James C Anderson

List of Publications by Year
in descending order

71 papers	2,340 citations	257450 24 h-index	233421 45 g-index
80 all docs	80 docs citations	80 times ranked	2254 citing authors

#	Article	IF	Citations
1	Asymmetric synthesis of piperidines using the nitro-Mannich reactionâ˜†. Tetrahedron, 2021, 78, 131821.	1.9	1
2	Applications of bioluminescence in biotechnology and beyond. Chemical Society Reviews, 2021, 50, 5668-5705.	38.1	134
3	Shining light on the electronic structure and relaxation dynamics of the isolated oxyluciferin anion. Physical Chemistry Chemical Physics, 2020, 22, 19022-19032.	2.8	5
4	Investigation of the [1,5]-hydride shift as a route to nitro-Mannich cyclisations. Tetrahedron, 2019, 75, 130663.	1.9	4
5	A Divergent Synthetic Route to the Vallesamidine and Schizozygine Alkaloids: Total Synthesis of (+)â€Vallesamidine and (+)â€14,15â€Dehydrostrempeliopine. Angewandte Chemie, 2019, 131, 18208-18213.	2.0	3
6	A Divergent Synthetic Route to the Vallesamidine and Schizozygine Alkaloids: Total Synthesis of (+)â€Vallesamidine and (+)â€14,15â€Dehydrostrempeliopine. Angewandte Chemie - International Edition, 2019, 58, 18040-18045.	13.8	28
7	Novel monomers in radical ring-opening polymerisation for biodegradable and pH responsive nanoparticles. Polymer Chemistry, 2019, 10, 5285-5288.	3.9	22
8	Synthesis and bioluminescence of electronically modified and rotationally restricted colour-shifting infraluciferin analogues. Tetrahedron, 2019, 75, 347-356.	1.9	10
9	Near-infrared dual bioluminescence imaging in mouse models of cancer using infraluciferin. ELife, 2019, 8, .	6.0	47
10	Revisiting monomer synthesis and radical ring opening polymerization of dimethylated MDO towards biodegradable nanoparticles for enzymes. European Polymer Journal, 2018, 101, 113-119.	5.4	22
11	Î”Flucs: Brighter Photinus pyralis firefly luciferases identified by surveying consecutive single amino acid deletion mutations in a thermostable variant. Biotechnology and Bioengineering, 2018, 115, 50-59.	3.3	6
12	Role of Photoisomerization on the Photodetachment of the Photoactive Yellow Protein Chromophore. Journal of Physical Chemistry A, 2018, 122, 8222-8228.	2.5	13
13	Radical cyclisation studies of Î²-nitroamines from the nitro-Mannich reaction. Tetrahedron, 2018, 74, 5458-5474.	1.9	5
14	Base-Controlled Diastereoselective Synthesis of Either anti- or syn-Î²-Aminonitriles. Organic Letters, 2017, 19, 1918-1921.	4.6	6
15	Convergent synthesis and optical properties of near-infrared emitting bioluminescent infra-luciferins. RSC Advances, 2017, 7, 3975-3982.	3.6	23
16	Photoelectron spectroscopy of isolated luciferin and infraluciferin anions in vacuo: competing photodetachment, photofragmentation and internal conversion. Physical Chemistry Chemical Physics, 2017, 19, 22711-22720.	2.8	14
17	Electronic structure and dynamics of torsion-locked photoactive yellow protein chromophores. Physical Chemistry Chemical Physics, 2017, 19, 31572-31580.	2.8	12
18	Reductive conjugate addition nitro-Mannich route for the stereoselective synthesis of 1,2,3,4-tetrahydroquinoxalines. Organic and Biomolecular Chemistry, 2016, 14, 8270-8277.	2.8	9

