a Complex Pharmaceutical Setting: Toward the Preparation of JAK2 Inhibitor LY2784544. <i>Journal of Organic Chemistry</i> , 2014, 79, 11631-11643.	1.7	78
39	Î±-Ketophosphonates as Ester Surrogates: Isothiourea-Catalyzed Asymmetric Diester and Lactone Synthesis. <i>Organic Letters</i> , 2014, 16, 2506-2509.	2.4	47
40	Isothiourea-Catalyzed Asymmetric Synthesis of Î²-Lactams and Î²-Amino Esters from Arylacetic Acid Derivatives and <i>N</i> -Sulfonylaldimines. <i>Journal of Organic Chemistry</i> , 2014, 79, 1626-1639.	1.7	77
41	Isothiourea-mediated asymmetric Michael-lactonisation of trifluoromethylenones: a synthetic and mechanistic study. <i>Chemical Science</i> , 2013, 4, 4146.	3.7	117
42	Stereospecific Asymmetric N-Heterocyclic Carbene (NHC)-Catalyzed Redox Synthesis of Trifluoromethyl Dihydropyranones and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2013, 78, 9243-9257.	1.7	64
43	NHC-Promoted Asymmetric Î²-Lactone Formation from Arylalkylketenes and Electron-Deficient Benzaldehydes or Pyridinecarboxaldehydes. <i>Journal of Organic Chemistry</i> , 2013, 78, 3925-3938.	1.7	66
44	NHCs in Asymmetric Organocatalysis: Recent Advances in Azolium Enolate Generation and Reactivity. <i>Synthesis</i> , 2012, 44, 2295-2309.	1.2	235
45	NHC-Mediated Chlorination of Unsymmetrical Ketenes: Catalysis and Asymmetry. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5863-5869.	1.2	43
46	Chiral relay in NHC-mediated asymmetric Î²-lactam synthesis I; substituent effects in NHCs derived from (1 <i>R</i> ,2 <i>R</i> )-cyclohexane-1,2-diamine. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 582-600.	1.8	41
47	A Desaturative Approach for Aromatic Aldehyde Synthesis via Synergistic Enamine, Photoredox and Cobalt Triple Catalysis. <i>Angewandte Chemie</i> , 0, , .	1.6	1