# Gillian M Greenway

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 99 papers | 3,147 citations | 34 h-index | 51 g-index |
| 104 ext. papers | 3,379 ext. citations | 5.1 avg, IF | 5.37 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 99 | Enhanced Antimicrobial Action of Chlorhexidine Loaded in Shellac Nanoparticles with Cationic Surface Functionality. *Pharmaceutics*, **2021**, 13, | 6.4 | 2 |
| 98 | Electrochemical immunoassay for the detection of stress biomarkers. *Heliyon*, **2020**, 6, e03558 | 3.6 | 7 |
| 97 | Toxicity of polyelectrolyte-functionalized titania nanoparticles in zebrafish (Danio rerio) embryos. *SN Applied Sciences*, **2020**, 2, 1 | 1.8 | 2 |
| 96 | A feasibility study of a leaky waveguide aptasensor for thrombin. *Analyst, The*, **2019**, 144, 6048-6054 | 5 | 7 |
| 95 | Dual-functionalised shellac nanocarriers give a super-boost of the antimicrobial action of berberine. *Nanoscale Advances*, **2019**, 1, 858-872 | 5.1 | 16 |
| 94 | Method for Determining Average Iron Content of Ferritin by Measuring its Optical Dispersion. *Analytical Chemistry*, **2019**, 91, 7366-7372 | 7.8 | 17 |
| 93 | Boosting the antimicrobial action of vancomycin formulated in shellac nanoparticles of dual-surface functionality. *Journal of Materials Chemistry B*, **2019**, 7, 3119-3133 | 7.3 | 14 |
| 92 | A sensitive chemiluminescence based immunoassay for the detection of cortisol and cortisone as stress biomarkers. *Journal of Analytical Science and Technology*, **2019**, 10, | 3.4 | 6 |
| 91 | Characterization of Energy-Rich Hydrochars from Microwave-Assisted Hydrothermal Carbonization of Coconut Shell. *Waste and Biomass Valorization*, **2019**, 10, 1979-1987 | 3.2 | 18 |
| 90 | Lipase immobilised on silica monoliths as continuous-flow microreactors for triglyceride transesterification. *Reaction Chemistry and Engineering*, **2018**, 3, 68-74 | 4.9 | 10 |
| 89 | Imaging immunoassay in negative: surface-catalysed chemiluminescence for the detection of pregnancy hormones in artificial saliva. *New Journal of Chemistry*, **2018**, 42, 18641-18648 | 3.6 | 2 |
| 88 | Amplified antimicrobial action of chlorhexidine encapsulated in PDAC-functionalized acrylate copolymer nanogel carriers. *Materials Chemistry Frontiers*, **2018**, 2, 2032-2044 | 7.8 | 19 |
| 87 | Enhanced antimicrobial effect of berberine in nanogel carriers with cationic surface functionality. *Journal of Materials Chemistry B*, **2017**, 5, 7885-7897 | 7.3 | 35 |
| 86 | Removal and recovery of vanadium from alkaline steel slag leachates with anion exchange resins. *Journal of Environmental Management*, **2017**, 187, 384-392 | 7.9 | 40 |
| 85 | Chemical, structural and energy properties of hydrochars from microwave-assisted hydrothermal carbonization of glucose. *International Journal of Industrial Chemistry*, **2016**, 7, 449-456 | 3.1 | 36 |
| 84 | Microwave-assisted and conventional hydrothermal carbonization of lignocellulosic waste material: Comparison of the chemical and structural properties of the hydrochars. *Journal of Analytical and Applied Pyrolysis*, **2016**, 118, 1-8 | 6 | 81 |
| 83 | Microwave-assisted hydrothermal carbonization of rapeseed husk: A strategy for improving its solid fuel properties. *Fuel Processing Technology*, **2016**, 149, 305-312 | 7.2 | 45 |

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| 82 | Zinc Uptake from Circumneutral Mine Drainage in Freshwater Biofilms: New Insights from In Vitro Experiments. *Mine Water and the Environment*, **2015**, 34, 295-307 | 2.4 | 3 |
| 81 | Nanotoxicity of polyelectrolyte-functionalized titania nanoparticles towards microalgae and yeast: role of the particle concentration, size and surface charge. *RSC Advances*, **2015**, 5, 37044-37059 | 3.7 | 30 |
