

Gerard P Mcglacken

List of Publications by Year in descending order

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201674
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#	ARTICLE	IF	CITATIONS
1	Quinoline Ligands Improve the Classic Direct C-H Functionalisation/Intramolecular Cyclisation of Diaryl Ethers to Dibenzofurans. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 495-498.	2.4	6
2	Mechanism and Origins of Stereoselectivity of the Aldol-Tishchenko Reaction of Sulfinimines. <i>Journal of Organic Chemistry</i> , 2021, 86, 4296-4303.	3.2	7
3	Stereoselective Installation of Five Contiguous Stereogenic Centers in a Double Aldol-Tishchenko Cascade and Evaluation of the Key Transition State through DFT Calculation. <i>Organic Letters</i> , 2021, 23, 6372-6376.	4.6	3
4	Pyrones Identified as LuxR Signal Molecules in <i>Photorhabdus</i> and Their Synthetic Analogues Can Alter Multicellular Phenotypic Behavior of <i>Bacillus atropeus</i> . <i>ACS Omega</i> , 2021, 6, 33141-33148.	3.5	5
5	Synthesis of a Diaryliodonium Salt and Its Use in the Direct Arylation of Indole: A Two-Step Experiment for the Organic Teaching Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 200-206.	2.3	4
6	Detection of <i>Pseudomonas aeruginosa</i> quorum sensing molecules at an electrified liquid liquid micro-interface through facilitated proton transfer. <i>Analyst</i> , 2020, 145, 7000-7008.	3.5	12
7	One-Pot, Tandem Wittig Hydrogenation: Formal C(sp ³)-C(sp ³) Bond Formation with Extensive Scope. <i>Organic Letters</i> , 2020, 22, 5223-5228.	4.6	4
8	One-Pot Cross-Coupling/C-H Functionalization Reactions: Quinoline as a Substrate and Ligand through N-Pd Interaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 2585-2596.	3.2	17
9	Organolithium Bases in Flow Chemistry: A Review. <i>Organic Process Research and Development</i> , 2020, 24, 1814-1838.	2.7	60
10	A structure-function analysis of interspecies antagonism by the 2-heptyl-4-alkyl-quinolone signal molecule from <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2020, 166, 169-179.	1.8	9
11	Electrochemical Detection of <i>Pseudomonas aeruginosa</i> Quorum Sensing Molecules at a Liquid Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24643-24650.	3.1	11
12	The emergence of Pd-mediated reversible oxidative addition in cross coupling, carbohalogenation and carbonylation reactions. <i>Nature Catalysis</i> , 2019, 2, 843-851.	34.4	67
13	Mechanistic studies on the palladium-catalyzed cross-dehydrogenative coupling of 4-phenoxy-2-coumarins: experimental and computational insights. <i>Dalton Transactions</i> , 2018, 47, 6049-6053.	3.3	7
14	Recent advances in manganese-catalysed C-H activation: scope and mechanism. <i>Catalysis Science and Technology</i> , 2018, 8, 1251-1266.	4.1	72
15	The expanding horizon of alkyl quinolone signalling and communication in polycellular interactomes. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	20
16	Analogues of <i>Pseudomonas aeruginosa</i> signalling molecules to tackle infections. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 169-179.	2.8	34
17	Industry-Academia Partnership: The Synthesis and Solid-State Pharmaceutical Centre (SSPC) as a Collaborative Approach from Molecule to Medicine. <i>Chemistry - A European Journal</i> , 2018, 24, 499-503.	3.3	1
18	Rapid Electrochemical Detection of <i>Pseudomonas aeruginosa</i> Signaling Molecules by Boron-Doped Diamond Electrode. <i>Methods in Molecular Biology</i> , 2018, 1673, 107-116.	0.9	9

