Paul G Stevenson

List of Publications by Year
in descending order

62 papers	1,067 citations	393982 19 h-index	454577 30 g-index
62 all docs	62 docs citations	62 times ranked	992 citing authors

#	Article	IF	Citations
1	Performance of columns packed with the new shell particles, Kinetex-C18. Journal of Chromatography A, 2010, 1217, 1589-1603.	1.8	203
2	Outbreak of anorexia nervosa admissions during the COVID-19 pandemic. Archives of Disease in Childhood, 2021, 106, e15-e15.	1.0	137
3	Automated methods for the location of the boundaries of chromatographic peaks. Journal of Chromatography A, 2011, 1218, 8255-8263.	1.8	45
4	Peak picking and the assessment of separation performance in two-dimensional high performance liquid chromatography. Analyst, The, 2010, 135, 1541.	1.7	35
5	Comprehensive two-dimensional chromatography with coupling of reversed phase high performance liquid chromatography and supercritical fluid chromatography. Journal of Chromatography A, 2012, 1220, 175-178.	1.8	31
6	Screening of cannabinoids in industrial-grade hemp using two-dimensional liquid chromatography coupled with acidic potassium permanganate chemiluminescence detection. Journal of Separation Science, 2015, 38, 2024-2032.	1.3	31
7	Improving peak shapes with counter gradients in two-dimensional high performance liquid chromatography. Journal of Chromatography A, 2014, 1337, 147-154.	1.8	28
8	Removing the ambiguity of data processing methods: Optimizing the location of peak boundaries for accurate moment calculations. Journal of Separation Science, 2013, 36, 279-287.	1.3	26
9	Effects of π–π Interactions on the Separation of PAHs on Phenyl–Type Stationary Phases. Journal of Liquid Chromatography and Related Technologies, 2007, 31, 324-347.	0.5	25
10	Evaluation of the asymmetric least squares baseline algorithm through the accuracy of statistical peak moments. Journal of Chromatography A, 2013, 1284, 107-111.	1.8	24
11	π-Selective stationary phases: (I) Influence of the spacer chain length of phenyl type phases on the aromatic and methylene selectivity of aromatic compounds in reversed phase high performance liquid chromatography. Journal of Chromatography A, 2010, 1217, 5358-5364.	1.8	23
12	Protocols for finding the most orthogonal dimensions for two-dimensional high performance liquid chromatography. Talanta, 2015, 134, 402-408.	2.9	23
13	Retention mechanism divergence of a mixed mode stationary phase for high performance liquid chromatography. Journal of Chromatography A, 2011, 1218, 1822-1827.	1.8	22
14	The impact of column connection on band broadening in very high pressure liquid chromatography. Journal of Separation Science, 2013, 36, 2709-2717.	1.3	21
15	Application of power functions to chromatographic data for the enhancement of signal to noise ratios and separation resolution. Journal of Chromatography A, 2010, 1217, 5693-5699.	1.8	20
16	Determination of neurotransmitters and their metabolites using one- and two-dimensional liquid chromatography with acidic potassium permanganate chemiluminescence detection. Analytical and Bioanalytical Chemistry, 2014, 406, 5669-5676.	1.9	20
17	π-Selective stationary phases: (III) Influence of the propyl phenyl ligand density on the aromatic and methylene selectivity of aromatic compounds in reversed phase liquid chromatography. Journal of Chromatography A, 2010, 1217, 5377-5383.	1.8	19
18	The analysis of café espresso using two-dimensional reversed phase–reversed phase high performance liquid chromatography with UV-absorbance and chemiluminescence detection. Talanta, 2010, 82, 1358-1363.	2.9	19

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19	Investigations on the calculation of the third moments of elution peaks. I: Composite signals generated by adding up a mathematical function and experimental noise. Journal of Chromatography A, 2012, 1222, 81-89.	1.8	19
20	Off-line two-dimensional liquid chromatography for metabolomics: an example using Agaricus bisporus mushrooms exposed to UV irradiation. Metabolomics, 2015, 11, 939-951.	1.4	19
21	The assessment of π–π selective stationary phases for two-dimensional HPLC analysis of foods: Application to the analysis of coffee. Talanta, 2010, 82, 1349-1357.	2.9	18
22	DryLab® optimised two-dimensional high performance liquid chromatography for differentiation of ephedrine and pseudoephedrine based methamphetamine samples. Forensic Science International, 2014, 244, 302-305.	1.3	18
23	Cumulative area of peaks in a multidimensional high performance liquid chromatogram. Journal of Chromatography A, 2013, 1308, 79-85.	1.8	15
24	π-Selective stationary phases: (II) Adsorption behaviour of substituted aromatic compounds on n-alkyl-phenyl stationary phases. Journal of Chromatography A, 2010, 1217, 5365-5376.	1.8	14
25	Multi-Dimensional Liquid Chromatography and Metabolomics, Are Two Dimensions Better Than One?. Current Metabolomics, 2015, 3, 10-20.	0.5	14
26	The Development of the In Situ Modification of 1st Generation Analytical Scale Silica Monoliths. Chromatographia, 2014, 77, 663-671.	0.7	13
27	The course and prognostic capability of motor difficulties in infants showing early signs of autism. Autism Research, 2021, 14, 1759-1768.	2.1	12
28	In-silico optimisation of two-dimensional high performance liquid chromatography for the determination of Australian methamphetamine seizure samples. Forensic Science International, 2016, 266, 511-516.	1.3	10
29	A discussion on the process of defining 2ᴰ separation selectivity. Journal of Separation Science, 2010, 33, 1405-1413.	1.3	9
30	Retention divergence of terpenes with porous graphitized carbon and C18 stationary phases. Journal of Chromatography A, 2012, 1247, 57-62.	1.8	9
31	Very high pressure liquid chromatography using core-shell particles: Quantitative analysis of fast gradient separations without post-run times. Journal of Chromatography A, 2014, 1325, 99-108.	1.8	9
32	Investigating retention characteristics of a mixed-mode stationary phase and the enhancement of monolith selectivity for high-performance liquid chromatography. Journal of Separation Science, 2014, 37, 1937-1943.	1.3	9
33	Overcoming solvent mismatch limitations in 2D-HPLC with temperature programming of isocratic mobile phases. Analytical Methods, 2016, 8, 1293-1298.	1.3	9
34	Investigating associations between birth order and autism diagnostic phenotypes. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 961-970.	3.1	9
35	The importance of chain length for the polyphosphate enhancement of acidic potassium permanganate chemiluminescence. Analytica Chimica Acta, 2014, 842, 35-41.	2.6	8
36	Using 3D Printing to Visualize 2D Chromatograms and NMR Spectra for the Classroom. Journal of Chemical Education, 2021, 98, 1024-1030.	1.1	8