| 80 | Removal of Pb2+ and Cd2+ from aqueous solution using chars from pyrolysis and microwave-assisted hydrothermal carbonization of Prosopis africana shell. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 3467-3473 | 6.3 | 118 |
| 79 | Microwave-assisted hydrothermal synthesis of carbon monolith via a soft-template method using resorcinol and formaldehyde as carbon precursor and pluronic F127 as template. *Materials Letters*, **2014**, 123, 198-201 | 3.3 | 14 |
| 78 | Biomass derived mesoporous carbon monoliths via an evaporation-induced self-assembly. *Materials Letters*, **2014**, 115, 117-120 | 3.3 | 10 |
| 77 | Diffusive gradient in thin films (DGT) for profiling leaching of CCA-treated wood waste mulch into the soil environment. *International Journal of Environmental Analytical Chemistry*, **2014**, 94, 115-126 | 1.8 | 2 |
| 76 | Development and evaluation of microfluidic device for the determination of organophosphorus pesticide incorporating monolith based immobilized AChE with spectrophotometric detection. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 739-754 | 1.8 | 2 |
| 75 | Simultaneous preconcentration and determination of nickel and cobalt using functionalised mesoporous silica spheres by ICP-OES. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 1537-1556 | 1.8 | 14 |
| 74 | Establishing a baseline value for urinary arsenic:selenium ratio in unexposed populations in the United Kingdom. *Biomedical Spectroscopy and Imaging*, **2013**, 2, 225-240 | 1.3 | |
| 73 | Improved DNA extraction efficiency from low level cell numbers using a silica monolith based micro fluidic device. *Analytica Chimica Acta*, **2012**, 750, 127-31 | 6.6 | 16 |
| 72 | Development of a real-world direct interface for integrated DNA extraction and amplification in a microfluidic device. *Lab on A Chip*, **2011**, 11, 443-8 | 7.2 | 28 |
| 71 | Microscreening toxicity system based on living magnetic yeast and gradient chips. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 1009-13 | 4.4 | 49 |
| 70 | Rapid PCR amplification using a microfluidic device with integrated microwave heating and air impingement cooling. *Lab on A Chip*, **2010**, 10, 1725-8 | 7.2 | 64 |
| 69 | A microflow chemiluminescence system for determination of chloramphenicol in honey with preconcentration using a molecularly imprinted polymer. *Talanta*, **2010**, 82, 560-6 | 6.2 | 48 |
| 68 | Development of enzyme immobilized monolith micro-reactors integrated with microfluidic electrochemical cell for the evaluation of enzyme kinetics. *Microfluidics and Nanofluidics*, **2010**, 8, 565-573 | 2.8 | 56 |
| 67 | Measurement of acetylcholinesterase inhibition using bienzymes immobilized monolith micro-reactor with integrated electrochemical detection. *Analytica Chimica Acta*, **2010**, 659, 9-14 | 6.6 | 31 |
| 66 | A prototype microfluidic chip using fluorescent yeast for detection of toxic compounds. *Biosensors and Bioelectronics*, **2009**, 24, 1508-11 | 11.8 | 37 |
| 65 | The use of carrier RNA to enhance DNA extraction from microfluidic-based silica monoliths. *Analytica Chimica Acta*, **2009**, 652, 231-3 | 6.6 | 45 |

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| 64 | Development of a gel-to-gel electro-kinetic pinched injection method for an integrated micro-fluidic based DNA analyser. *Analytica Chimica Acta*, **2009**, 652, 239-44 | 6.6 | 2 |
| 63 | Electrogenerated chemiluminescence at droplet-modified electrodes: towards biphasic pKa measurement via proton-coupled electron transfer at liquid\|liquid interfaces. *New Journal of Chemistry*, **2009**, 33, 749 | 3.6 | 8 |
