Gerard P Mcglacken

List of Publications by Year
in descending order

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77 papers	3,316 citations	201385 27 h-index	149479 56 g-index
98 all docs	98 docs citations	98 times ranked	4280 citing authors

#	Article	IF	Citations
1	Quinoline Ligands Improve the Classic Direct Câ^'H Functionalisation/Intramolecular Cyclisation of Diaryl Ethers to Dibenzofurans. European Journal of Organic Chemistry, 2021, 2021, 495-498.	1.2	6
2	Mechanism and Origins of Stereoselectivity of the Aldol-Tishchenko Reaction of Sulfinimines. Journal of Organic Chemistry, 2021, 86, 4296-4303.	1.7	7
3	Stereoselective Installation of Five Contiguous Stereogenic Centers in a Double Aldolâ€"Tishchenko Cascade and Evaluation of the Key Transition State through DFT Calculation. Organic Letters, 2021, 23, 6372-6376.	2.4	3
4	Pyrones Identified as LuxR Signal Molecules in Photorhabdus and Their Synthetic Analogues Can Alter Multicellular Phenotypic Behavior of Bacillus atropheaus. ACS Omega, 2021, 6, 33141-33148.	1.6	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. Journal of Chemical Education, 2020, 97, 200-206.	1.1	4
6	Detection ofPseudomonas aeruginosaquorum sensing molecules at an electrified liquid|liquid micro-interface through facilitated proton transfer. Analyst, The, 2020, 145, 7000-7008.	1.7	12
7	One-Pot, Tandem Wittig Hydrogenation: Formal C(sp³)â€"C(sp³) Bond Formation with Extensive Scope. Organic Letters, 2020, 22, 5223-5228.	2.4	4
8	One-Pot Cross-Coupling/Câ€"H Functionalization Reactions: Quinoline as a Substrate and Ligand through Nâ€"Pd Interaction. Journal of Organic Chemistry, 2020, 85, 2585-2596.	1.7	17
9	Organolithium Bases in Flow Chemistry: A Review. Organic Process Research and Development, 2020, 24, 1814-1838.	1.3	60
10	A structure-function analysis of interspecies antagonism by the 2-heptyl-4-alkyl-quinolone signal molecule from Pseudomonas aeruginosa. Microbiology (United Kingdom), 2020, 166, 169-179.	0.7	9
11	Electrochemical Detection ofPseudomonas aeruginosaQuorum Sensing Molecules at a Liquid|Liquid Interface. Journal of Physical Chemistry C, 2019, 123, 24643-24650.	1.5	11
12	The emergence of Pd-mediated reversible oxidative addition in cross coupling, carbohalogenation and carbonylation reactions. Nature Catalysis, 2019, 2, 843-851.	16.1	67
13	Mechanistic studies on the palladium-catalyzed cross-dehydrogenative coupling of 4-phenoxy-2-coumarins: experimental and computational insights. Dalton Transactions, 2018, 47, 6049-6053.	1.6	7
14	Recent advances in manganese-catalysed Câ€"H activation: scope and mechanism. Catalysis Science and Technology, 2018, 8, 1251-1266.	2.1	72
15	The expanding horizon of alkyl quinolone signalling and communication in polycellular interactomes. FEMS Microbiology Letters, 2018, 365, .	0.7	20
16	Analogues ofPseudomonas aeruginosasignalling molecules to tackle infections. Organic and Biomolecular Chemistry, 2018, 16, 169-179.	1.5	34
17	Industryâ€"Academia Partnership: The Synthesis and Solidâ€"State Pharmaceutical Centre (SSPC) as a Collaborative Approach from Molecule to Medicine. Chemistry - A European Journal, 2018, 24, 499-503.	1.7	1
18	Rapid Electrochemical Detection of Pseudomonas aeruginosa Signaling Molecules by Boron-Doped Diamond Electrode. Methods in Molecular Biology, 2018, 1673, 107-116.	0.4	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.	1.2	0
20	Synthesis of Benzofuroquinolines via Phosphineâ€Free Direct Arylation of 4â€Phenoxyquinolines in Air. European Journal of Organic Chemistry, 2018, 2018, 6140-6149.	1.2	15
21	Transition Metal Mediated Câ€“H Activation of 2â€Pyrones, 2â€Pyridones, 2â€Coumarins and 2â€Quinolones. European Journal of Organic Chemistry, 2018, 2018, 6068-6082.	1.2	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.	1.8	10
23	Electrochemical Sensing of Biotin Using Nafion-Modified Boron-Doped Diamond Electrode. ACS Omega, 2018, 3, 7776-7782.	1.6	27
24	Simultaneous chemosensing of tryptophan and the bacterial signal molecule indole by boron doped diamond electrode. Electrochimica Acta, 2018, 282, 845-852.	2.6	6
25	Frontispiece: Methyl fluorosulfonyldifluoroacetate (MFSDA): An Underutilised Reagent for Trifluoromethylation. Chemistry - A European Journal, 2017, 23, .	1.7	1
26	Direkte asymmetrische Alkylierung von Ketonen: noch immer ein unerreichtes Ziel. Angewandte Chemie, 2017, 129, 9406-9418.	1.6	25
27	Direct Asymmetric Alkylation of Ketones: Still Unconquered. Angewandte Chemie - International Edition, 2017, 56, 9278-9290.	7.2	81
28	Liquid-Phase Monolayer Doping of InGaAs with Si-, S-, and Sn-Containing Organic Molecular Layers. ACS Omega, 2017, 2, 1750-1759.	1.6	9
29	The requirements at the C-3 position of alkylquinolones for signalling in Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2017, 15, 306-310.	1.5	19
30	Intramolecular Direct Arylation of 1,3â€Diketoneâ€Derived Enol Ethers in a Synthesis of Tricyclic Oxoisochromene Derivatives. Advanced Synthesis and Catalysis, 2017, 359, 1529-1534.	2.1	9
31	Direct and Rapid Electrochemical Detection of Pseudomonas aeruginosa Quorum Signaling Molecules in Bacterial Cultures and Cystic Fibrosis Sputum Samples through Cationic Surfactantâ€Assisted Membrane Disruption. ChemElectroChem, 2017, 4, 533-541.	1.7	19
32	Regioselective Chlorination and Suzukiâ€“Miyaura Crossâ€Coupling of 4â€Alkoxycoumarins, 4â€Alkoxyâ€2â€pyrones, and Related Heterocycles. European Journal of Organic Chemistry, 2017, 2017, 4827-4835.	1.2	10
33	Access to Some C5â€Cyclised 2â€Pyrones and 2â€Pyridones via Direct Arylation; Retention of Chloride as a Synthetic Handle. European Journal of Organic Chemistry, 2017, 2017, 5119-5124.	1.2	9
34	Methyl fluorosulfonyldifluoroacetate (MFSDA): An Underutilised Reagent for Trifluoromethylation. Chemistry - A European Journal, 2017, 23, 1219-1230.	1.7	47
35	Harnessing Bacterial Signals for Suppression of Biofilm Formation in the Nosocomial Fungal Pathogen Aspergillus fumigatus. Frontiers in Microbiology, 2016, 7, 2074.	1.5	23
36	A Novel Non-Peptidic Agonist of the Ghrelin Receptor with Orexigenic Activity In vivo. Scientific Reports, 2016, 6, 36456.	1.6	10

