Paul J Gates

List of Publications by Year
in descending order

95 papers	2,441 citations	186209 28 h-index	233338 45 g-index
106 all docs	106 docs citations	106 times ranked	2975 citing authors

#	Article	IF	Citations
1	Chemometric approaches to resolving base oil mixtures. Rapid Communications in Mass Spectrometry, 2022, 36, e9214.	0.7	1
2	BN-Substitution in Dithienylpyrenes Prevents Excimer Formation in Solution and in the Solid State. Journal of Physical Chemistry C, 2022, 126, 4563-4576.	1.5	5
3	Mechanochemical Solventâ€Free Catalytic Câ^'H Methylation. Angewandte Chemie - International Edition, 2021, 60, 6660-6666.	7.2	78
4	Mechanochemical Solventâ€Free Catalytic Câ^'H Methylation. Angewandte Chemie, 2021, 133, 6734-6740.	1.6	19
5	A study of the application of graphite MALDI to the analysis of short-chain polyethylene glycols. Polymer Chemistry, 2021, 12, 439-448.	1.9	9
6	A study of the application of graphite MALDI to the analysis of lanthanides and deconvolution of the isobaric species observed. Analyst, The, 2021, 146, 5988-5994.	1.7	1
7	Atmospheric pressure chemical ionisation mass spectrometry for the routine analysis of low molecular weight analytes. European Journal of Mass Spectrometry, 2021, 27, 13-28.	0.5	3
8	Further Biochemical Profiling of Hypholoma fasciculare Metabolome Reveals Its Chemogenetic Diversity. Frontiers in Bioengineering and Biotechnology, 2021, 9, 567384.	2.0	1
9	Identification of Î²-carotene oxidation products produced by bleaching clay using UPLC-ESI-MS/MS. Food Chemistry, 2021, 353, 129455.	4.2	10
10	Catalytic and highly regenerable aminic organoselenium antioxidants with cytoprotective effects. Organic and Biomolecular Chemistry, 2021, 19, 2015-2022.	1.5	14
11	An LC-MS/MS analysis of opiate residues on Thomas Chatterton's (1752â€“1770) memorandum book â€“ Did he die from a laudanum overdose?. Analyst, The, 2020, 145, 8104-8110.	1.7	0
12	Flavone as a novel matrix for the MALDI analysis of lanthanide and transition metal salts. Journal of Mass Spectrometry, 2020, 55, e4609.	0.7	2
13	A computational and experimental study of the fragmentation of <scp>l</scp>-leucine, <scp>l</scp>-isoleucine and <scp>l</scp>-allo-isoleucine under collision-induced dissociation tandem mass spectrometry. Analyst, The, 2020, 145, 6632-6638.	1.7	6
14	Mycobacterium alvei (Ï‰-1)-methoxy mycolic acids: Absolute stereochemistry and synthesis. Chemistry and Physics of Lipids, 2020, 233, 104977.	1.5	2
15	Characteristic product ions of acetylene carotenoids by electrospray and nanospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8811.	0.7	2
16	Mild and Efficient Synthesis of Diverse Organoâ€Au I â€Ł Complexes in Green Solvents. ChemSusChem, 2020, 13, 2032-2037.	3.6	8
17	Mechanochemical synthesis of (hetero)aryl Au(<scp>i</scp>) complexes. Green Chemistry, 2020, 22, 5648-5655.	4.6	31
18	The synthesis of mycobacterial dimycoloyl diarabinoglycerol based on defined synthetic mycolic acids. Chemistry and Physics of Lipids, 2019, 221, 207-218.	1.5	4