| 62 | Development of a bi-functional silica monolith for electro-osmotic pumping and DNA clean-up/extraction using gel-supported reagents in a microfluidic device. *Lab on A Chip*, **2009**, 9, 1596-600 | 7.2 | 17 |
| 61 | Simple practical approach for sample loading prior to DNA extraction using a silica monolith in a microfluidic device. *Lab on A Chip*, **2009**, 9, 3430-2 | 7.2 | 15 |
| 60 | The on-line synthesis of enzyme functionalized silica nanoparticles in a microfluidic reactor using polyethylenimine polymer and R5 peptide. *Nanotechnology*, **2008**, 19, 315603 | 3.4 | 24 |
| 59 | A highly efficient sample introduction system for interfacing microfluidic chips with ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 657 | 3.7 | 20 |
| 58 | Rapid arsenic speciation using ion pair LC-ICPMS with a monolithic silica column reveals increased urinary DMA excretion after ingestion of rice. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 361 | 3.7 | 38 |
| 57 | A miniaturized flow-injection analysis ( FIA) system with on-line chemiluminescence detection for the determination of iron in estuarine water. *International Journal of Environmental Analytical Chemistry*, **2007**, 87, 637-646 | 1.8 | 6 |
| 56 | Determination of Thyroxine Using Tris(2,2?-Bipyridyl)Ruthenium(III)-NADH Enhanced Electrochemiluminescence Detection. *Analytical Letters*, **2007**, 40, 1071-1083 | 2.2 | 17 |
| 55 | Miniaturized flow-injection-analysis (FIA) system with on-line chemiluminescence detection based on the luminol-hypochlorite reaction for the determination of ammonium in river water. *International Journal of Environmental Analytical Chemistry*, **2007**, 87, 425-436 | 1.8 | 4 |
| 54 | Kinetic speciation of BCR reference materials. *International Journal of Environmental Analytical Chemistry*, **2006**, 86, 359-366 | 1.8 | 7 |
| 53 | Ultrasound-enhanced flow injection chemiluminescence for determination of hydrogen peroxide. *Analyst, The*, **2006**, 131, 501-8 | 5 | 43 |
| 52 | Recent developments in manganese speciation. *TrAC - Trends in Analytical Chemistry*, **2005**, 24, 803-809 | 14.6 | 37 |
| 51 | Microfluidic devices for environmental monitoring. *TrAC - Trends in Analytical Chemistry*, **2005**, 24, 795-802 | 14.6 | 91 |
| 50 | Luminol chemiluminescence induced by immobilised xanthine oxidase. *Analytica Chimica Acta*, **2005** , 541, 89-95 | 6.6 | 16 |
| 49 | Determination of hydrogen peroxide in rainwater in a miniaturised analytical system. *Analytica Chimica Acta*, **2005**, 548, 20-25 | 6.6 | 51 |
| 48 | Interfacing a microfluidic electrophoresis chip with inductively coupled plasma mass spectrometry for rapid elemental speciation. *Journal of Analytical Atomic Spectrometry*, **2004**, 19, 883 | 3.7 | 48 |
| 47 | A study of the elemental leachability and retention capability of compost. *Journal of Environmental Monitoring*, **2004**, 6, 31-7 | | 42 |

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| 46 | Microfabricated bioreactor chips for immobilised enzyme assays. *Analytica Chimica Acta*, **2003**, 486, 149-157 | 6.6 | 19 |
| 45 | Interfacing microchip capillary electrophoresis with inductively coupled plasma mass spectrometry for chromium speciation. *Journal of Analytical Atomic Spectrometry*, **2003**, 18, 1-3 | 3.7 | 50 |
| 44 | Sample manipulation in micro total analytical systems. *TrAC - Trends in Analytical Chemistry*, **2002**, 21, 726-740 | 14.6 | 44 |
| 43 | Heavy metal speciation in the composting process. *Journal of Environmental Monitoring*, **2002**, 4, 300-5 | | 42 |
| 42 | An ultrasound accelerated sequential extraction method and its application for element partitioning studies in compost from mixed waste streams. *Journal of Environmental Monitoring*, **2002**, 4, 950-5 | | 23 |