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37	A non-destructive test to assess the axial heterogeneity of in situ modified monoliths for HPLC. Analytical Methods, 2015, 7, 7177-7185.	1.3	7
38	Application of 2D-HPLC coupled with principal component analysis to study an industrial opiate processing stream. Talanta, 2017, 166, 119-125.	2.9	7
39	Frequency of protracted bacterial bronchitis and management <scp>pre–respiratory</scp> referral. Journal of Paediatrics and Child Health, 2022, 58, 97-103.	0.4	7
40	Improved 2D-HPLC of red wine by incorporating pre-process signal-smoothing algorithms. Journal of Separation Science, 2013, 36, 3503-3510.	1.3	6
41	DETECT Schools Study Protocol: A Prospective Observational Cohort Surveillance Study Investigating the Impact of COVID-19 in Western Australian Schools. Frontiers in Public Health, 2021, 9, 636921.	1.3	6
42	The utility of continuous glucose monitoring systems in the management of children with persistent hypoglycaemia. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 1567-1572.	0.4	6
43	An illustration of the physical robustness of silica monolithic rod columns. Analytical Methods, 2010, 2, 93-95.	1.3	5
44	Blind column selection protocol for two-dimensional high performance liquid chromatography. Talanta, 2016, 154, 85-91.	2.9	5
45	Extraction, identification and detection of synthetic cannabinoids found pre-ban in herbal products in Victoria, Australia. Forensic Chemistry, 2018, 7, 19-25.	1.7	5
46	Elemental and molecular profiling of licit, illicit, and niche tobacco. Forensic Science International, 2016, 266, 549-554.	1.3	4
47	Evaluation of focus and deep learning methods for automated image grading and factors influencing image quality in adaptive optics ophthalmoscopy. Scientific Reports, 2021, 11, 16641.	1.6	4
48	Acceptability of OP/Na swabbing for SARS-CoV-2: a prospective observational cohort surveillance study in Western Australian schools. BMJ Open, 2022, 12, e055217.	0.8	4
49	Phenyl–type and C1 stationary phases for environmentally friendlier chromatography. Journal of Separation Science, 2009, 32, 3880-3889.	1.3	3
50	Fast gradient separation by very high pressure liquid chromatography: Reproducibility of analytical data and influence of delay between successive runs. Journal of Chromatography A, 2013, 1318, 122-133.	1.8	3
51	Data processing for 2D-LC: where are we heading?. Bioanalysis, 2013, 5, 2867-2869.	0.6	3
52	Very high pressure liquid chromatography using fully porous particles: Quantitative analysis of fast gradient separations without post-run times. Journal of Chromatography A, 2014, 1324, 155-163.	1.8	3
53	Assessing the detectability of antioxidants in two–dimensional high–performance liquid chromatography. Journal of Separation Science, 2015, 38, 1642-1648.	1.3	3
54	Influence of base on nitro-aldol (Henry) reaction products for alternative clandestine pathways. Australian Journal of Forensic Sciences, 2016, 48, 684-693.	0.7	3

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55	Topical treatment of vulvodynia, dyspareunia and pudendal neuralgia: A single clinic audit of amitriptyline and oestriol in organogel. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2021, 61, 270-274.	0.4	3
56	Retinal Differential Light Sensitivity Variation Across the Macula in Healthy Subjects: Importance of Cone Separation and Loci Eccentricity. Translational Vision Science and Technology, 2021, 10, 16.	1.1	2
57	Selectivity in separation using π electron‑rich stationary phases for the comprehensive two‑dimensional analysis of café espresso. Journal of Separation Science, 2011, 34, 21-26.	1.3	1
58	Volume based vs. time based chromatograms: Reproducibility of data for gradient separations under high and low pressure conditions. Journal of Chromatography A, 2014, 1343, 79-90.	1.8	1
59	Development of a resin based silica monolithic column encapsulation. Analytical Methods, 2015, 7, 4908-4911.	1.3	1
60	Application of a digital stringing protocol on buried fabrics. Australian Journal of Forensic Sciences, 2019, 51, S145-S148.	0.7	1
61	Why do street signs taste so good? A community ballistics project. Australian Journal of Forensic Sciences, 2019, 51, S172-S175.	0.7	0
62	Outlining a Multidimensional Approach for the Analysis of Coffee using HPLC. Journal of Chromatography & Separation Techniques, 2015, 06, .	0.2	0