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19	Arynes and Their Precursors from Arylboronic Acids via Catalytic Câ€“H Silylation. Journal of Organic Chemistry, 2019, 84, 5863-5871.	1.7	17
20	Conjugated oligomers with alternating heterocycles from a single monomer: synthesis and demonstration of electroluminescence. Organic Chemistry Frontiers, 2019, 6, 3636-3643.	2.3	1
21	Gasâ€phase fragmentation reactions of protonated benzofuranâ€and dihydrobenzofuranâ€type neolignans investigated by accurateâ€mass electrospray ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2019, 54, 35-46.	0.7	4
22	New reactivity at the silicon bridge in sila[1]ferrocenophanes. Dalton Transactions, 2018, 47, 2759-2768.	1.6	8
23	Methodologies for the airbrush application of MALDI matrices. European Journal of Mass Spectrometry, 2018, 24, 89-95.	0.5	7
24	Substituent Effects in Chainâ€Breaking Aryltellurophenol Antioxidants. Chemistry - A European Journal, 2018, 24, 3520-3527.	1.7	12
25	Oxidative Addition, Transmetalation, and Reductive Elimination at a 2,2â€²-Bipyridyl-Ligated Gold Center. Journal of the American Chemical Society, 2018, 140, 4440-4445.	6.6	95
26	Nitro-, Azo-, and Amino Derivatives of Ebselen: Synthesis, Structure, and Cytoprotective Effects. Journal of Organic Chemistry, 2017, 82, 313-321.	1.7	31
27	Main-chain metallopolymers at the staticâ€“dynamic boundary based on nickelocene. Nature Chemistry, 2017, 9, 743-750.	6.6	54
28	Chainâ€Breaking Phenolic 2,3â€Dihydrobenzo[b]selenophene Antioxidants: Proximity Effects and Regeneration Studies. Chemistry - A European Journal, 2017, 23, 15080-15088.	1.7	12
29	Diversely halogenated spiropyrans - Useful synthetic building blocks for a versatile class of molecular switches. Dyes and Pigments, 2017, 136, 292-301.	2.0	39
30	Reâ€investigation of the fragmentation of protonated carotenoids by electrospray ionization and nanospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 1540-1548.	0.7	17
31	Investigation of colloidal graphite as a matrix for matrixâ€assisted laser desorption/ionisation mass spectrometry of low molecular weight analytes. Journal of Mass Spectrometry, 2016, 51, 491-503.	0.7	14
32	Electrospray ionization tandem mass spectrometry analysis of isopimarane diterpenes from Velloziaceae. Rapid Communications in Mass Spectrometry, 2016, 30, 61-68.	0.7	17
33	Ru-catalysed Câ€“H silylation of unprotected gramines, tryptamines and their congeners. Chemical Communications, 2016, 52, 5868-5871.	2.2	49
34	Alkyltelluro Substitution Improves the Radicalâ€Trapping Capacity of Aromatic Amines. Chemistry - A European Journal, 2016, 22, 12891-12903.	1.7	18
35	Regenerable Radical-Trapping Tellurobistocopherol Antioxidants. Journal of Organic Chemistry, 2016, 81, 12540-12544.	1.7	28
36	EFFECT OF CHARGE GENERATION IN ESI SOURCE ON THE NEUTRAL AROMATIC ELIMINATION MECHANISM IN XANTHOPHYLLS. Semioses InovaÃ§Ã£o Desenvolvimento E Sustentabilidade, 2016, 10, .	0.1	0

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37	Highâ€Yield Lithiation of Azobenzenes by Tinâ€“Lithium Exchange. Chemistry - A European Journal, 2015, 21, 11165-11173.	1.7	17
38	Regenerable Thiophenolic Radical-Trapping Antioxidants. Organic Letters, 2015, 17, 6162-6165.	2.4	10
39	Linear and star architecture methacrylate-functionalised PDMS. Materials Today Communications, 2015, 3, 122-129.	0.9	11
40	Ruâ€Catalysed Cï£¿H Arylation of Indoles and Pyrroles with Boronic Acids: Scope and Mechanistic Studies. Chemistry - A European Journal, 2015, 21, 5380-5386.	1.7	77
41	Synthesis of poly(thiophene-alt-pyrrole) from a difunctionalized thienylpyrrole by Kumada polycondensation. Tetrahedron, 2015, 71, 5399-5406.	1.0	7
42	Nucleophileâ€Selective Crossâ€Coupling Reactions with Vinyl and Alkynyl Bromides on a Dinucleophilic Aromatic Substrate. European Journal of Organic Chemistry, 2015, 2015, 2498-2502.	1.2	13
43	Boryl (Hetero)aryne Precursors as Versatile Arylation Reagents: Synthesis through Cï£¿H Activation and Orthogonal Reactivity. Angewandte Chemie - International Edition, 2015, 54, 11765-11769.	7.2	51
44	Catalytic Conversion of Ethanol to n-Butanol Using Ruthenium Pâ€“N Ligand Complexes. ACS Catalysis, 2015, 5, 5822-5826.	5.5	81
45	Jacobsen Catalyst as a Cytochrome P450 Biomimetic Model for the Metabolism of Monensin A. BioMed Research International, 2014, 2014, 1-8.	0.9	7
46	In vitrometabolism of monensin A: microbial and human liver microsomes models. Xenobiotica, 2014, 44, 326-335.	0.5	12
47	Generation of aminoborane monomers RRâ€²Nî€BH2from amineâ€“boronium cations [RRâ€²NHâ€“BH2L]+: metal catalyst-free formation of polyaminoboranes at ambient temperature. Chemical Communications, 2014, 50, 12146-12149.	2.2	67
48	Highly Tinâ€Selective Stille Coupling: Synthesis of a Polymer Containing a Stannole in the Main Chain. Angewandte Chemie - International Edition, 2014, 53, 12916-12920.	7.2	59
49	Tin-Functionalized Azobenzenes as Nucleophiles in Stille Cross-Coupling Reactions. Journal of Organic Chemistry, 2014, 79, 1719-1728.	1.7	20
50	Hoch Zinnâ€selektive Stilleâ€Kupplung: Polymersynthese mit einem Stannol in der Hauptkette. Angewandte Chemie, 2014, 126, 13130-13134.	1.6	26
51	Biomimetic oxidation studies of monensin A catalyzed by metalloporphyrins: Identification of hydroxyl derivative product by electrospray tandem mass spectrometry. Revista Brasileira De Farmacognosia, 2013, 23, 621-629.	0.6	6
52	Dual Selectivity: Electrophile and Nucleophile Selective Cross-Coupling Reactions on a Single Aromatic Substrate. Organic Letters, 2013, 15, 4666-4669.	2.4	36
53	Fundamentals and Applications of Analytical Chemistry in Natural Products. International Journal of Analytical Chemistry, 2012, 2012, 1-2.	0.4	1
54	Characterisation of Flavonoid Aglycones by Negative Ion Chip-Based Nanospray Tandem Mass Spectrometry. International Journal of Analytical Chemistry, 2012, 2012, 1-7.	0.4	33