| 41 | Chemiluminescence muTAS for the determination of atropine and pethidine. *Talanta*, **2002**, 56, 539-45 | 6.2 | 42 |
| 40 | An investigation of electroosmotic flow and pressure pumped luminol chemiluminescence detection for cobalt analysis in a miniaturised total analytical system. *Lab on A Chip*, **2001**, 1, 138-42 | 7.2 | 14 |
| 39 | Tris(2,2Ŧbipyridine)ruthenium(II) electrogenerated chemiluminescence of alkaloid type drugs with solid phase extraction sample preparation. *Analyst, The*, **2001**, 126, 37-40 | 5 | 28 |
| 38 | The generation of concentration gradients using electroosmotic flow in micro reactors allowing stereoselective chemical synthesis. *Analyst, The*, **2001**, 126, 11-3 | 5 | 47 |
| 37 | The preparation of a series of nitrostilbene ester compounds using micro reactor technology. *Analyst, The*, **2001**, 126, 7-10 | 5 | 54 |
| 36 | Tris(2,2-bipyridyl)ruthenium (II) chemiluminescence in a microflow injection system for codeine determination. *Analytica Chimica Acta*, **2000**, 405, 43-50 | 6.6 | 69 |
| 35 | The use of a novel microreactor for high throughput continuous flow organic synthesis. *Sensors and Actuators B: Chemical*, **2000**, 63, 153-158 | 8.5 | 141 |
| 34 | Determination of morpholine fungicides using the tris(2,2?-bipyridine) ruthenium(II) chemiluminescence reaction. *Analyst, The*, **2000**, 125, 765-769 | 5 | 22 |
| 33 | In-situ immobilisation of glucose oxidase on a novel microporous silica support. *Analyst, The*, **2000**, 125, 237-239 | 5 | 16 |
| 32 | Miniaturisation of a matrix separation/preconcentration procedure for inductively coupled plasma mass spectrometry using 8-hydroxyquinoline immobilised on a microporous silica frit. *Journal of Analytical Atomic Spectrometry*, **1999**, 14, 1839-1842 | 3.7 | 21 |
| 31 | Analysis of tricyclic antidepressants using electrogenerated chemiluminescence. *Analyst, The*, **1999**, 124, 759-62 | 5 | 93 |
| 30 | Comparison of inductively coupled plasma mass spectrometry with a microconcentric nebuliser and total reflection X-ray spectrometry for the analysis of small liquid volume samples. *Journal of Analytical Atomic Spectrometry*, **1998**, 13, 1333-1335 | 3.7 | 6 |
| 29 | Miniaturisation of a matrix separation/preconcentration procedure for inductively coupled plasma mass spectrometry. *Analytical Communications*, **1998**, 35, 177-178 | | 6 |

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| 28 | Evaluation of 2-Chrysenyl and 1-Pyrenyltartramide Derivatives asChiral Selectors for Enantiomeric Separation on Porous Graphitic CarbonHigh-performance Liquid Chromatographic Columns. *Analyst, The*, **1997**, 122, 719-726 | 5 | 3 |
| 27 | Microconcentric Nebuliser for the Analysis of Small Sample Volumes by Inductively Coupled Plasma Mass Spectrometry. *Journal of Analytical Atomic Spectrometry*, **1997**, 12, 1373-1376 | 3.7 | 16 |
| 26 | Relationship between structural attributes and observed electrogenerated chemiluminescence (ECL) activity of tertiary amines as potential analytes for the tris(2,2-bipyridine)ruthenium(II) ECL reaction. A review. *Analyst, The*, **1996**, 121, 101R | 5 | 182 |
| 25 | Determination of amitriptyline using electrogenerated chemiluminescence. *Analytical Communications*, **1996**, 33, 139 | | 15 |
| 24 | Application of a novel iminodiacetate chelating material to automated matrix separation for inductively coupled plasma mass spectrometry. *Analytical Communications*, **1996**, 33, 57 | | 11 |
| 23 | Electrogenerated chemiluminescence determination of some local anaesthetics. *Analytical Communications*, **1996**, 33, 171 | | 23 |
| 22 | Chromatographic resolution of enantiomers on a chiral stationary phase physically anchored to porous graphitic carbon. *Analytical Communications*, **1996**, 33, 65 | | 7 |