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19	European Research in Focus: C-H Activation in Organic Synthesis (CHAOS). European Journal of Organic Chemistry, 2018, 2018, 6032-6033.	2.4	0
20	Synthesis of Benzofuroquinolines via Phosphine-Free Direct Arylation of 4-Phenoxyquinolines in Air. European Journal of Organic Chemistry, 2018, 2018, 6140-6149.	2.4	15
21	Transition Metal Mediated C-H Activation of 2-Pyrones, 2-Pyridones, 2-Coumarins and 2-Quinolones. European Journal of Organic Chemistry, 2018, 2018, 6068-6082.	2.4	57
22	Quinolones Modulate Ghrelin Receptor Signaling: Potential for a Novel Small Molecule Scaffold in the Treatment of Cachexia. International Journal of Molecular Sciences, 2018, 19, 1605.	4.1	10
23	Electrochemical Sensing of Biotin Using Nafion-Modified Boron-Doped Diamond Electrode. ACS Omega, 2018, 3, 7776-7782.	3.5	27
24	Simultaneous chemosensing of tryptophan and the bacterial signal molecule indole by boron doped diamond electrode. Electrochimica Acta, 2018, 282, 845-852.	5.2	6
25	Frontispiece: Methyl fluorosulfonyldifluoroacetate (MFSDA): An Underutilised Reagent for Trifluoromethylation. Chemistry - A European Journal, 2017, 23, .	3.3	1
26	Direkte asymmetrische Alkylierung von Ketonen: noch immer ein unerreichtes Ziel. Angewandte Chemie, 2017, 129, 9406-9418.	2.0	25
27	Direct Asymmetric Alkylation of Ketones: Still Unconquered. Angewandte Chemie - International Edition, 2017, 56, 9278-9290.	13.8	81
28	Liquid-Phase Monolayer Doping of InGaAs with Si-, S-, and Sn-Containing Organic Molecular Layers. ACS Omega, 2017, 2, 1750-1759.	3.5	9
29	The requirements at the C-3 position of alkylquinolones for signalling in Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2017, 15, 306-310.	2.8	19
30	Intramolecular Direct Arylation of 1,3-Diketone-Derived Enol Ethers in a Synthesis of Tricyclic Oxoisochromene Derivatives. Advanced Synthesis and Catalysis, 2017, 359, 1529-1534.	4.3	9
31	Direct and Rapid Electrochemical Detection of <i>Pseudomonas aeruginosa</i> Quorum Signaling Molecules in Bacterial Cultures and Cystic Fibrosis Sputum Samples through Cationic Surfactant-Assisted Membrane Disruption. ChemElectroChem, 2017, 4, 533-541.	3.4	19
32	Regioselective Chlorination and Suzuki-Miyaura Cross-Coupling of 4-Alkoxycoumarins, 4-Alkoxy-2-Pyrones, and Related Heterocycles. European Journal of Organic Chemistry, 2017, 2017, 4827-4835.	2.4	10
33	Access to Some C5-Cyclised 2-Pyrones and 2-Pyridones via Direct Arylation; Retention of Chloride as a Synthetic Handle. European Journal of Organic Chemistry, 2017, 2017, 5119-5124.	2.4	9
34	Methyl fluorosulfonyldifluoroacetate (MFSDA): An Underutilised Reagent for Trifluoromethylation. Chemistry - A European Journal, 2017, 23, 1219-1230.	3.3	47
35	Harnessing Bacterial Signals for Suppression of Biofilm Formation in the Nosocomial Fungal Pathogen <i>Aspergillus fumigatus</i> . Frontiers in Microbiology, 2016, 7, 2074.	3.5	23
36	A Novel Non-Peptidic Agonist of the Ghrelin Receptor with Orexigenic Activity In vivo. Scientific Reports, 2016, 6, 36456.	3.3	10