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55	Chemoselective Cross-Coupling Reactions with Differentiation between Two Nucleophilic Sites on a Single Aromatic Substrate. Organic Letters, 2012, 14, 5644-5647.	2.4	50
56	Synthesis of Nâ€Vinyloxazolidinones and Morpholines from Amino Alcohols and Vinylsulfonium Salts: Analysis of the Outcome's Dependence on the Nâ€Protecting Group by Nanospray Mass Spectrometry. European Journal of Organic Chemistry, 2012, 2012, 160-166.	1.2	22
57	The Application of â€œDouble Isolationâ€•in Fourier Transform Ion Cyclotron Resonance Sustained off-Resonance Irradiation Collisionally-Induced Dissociation Tandem Mass Spectrometry to Remove Labile Isobaric Impurities. European Journal of Mass Spectrometry, 2011, 17, 481-484.	0.5	0
58	A new supramolecular organicâ€“inorganic adduct: {[Eu(CH3OH)(H2O)8]2[Eu(H2O)8][PW12O40]3}Â·8(C14H20O5)Â·2(C28H40O10)Â·6(CH3OH)Â·6(H2O). Journal of Molecular Structure, 2011, 989, 80-85.	1.8	3
59	Catalytic Dehydrocoupling/Dehydrogenation ofN-Methylamine-Borane and Ammonia-Borane: Synthesis and Characterization of High Molecular Weight Polyaminoboranes. Journal of the American Chemical Society, 2010, 132, 13332-13345.	6.6	280
60	Electrospray MSâ€based characterization of Î²â€carbolines â€“ mutagenic constituents of thermally processed meat. Molecular Nutrition and Food Research, 2010, 54, 433-439.	1.5	15
61	Structure elucidation and stereoselective total synthesis of pavettamine, the causal agent of gousiekte. Tetrahedron, 2010, 66, 2026-2036.	1.0	18
62	High prestige Royal Purple dyed textiles from the Bronze Age royal tomb at Qatna, Syria. Antiquity, 2009, 83, 1109-1118.	0.5	31
63	A simple modification of a silicic acid lipid fractionation protocol to eliminate free fatty acids from glycolipid and phospholipid fractions. Journal of Microbiological Methods, 2009, 78, 249-254.	0.7	40
64	A Fragmentation study of di-acidic mycosporine-like amino acids in electrospray and nanospray mass spectrometry. Journal of the Brazilian Chemical Society, 2009, 20, 1625-1631.	0.6	16
65	A theoretical and mass spectrometry study of the fragmentation of mycosporine-like amino acids. International Journal of Mass Spectrometry, 2008, 273, 11-19.	0.7	54
66	Negative ion â€˜chipâ€based†nanospray tandem mass spectrometry for the analysis of flavonoids in glandular trichomes of Lychnophora ericoides Mart. (Asteraceae). Rapid Communications in Mass Spectrometry, 2008, 22, 3802-3808.	0.7	22
67	Negative ion 'chip-based' nanospray tandem mass spectrometry for the analysis of flavonoids in glandular trichomes of Lychnophora ericoides Mart. Planta Medica, 2008, 74, .	0.7	0
68	Fragmentation Studies of Monensin A and B in Negative Electrospray and Nanospray Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2007, 13, 191-198.	0.5	2
69	Differential ionisation of natural antioxidant polyenes in electrospray and nanospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3842-3848.	0.7	17
70	Mechanism for the elimination of aromatic molecules from polyenes in tandem mass spectrometry. Chemical Communications, 2006, , 4110.	2.2	16
71	Influence of the alkali metal cation on the fragmentation of monensin in ESI-MS/MS. BJPS: Brazilian Journal of Pharmaceutical Sciences, 2006, 42, 363.	0.5	5
72	Letter: Radical Ion and Protonated Molecule Formation with Retinal in Electrospray and Nanospray. European Journal of Mass Spectrometry, 2006, 12, 71-74.	0.5	12