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37	Palladium(<scp>ii</scp>) oxide impregnated on magnetite as a catalyst for the synthesis of 4-arylcoumarins via a Heck-arylation/cyclization process. RSC Advances, 2016, 6, 36932-36941.	1.7	12
38	Cyclization of 4-Phenoxy-2-coumarins and 2-Pyrones via a Double Câ€“H Activation. Organic Letters, 2016, 18, 2540-2543.	2.4	50
39	Synthesis and electrochemical detection of a thiazolyl-indole natural product isolated from the nosocomial pathogen Pseudomonas aeruginosa. Analytical and Bioanalytical Chemistry, 2016, 408, 6361-6367.	1.9	13
40	Exploiting Interkingdom Interactions for Development of Small-Molecule Inhibitors of Candida albicans Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2016, 60, 5894-5905.	1.4	23
41	The search for an easily-prepared sparteine surrogate. Tetrahedron: Asymmetry, 2016, 27, 1160-1167.	1.8	6
42	Molecular Signature of Pseudomonas aeruginosa with Simultaneous Nanomolar Detection of Quorum Sensing Signaling Molecules at a Boron-Doped Diamond Electrode. Scientific Reports, 2016, 6, 30001.	1.6	55
43	Monolayer Doping of Si with Improved Oxidation Resistance. ACS Applied Materials & Interfaces, 2016, 8, 4101-4108.	4.0	28
44	Impregnated palladium on magnetite as catalyst for direct arylation of heterocycles. Tetrahedron, 2016, 72, 1043-1050.	1.0	33
45	Direct arylation and heterogeneous catalysis; ever the twain shall meet. Chemical Science, 2015, 6, 5338-5346.	3.7	75
46	Organo-arsenic Molecular Layers on Silicon for High-Density Doping. ACS Applied Materials & Interfaces, 2015, 7, 15514-15521.	4.0	38
47	Pd/Pivalic Acid Mediated Direct Arylation of 2â€Pyrones and Related Heterocycles. European Journal of Organic Chemistry, 2015, 2015, 3540-3550.	1.2	27
48	Access to trifluoromethylated 4-alkoxy-2-pyrones, pyridones andÂquinolones. Tetrahedron, 2015, 71, 2906-2913.	1.0	24
49	A structure activity-relationship study of the bacterial signal molecule HHQ reveals swarming motility inhibition in Bacillus atrophaeus. Organic and Biomolecular Chemistry, 2015, 13, 5537-5541.	1.5	22
50	Asymmetric Aldolâ€“Tishchenko Reaction of Sulfinimines. Organic Letters, 2015, 17, 5642-5645.	2.4	20
51	Intramolecular Direct Arylation of 3-Halo-2-pyrones and 2-Coumarins. Journal of Organic Chemistry, 2015, 80, 10904-10913.	1.7	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.	2.2	15
54	Pd-catalysed intramolecular regioselective arylation of 2-pyrones, pyridones, coumarins and quinolones by Câ€“H bond functionalization. Tetrahedron, 2014, 70, 7120-7127.	1.0	29