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37	Palladium(II) oxide impregnated on magnetite as a catalyst for the synthesis of 4-aryl coumarins via a Heck-arylation/cyclization process. RSC Advances, 2016, 6, 36932-36941.	3.6	12
38	Cyclization of 4-Phenoxy-2-coumarins and 2-Pyrones via a Double C-H Activation. Organic Letters, 2016, 18, 2540-2543.	4.6	50
39	Synthesis and electrochemical detection of a thiazolyl-indole natural product isolated from the nosocomial pathogen <i>Pseudomonas aeruginosa</i> . Analytical and Bioanalytical Chemistry, 2016, 408, 6361-6367.	3.7	13
40	Exploiting Interkingdom Interactions for Development of Small-Molecule Inhibitors of <i>Candida albicans</i> Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2016, 60, 5894-5905.	3.2	23
41	The search for an easily-prepared sparteine surrogate. Tetrahedron: Asymmetry, 2016, 27, 1160-1167.	1.8	6
42	Molecular Signature of <i>Pseudomonas aeruginosa</i> with Simultaneous Nanomolar Detection of Quorum Sensing Signaling Molecules at a Boron-Doped Diamond Electrode. Scientific Reports, 2016, 6, 30001.	3.3	55
43	Monolayer Doping of Si with Improved Oxidation Resistance. ACS Applied Materials & Interfaces, 2016, 8, 4101-4108.	8.0	28
44	Impregnated palladium on magnetite as catalyst for direct arylation of heterocycles. Tetrahedron, 2016, 72, 1043-1050.	1.9	33
45	Direct arylation and heterogeneous catalysis; ever the twain shall meet. Chemical Science, 2015, 6, 5338-5346.	7.4	75
46	Organo-arsenic Molecular Layers on Silicon for High-Density Doping. ACS Applied Materials & Interfaces, 2015, 7, 15514-15521.	8.0	38
47	Pd/Pivalic Acid Mediated Direct Arylation of 2-Pyrones and Related Heterocycles. European Journal of Organic Chemistry, 2015, 2015, 3540-3550.	2.4	27
48	Access to trifluoromethylated 4-alkoxy-2-pyrones, pyridones and quinolones. Tetrahedron, 2015, 71, 2906-2913.	1.9	24
49	A structure activity-relationship study of the bacterial signal molecule HHQ reveals swarming motility inhibition in <i>Bacillus atrophaeus</i> . Organic and Biomolecular Chemistry, 2015, 13, 5537-5541.	2.8	22
50	Asymmetric Aldol-Tishchenko Reaction of Sulfinimines. Organic Letters, 2015, 17, 5642-5645.	4.6	20
51	Intramolecular Direct Arylation of 3-Halo-2-pyrones and 2-Coumarins. Journal of Organic Chemistry, 2015, 80, 10904-10913.	3.2	35
52	Pd(0) nanoparticles (NPs) as catalysts in cross-coupling reactions and the homogeneous vs. heterogeneous debate. Organometallic Chemistry, 2015, , 33-53.	0.6	12
53	The asymmetric alkylation of dimethylhydrazones; intermolecular chirality transfer using sparteine as chiral ligand. Chemical Communications, 2014, 50, 14817-14819.	4.1	15
54	Pd-catalysed intramolecular regioselective arylation of 2-pyrones, pyridones, coumarins and quinolones by C-H bond functionalization. Tetrahedron, 2014, 70, 7120-7127.	1.9	29