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19	Stereoselective Synthesis of Densely Substituted Tetrahydroquinolines by a Conjugate Addition Nitro-Mannich Reaction with Carbon Nucleophiles. Synlett, 2015, 27, 41-44.	1.8	8
20	Stereoselective synthesis of 1,2-diamine containing indolines by a conjugate addition nitro-mannich reaction. Organic and Biomolecular Chemistry, 2015, 13, 170-177.	2.8	9
21	Asymmetric Intramolecular Conjugate Addition Nitro-Mannich Route to cis-2-Aryl-3-nitrotetrahydroquinolines. Organic Letters, 2015, 17, 4090-4093.	4.6	22
22	Staphylococcal Phenotypes Induced by Naturally Occurring and Synthetic Membrane-Interactive Polyphenolic Î²-Lactam Resistance Modifiers. PLoS ONE, 2014, 9, e93830.	2.5	23
23	Diastereoselective synthesis of Î²-aminosulfones from the 1,2-addition to N-(para-methoxyphenyl) imines. Tetrahedron Letters, 2014, 55, 7206-7208.	1.4	3
24	Improved synthesis of structural analogues of (â^')-epicatechin gallate for modulation of staphylococcal Î²-lactam resistance. Tetrahedron, 2014, 70, 3485-3490.	1.9	11
25	Conjugate addition nitro-Mannich reaction of carbon and heteroatom nucleophiles to nitroalkenes. Tetrahedron, 2014, 70, 9337-9351.	1.9	27
26	A Dualâ€Color Farâ€Red to Nearâ€Infrared Firefly Luciferin Analogue Designed for Multiparametric Bioluminescence Imaging. Angewandte Chemie - International Edition, 2014, 53, 13059-13063.	13.8	113
27	Nitro-Mannich Reaction. Chemical Reviews, 2013, 113, 2887-2939.	47.7	305
28	An enantioselective tandem reduction/nitro-Mannich reaction of nitroalkenes using a simple thiourea organocatalyst. Chemical Science, 2013, 4, 2897.	7.4	28
29	Synthesis of the reported structure of piperazirum using a nitro-Mannich reaction as the key stereochemical determining step. Beilstein Journal of Organic Chemistry, 2013, 9, 1737-1744.	2.2	11
30	Synthesis of ureas from titanium imido complexes using CO₂as a C-1 reagent at ambient temperature and pressure. Organic and Biomolecular Chemistry, 2012, 10, 1334-1338.	2.8	21
31	An intramolecular nitro-Mannich route to functionalised tetrahydroquinolines. Tetrahedron Letters, 2012, 53, 5707-5710.	1.4	17
32	Diastereoselective Reductive Nitro-Mannich Reactions. Journal of Organic Chemistry, 2012, 77, 4711-4724.	3.2	20
33	Reductive Nitro-Mannich Route for the Synthesis of 1,2-Diamine Containing Indolines and Tetrahydroquinolines. Journal of Organic Chemistry, 2012, 77, 6703-6727.	3.2	32
34	Stereoselective Synthesis of Densely Functionalized Pyrrolidin-2-ones by a Conjugate Addition/Nitro-Mannich/Lactamization Reaction. Journal of Organic Chemistry, 2012, 77, 6186-6198.	3.2	45
35	Enantioselective Conjugate Addition Nitro-Mannich Reactions: Solvent Controlled Synthesis of Acyclicanti- andsyn-Î²-Nitroamines with Three Contiguous Stereocenters. Journal of Organic Chemistry, 2011, 76, 1961-1971.	3.2	48
36	Anti-staphylococcal activity and Î²-lactam resistance attenuating capacity of structural analogues of (â^')-epicatechin gallate. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6996-7000.	2.2	27

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37	Diastereoselective synthesis of substituted prolines via 5-endo-trig cyclisations of aza-[2,3]-Wittig sigmatropic rearrangement products. Tetrahedron, 2010, 66, 6300-6308.	1.9	17
38	The efficient synthesis of carbodiimides using a titanium imido complex. Tetrahedron, 2010, 66, 9182-9186.	1.9	17
39	An investigation into oxo analogues of molybdenum olefin metathesis complexes as epoxidation catalysts for alkenes. Tetrahedron Letters, 2009, 50, 5344-5346.	1.4	10
40	A New Oxidative Addition of Ruthenium(0) into an Aryl Halide Bond and Subsequent Intermolecular Câ^'H Insertion. Organometallics, 2009, 28, 5289-5292.	2.3	15
41	A novel tridentate coordination mode for the carbonatonickel system exhibited in an unusual hexanuclear nickel(ii) Î¼3-carbonato-bridged complex. Dalton Transactions, 2009, , 9153.	3.3	15
42	Nucleophilic reactivity of a d0 molybdenum oxo moiety. Dalton Transactions, 2009, , 1201.	3.3	9
43	Enantioselective functionalisation of the C-2â€² position of 1,2,3,4,5-pentamethylazaferroceneviasparteine mediated lithiation: potential new ligands for asymmetric catalysis. Organic and Biomolecular Chemistry, 2008, 6, 330-339.	2.8	16
44	A General One-Step Synthesis of Î²-Nitronitriles. Organic Letters, 2008, 10, 4141-4143.	4.6	42
45	Regiochemical switching of Mitsunobu cyclisation mode of vicinal diamines with pendant hydroxyl group. Organic and Biomolecular Chemistry, 2007, 5, 2413.	2.8	24
46	A Series of [3 + 2] Cycloaddition Products from the Reaction of Rhenium Oxo Complexes with Diphenyl Ketene. Inorganic Chemistry, 2007, 46, 2797-2804.	4.0	18
47	Molybdenum Oxoâ^'Imido Aryloxide Complexes:â€‰ Oxo Analogues of Olefin Metathesis Catalysts. Inorganic Chemistry, 2006, 45, 4556-4561.	4.0	17
48	Aluminum Amalgam for the Reduction of Sensitive Î²-Nitroamines to 1,2-Diamines. Synthesis, 2006, 2006, 3309-3315.	2.3	21
49	Asymmetric total synthesis of B-ring modified (â^')-epicatechin gallate analogues and their modulation of Î²-lactam resistance in Staphylococcus aureus. Tetrahedron, 2005, 61, 7703-7711.	1.9	47
50	Synthesis and antibacterial activity of hydrolytically stable (â^')-epicatechin gallate analogues for the modulation of Î²-lactam resistance in Staphylococcus aureus. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2633-2635.	2.2	33
51	Asymmetric aza-[2,3]-Wittig sigmatropic rearrangements: chiral auxiliary control and formal asymmetric synthesis of (2S, 3R, 4R)-4-hydroxy-3-methylproline and (â€“)-kainic acid. Organic and Biomolecular Chemistry, 2005, 3, 2741.	2.8	31
52	A Biomimetic Strategy for the Synthesis of the Tricyclic Dibenzofuran-1,4-dione Core of Popolohuanone E. Organic Letters, 2005, 7, 123-125.	4.6	23
53	Scope and Limitations of the Nitro-Mannich Reaction for the Stereoselective Synthesis of 1,2-Diamines. Journal of Organic Chemistry, 2005, 70, 549-555.	3.2	61
54	Chirality transfer in the aza-[2,3]-Wittig sigmatropic rearrangement. Organic and Biomolecular Chemistry, 2005, 3, 3734.	2.8	17