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73	From Ligand to Complexes:Â Inhibition of Human Immunodeficiency Virus Type 1 Integrase by Î²-Diketo Acid Metal Complexes. Journal of Medicinal Chemistry, 2006, 49, 4248-4260.	2.9	84
74	The fragmentation mechanism of five-membered lactones by electrospray ionisation tandem mass spectrometry. International Journal of Mass Spectrometry, 2004, 232, 271-276.	0.7	53
75	Fragmentation studies on tetronasin by accurate-mass electrospray tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 325-335.	1.2	25
76	New chemical evidence for the ability to generate radical molecular ions of polyenes from ESI and HR-MALDI mass spectrometry. Analyst, The, 2004, 129, 1223.	1.7	44
77	Evidence for gas-phase redox chemistry inducing novel fragmentation in a complex natural product. Organic and Biomolecular Chemistry, 2004, 2, 358.	1.5	14
78	Novel porphyrinâ€“quinazoline conjugates via the Dielsâ€“Alder reaction. Tetrahedron, 2003, 59, 7907-7913.	1.0	4
79	Sodium monensin dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m1050-m1052.	0.2	8
80	Sesquiterpene Lactones fromLychnophoraericoides. Journal of Natural Products, 2003, 66, 693-695.	1.5	45
81	Identification using LC-MSn of co-metabolites in the biosynthesis of the polyketide toxin mycolactone by a clinical isolate of Mycobacterium ulceransElectronic supplementary information (ESI) available: Experimental procedures and ESI-CID-MS/MS spectra of mycolactone and the five co-metabolites; MS3 spectrum of m/z 661 from the MS/MS of m/z 749; scheme showing the losses of mass 88 (C4H8O2) during the MS/MS of m/z 749 and the MS3 of m/z 661. See http://www.rsc.org/suppdata/cc/b3/b308163j/. Chemical Communications, 2003, , 2822.	2.2	47
82	The effect of ruthenium(iii) chloride on the formation of protonated parent ions in electrospray mass spectrometry. Chemical Communications, 2003, , 2732.	2.2	7
83	Novel gas-phase ionâ€“molecule aromatic nucleophilic substitution in Î²-carbolines. Chemical Communications, 2003, , 72-73.	2.2	8
84	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Dextran and Dextrin Derivatives. European Journal of Mass Spectrometry, 2003, 9, 61-70.	0.5	21
85	Fragmentation studies on monensin A by sequential electrospray mass spectrometry. Analyst, The, 2002, 127, 503-506.	1.7	49
86	Fragmentation studies on lasalocid acid by accurate mass electrospray mass spectrometry. Analyst, The, 2002, 127, 1224-1227.	1.7	31
87	Structural elucidation studies on 14- and 16-membered macrolide aglycones by accurate-mass electrospray sequential mass spectrometry. Journal of the American Society for Mass Spectrometry, 2002, 13, 862-874.	1.2	11
88	Fragmentation studies on monensin A and B by accurate-mass electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 414-420.	0.7	52
89	A study of the effect of pH, solvent system, cone potential and the addition of crown ethers on the formation of the monensin protonated parent ion in electrospray mass spectrometry. Analyst, The, 2001, 126, 1630-1632.	1.7	37
90	Electrospray ionisation Fourier-transform ion cyclotron resonance mass spectrometry of dynamic combinatorial libraries. , 2000, 14, 44-48.		46

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91	Structural elucidation studies of erythromycins by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 242-246.	0.7	35
92	Structural elucidation studies of erythromycins by electrospray tandem mass spectrometry II. , 1999, 13, 1650-1656.		27
93	Structural elucidation studies of erythromycins by electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 242-246.	0.7	1
94	Cyclodextrinâ€"piroxicam inclusion complexes: analyses by mass spectrometry and molecular modelling. International Journal of Mass Spectrometry and Ion Processes, 1997, 165-166, 523-531.	1.9	23
95	CHAPTER 10. Perspectives for the Future. Chemical Biology, 0, , 264-287.	0.1	0