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55	The Origin of Shape Sensitivity in Palladium-Catalyzed Suzuki-Miyaura Cross Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4142-4145.	13.8	116
56	Investigation of a novel diamine based chiral auxiliary in the asymmetric alkylation of ketones. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 356-361.	1.8	7
57	Stability, Oxidation, and Shape Evolution of PVP-Capped Pd Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6522-6530.	3.1	57
58	One step preparation and electrochemical analysis of IQS, a cell-cell communication signal in the nosocomial pathogen <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4703-4707.	2.2	15
59	Enhanced Catalytic Activity of High-Index Faceted Palladium Nanoparticles in Suzuki-Miyaura Coupling Due to Efficient Leaching Mechanism. <i>ACS Catalysis</i> , 2014, 4, 3105-3111.	11.2	83
60	Highly stable PEGylated gold nanoparticles in water: applications in biology and catalysis. <i>RSC Advances</i> , 2013, 3, 21016.	3.6	49
61	Semagacestat, a β -secretase inhibitor, activates the growth hormone secretagogue (GHS-R1a) receptor. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 528-538.	2.4	13
62	<i>Pseudomonas aeruginosa</i> Alkyl Quinolones Repress Hypoxia-Inducible Factor 1 (HIF-1) Signaling through HIF-1 α Degradation. <i>Infection and Immunity</i> , 2012, 80, 3985-3992.	2.2	42
63	Structure-function analysis of the C-3 position in analogues of microbial behavioural modulators HHQ and PQS. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8903.	2.8	39
64	Analysis of pseudomonas quinolone signal and other bacterial signalling molecules using capillaries coated with highly charged polyelectrolyte monolayers and boron doped diamond electrode. <i>Journal of Chromatography A</i> , 2012, 1251, 169-175.	3.7	17
65	Detection of the <i>Pseudomonas</i> Quinolone Signal (PQS) by cyclic voltammetry and amperometry using a boron doped diamond electrode. <i>Chemical Communications</i> , 2011, 47, 10347.	4.1	34
66	The <i>Pseudomonas</i> quinolone signal (PQS), and its precursor HHQ, modulate interspecies and interkingdom behaviour. <i>FEMS Microbiology Ecology</i> , 2011, 77, 413-428.	2.7	134
67	Alkoxy-Arene Cleavage using Ni Catalysts. <i>ChemCatChem</i> , 2011, 3, 1260-1261.	3.7	22
68	Synthesis of 3-halo-analogues of HHQ, subsequent cross-coupling and first crystal structure of <i>Pseudomonas</i> quinolone signal (PQS). <i>Tetrahedron Letters</i> , 2010, 51, 5919-5921.	1.4	30
69	Palladium-Catalysed Cross-Coupling and Related Processes: Some Interesting Observations That Have Been Exploited in Synthetic Chemistry. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4011-4029.	2.4	107
70	Recent advances in aryl-aryl bond formation by direct arylation. <i>Chemical Society Reviews</i> , 2009, 38, 2447.	38.1	853
71	Formation of Carbanions Using Neutral Organic Molecules as Electron-Transfer Reagents: A Radical Concept. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1819-1823.	13.8	18
72	Chiral Mono- and Bis-annelated Cyclopentadienyl Ligands Derived from Tartaric Acid: Synthesis of [(η -5-Cyclopentadienyl)RuCl(cod)] and [(η -5-Cyclopentadienyl)(η -6-benzene)Ru]PF ₆ Derivatives. <i>Organometallics</i> , 2007, 26, 3722-3728.	2.3	12

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73	Exploiting Noninnocent (E,E)-Dibenzylideneacetone (dba) Effects in Palladium(0)-Mediated Cross-Coupling Reactions: Modulation of the Electronic Properties of dba Affects Catalyst Activity and Stability in Ligand and Ligand-Free Reaction Systems. Chemistry - A European Journal, 2006, 12, 8750-8761.	3.3	89
74	A highly enantioselective, moderately anti-selective aldol reaction using a novel hydrazone moiety as stereo director. Tetrahedron: Asymmetry, 2005, 16, 3615-3618.	1.8	7
75	2-Pyrone Natural Products and Mimetics: Isolation, Characterization and Biological Activity. ChemInform, 2005, 36, no.	0.0	0
76	2-Pyrone natural products and mimetics: isolation, characterisation and biological activity. Natural Product Reports, 2005, 22, 369.	10.3	304
77	Iridium-Catalyzed Borylation of 6-Fluoroquinolines: Access to 6-Fluoroquinolones. Journal of Organic Chemistry, 0, , .	3.2	4