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55	An Asymmetric Nitro-Mannich Reaction Applicable to Alkyl, Aryl, and Heterocyclic Imines. Journal of Organic Chemistry, 2005, 70, 5665-5670.	3.2	80
56	Vinyldimethylphenylsilanes as Safety Catch Silanols in Fluoride-Free Palladium-Catalyzed Cross-Coupling Reactions. Journal of Organic Chemistry, 2004, 69, 8971-8974.	3.2	65
57	Modulation of Î²-lactam resistance in Staphylococcus aureus by catechins and gallates. International Journal of Antimicrobial Agents, 2004, 23, 462-467.	2.5	205
58	Investigation of the asymmetric ionic Dielsâ€“Alder reaction for the synthesis of cis-decalins. Organic and Biomolecular Chemistry, 2003, 1, 2877-2885.	2.8	19
59	Total Synthesis of (Â±)-Kainic Acid with an Aza-[2,3]-Wittig Sigmatropic Rearrangement as the Key Stereochemical Determining Step. Journal of Organic Chemistry, 2003, 68, 6160-6163.	3.2	26
60	Synthesis of planar chiral ferrocenyl 1,3-diamines and 1,3-amino ethers. Organic and Biomolecular Chemistry, 2003, 1, 3586.	2.8	18
61	Synthesis of Î±,Î±-disubstituted unnatural amino acid derivatives using the aza-[2,3]-Wittig sigmatropic rearrangement. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2871-2879.	1.3	24
62	The direct use of phenyldimethylsilanes in silicon assisted palladium catalysed cross couplingElectronic supplementary information (ESI) available: further experimental details. See http://www.rsc.org/suppdata/cc/b2/b205765d/. Chemical Communications, 2002, , 2018-2019.	4.1	42
63	Stereocontrolled synthesis of (2Sâ€Š*,3R*,4R*)-4-hydroxy-3-methylproline using a silicon assisted aza-[2,3]-Wittig sigmatropic rearrangement. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 267-269.	1.3	13
64	EFFICIENT DIASTEREOSELECTIVE SYNTHESIS OF EITHER FORM OFmeso-2,6-DIMETHYLCYCLO-HEXANE CARBOXALDEHYDE. Synthetic Communications, 2001, 31, 939-946.	2.1	3
65	Strategies for protodesilylation of C-2 trialkylsilyl terminal alkenes. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3025-3027.	1.3	13
66	The Aza-[2,3]-Wittig Sigmatropic Rearrangement of Acyclic Amines:Â Scope and Limitations of Silicon Assistance. Journal of Organic Chemistry, 2000, 65, 9152-9156.	3.2	38
67	The Nitro-Mannich Reaction and Its Application to the Stereoselective Synthesis of 1,2-Diaminesâ€. Journal of Organic Chemistry, 1998, 63, 9932-9934.	3.2	111
68	The aza-[2,3]-Wittig sigmatropic rearrangement of Z(C)-alkenes. Tetrahedron Letters, 1998, 39, 2649-2650.	1.4	14
69	Diastereoselective acyclic aza-[2,3] Wittig sigmatropic rearrangements. Journal of the Chemical Society Perkin Transactions 1, 1997, , 1517-1522.	0.9	19
70	The Silicon-Assisted Aza-[2,3]-Wittig Sigmatropic Rearrangementâ€. Journal of Organic Chemistry, 1996, 61, 4820-4823.	3.2	43
71	Aza-[2,3]-Wittig sigmatropic rearrangement of crotyl amines. Journal of the Chemical Society Chemical Communications, 1995, , 1835.	2.0	25