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55	The Origin of Shape Sensitivity in Palladiumâ€Catalyzed Suzukiâ€“Miyaura Cross Coupling Reactions. Angewandte Chemie - International Edition, 2014, 53, 4142-4145.	7.2	116
56	Investigation of a novel diamine based chiral auxiliary in the asymmetric alkylation of ketones. Tetrahedron: Asymmetry, 2014, 25, 356-361.	1.8	7
57	Stability, Oxidation, and Shape Evolution of PVP-Capped Pd Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 6522-6530.	1.5	57
58	One step preparation and electrochemical analysis of IQS, a cellâ€“cell communication signal in the nosocomial pathogen Pseudomonas aeruginosa. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4703-4707.	1.0	15
59	Enhanced Catalytic Activity of High-Index Faceted Palladium Nanoparticles in Suzukiâ€“Miyaura Coupling Due to Efficient Leaching Mechanism. ACS Catalysis, 2014, 4, 3105-3111.	5.5	83
60	Highly stable PEGylated gold nanoparticles in water: applications in biology and catalysis. RSC Advances, 2013, 3, 21016.	1.7	49
61	Semagacestat, a Î³-secretase inhibitor, activates the growth hormone secretagogue (GHS-R1a) receptor. Journal of Pharmacy and Pharmacology, 2013, 65, 528-538.	1.2	13
62	Pseudomonas aeruginosa Alkyl Quinolones Repress Hypoxia-Inducible Factor 1 (HIF-1) Signaling through HIF-1Î± Degradation. Infection and Immunity, 2012, 80, 3985-3992.	1.0	42
63	Structureâ€“function analysis of the C-3 position in analogues of microbial behavioural modulators HHQ and PQS. Organic and Biomolecular Chemistry, 2012, 10, 8903.	1.5	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. Journal of Chromatography A, 2012, 1251, 169-175.	1.8	17
65	Detection of the Pseudomonas Quinolone Signal (PQS) by cyclic voltammetry and amperometry using a boron doped diamond electrode. Chemical Communications, 2011, 47, 10347.	2.2	34
66	The Pseudomonas quinolone signal (PQS), and its precursor HHQ, modulate interspecies and interkingdom behaviour. FEMS Microbiology Ecology, 2011, 77, 413-428.	1.3	134
67	Alkoxyâ€“Arene Cleavage using Ni Catalysts. ChemCatChem, 2011, 3, 1260-1261.	1.8	22
68	Synthesis of 3-halo-analogues of HHQ, subsequent cross-coupling and first crystal structure of Pseudomonas quinolone signal (PQS). Tetrahedron Letters, 2010, 51, 5919-5921.	0.7	30
69	Palladiumâ€Catalysed Crossâ€Coupling and Related Processes: Some Interesting Observations That Have Been Exploited in Synthetic Chemistry. European Journal of Organic Chemistry, 2009, 2009, 4011-4029.	1.2	107
70	Recent advances in arylâ€“aryl bond formation by direct arylation. Chemical Society Reviews, 2009, 38, 2447.	18.7	853
71	Formation of Carbanions Using Neutral Organic Molecules as Electronâ€Transfer Reagents: A Radical Concept. Angewandte Chemie - International Edition, 2008, 47, 1819-1823.	7.2	18
72	Chiral Mono- and Bis-annelated Cyclopentadienyl Ligands Derived from Tartaric Acid:â€‰ Synthesis of [(Î·5-Cyclopentadienyl)RuCl(cod)] and [(Î·5-Cyclopentadienyl)(Î·6-benzene)Ru]PF6 Derivatives. Organometallics, 2007, 26, 3722-3728.	1.1	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.	1.7	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.	0.1	0
76	2-Pyrone natural products and mimetics: isolation, characterisation and biological activity. Natural Product Reports, 2005, 22, 369.	5.2	304
77	Iridium-Catalyzed Borylation of 6-Fluoroquinolines: Access to 6-Fluoroquinolones. Journal of Organic Chemistry, 0, , .	1.7	4