| 21 | Evaluation of controlled-pore glass immobilized iminodiacetate as a reagent for automated on-line matrix separation for inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **1996**, 11, 907 | 3.7 | 26 |
| 20 | Liquid chromatographic determination of methylamines. Determination of trimethylamine in fish samples using a porous graphitic carbon stationary phase. *Analytica Chimica Acta*, **1996**, 322, 63-68 | 6.6 | 28 |
| 19 | Novel 2-chrysenyl- and 1-pyrenyl-tartaramide derivatives as liquid chromatographic chiral phases for enantiomeric separation on porous graphitic carbon. *Tetrahedron: Asymmetry*, **1996**, 7, 1189-1198 | | 15 |
| 18 | The determination of sugars in beverages and medicines using on-line dialysis for sample preparation. *Food Chemistry*, **1995**, 53, 105-110 | 8.5 | 9 |
| 17 | Investigation into the detection of chlorine species by Rhodamine 6G chemiluminescence with electrochemical modification. *Analyst, The*, **1995**, 120, 477 | 5 | 13 |
| 16 | Application of multi-element time-resolved analysis to a rapid on-line matrix separation system for inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **1995**, 10, 929 | 3.7 | 17 |
| 15 | Electrogenerated chemiluminescent determination of pyruvate using tris(2,2?-bipyridine)ruthenium(II). *Analyst, The*, **1995**, 120, 2543-2547 | 5 | 53 |
| 14 | Electrogenerated chemiluminescent determination of codeine and related alkaloids and pharmaceuticals with tris(2,2?-bipyridine)ruthenium(II). *Analyst, The*, **1995**, 120, 2549-2552 | 5 | 73 |
| 13 | Indirect, ion-annihilation electrogenerated chemiluminescence and its application to the determination of aromatic tertiary amines. *Analyst, The*, **1995**, 120, 1077 | 5 | 8 |
| 12 | On-line determination of vanadium by adsorptive stripping voltammetry. *Analytica Chimica Acta*, **1995**, 312, 15-25 | 6.6 | 25 |
| 11 | Occurrence, mechanisms and analytical applications of electrogenerated chemiluminescence. A review. *Analyst, The*, **1994**, 119, 879 | 5 | 239 |

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| 10 | Speciation and preconcentration of trace elements with immobilized algae for atomic absorption spectrophotometric detection. *Journal of Analytical Atomic Spectrometry*, **1994**, 9, 547 | 3.7 | 17 |
| 9 | On-line determination of chromium by adsorptive cathodic stripping voltammetry. *Analyst, The*, **1994**, 119, 293 | 5 | 25 |
| 8 | On-line sample preparation for the determination of riboflavin and flavin mononucleotides in foodstuffs. *Analyst, The*, **1994**, 119, 929-35 | 5 | 26 |
| 7 | Supercritical fluid extraction for the analysis of liquid poly(alkylene glycol) lubricants and sorbitan ester formulations. *Analyst, The*, **1993**, 118, 17 | 5 | 3 |
| 6 | Immobilized alga as a reagent for preconcentration in trace element atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **1991**, 6, 643 | 3.7 | 34 |
| 5 | Analysis of poly(vinyl chloride) additives by supercritical fluid extraction and supercritical fluid chromatography. *Analyst, The*, **1991**, 116, 1299 | 5 | 28 |
| 4 | Determination of L-ascorbic acid in fruit and vegetable juices by flow injection with immobilised ascorbate oxidase. *Analyst, The*, **1990**, 115, 1297-9 | 5 | 67 |
| 3 | Optimisation of an atmospheric pressure helium microwave-induced plasma coupled with capillary gas chromatography for the determination of alkyllead and alkylmercury compounds. *Journal of Analytical Atomic Spectrometry*, **1989**, 4, 783 | 3.7 | 19 |
| 2 | Biosensing with coated-wire electrodes. Part 1. Glucose sensors. *Analyst, The*, **1989**, 114, 785 | 5 | 8 |
| 1 | Biosensing with coated-wire electrodes. Part 2. Urea sensors. *Analyst, The*, **1989**, 114, 1575 | 5 | 9 |