

Analytical Eco-Scale for assessing the greenness of anal

TrAC - Trends in Analytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Green chemistry in analytical atomic spectrometry: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1831.	1.6	74
3	Strategies for a cleaner new scientific discipline of green foodomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 23-35.	5.8	21
4	Recent developments and future trends in solid phase microextraction techniques towards green analytical chemistry. <i>Journal of Chromatography A</i> , 2013, 1321, 1-13.	1.8	234
5	The 12 principles of green analytical chemistry and the SIGNIFICANCE mnemonic of green analytical practices. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 50, 78-84.	5.8	1,293
6	Application of multivariate statistics in assessment of green analytical chemistry parameters of analytical methodologies. <i>Green Chemistry</i> , 2013, 15, 1615.	4.6	33
7	Sustainable analytical chemistry—more than just being green. <i>Pure and Applied Chemistry</i> , 2013, 85, 2217-2229.	0.9	50
8	Food for Thought: A Critical Overview of Current Practical and Conceptual Challenges in Trace Element Analysis in Natural Waters. <i>Water (Switzerland)</i> , 2013, 5, 1152-1171.	1.2	13
9	Fully automated on-line flow-batch based ultrasound-assisted surfactant-mediated extraction and determination of anthraquinones in medicinal plants. <i>Microchemical Journal</i> , 2014, 116, 98-106.	2.3	21
10	Determination of parent and methylated polycyclic aromatic hydrocarbons in water samples by dispersive liquid—liquid microextraction—two dimensional gas chromatography—time-of-flight mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 6678.	1.3	13
11	Determination of biochemical parameters in human serum by near-infrared spectroscopy. <i>Analytical Methods</i> , 2014, 6, 3982.	1.3	14
12	Greener derivatization in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 1-10.	5.8	58
13	Multivariate statistical comparison of analytical procedures for benzene and phenol determination with respect to their environmental impact. <i>Talanta</i> , 2014, 130, 449-455.	2.9	12
14	The social responsibility of environmental analysis. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 3-4, 7-13.	5.3	19
15	A trade off between separation, detection and sustainability in liquid chromatographic fingerprinting. <i>Journal of Chromatography A</i> , 2014, 1354, 34-42.	1.8	16
16	Speciation of methylmercury in market seafood by thermal degradation, amalgamation and atomic absorption spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 90-96.	2.9	20
17	Capillary Action Liquid Chromatography: New Chromatographic Technique for the Separation and Determination of Colour Substances. <i>Adsorption Science and Technology</i> , 2015, 33, 639-643.	1.5	3
18	Gaseous Products of Incense Coil Combustion Extracted by Passive Solid Phase Microextraction Samplers. <i>Atmosphere</i> , 2015, 6, 822-833.	1.0	4
19	Green Chemistry Metrics with Special Reference to Green Analytical Chemistry. <i>Molecules</i> , 2015, 20, 10928-10946.	1.7	334

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20	A comparative study on sample preparation procedures for supplementary foods by ICP-OES: Green chemistry considerations. <i>Analytical Methods</i> , 2015, 7, 3637-3644.	1.3	6
21	The role of green extraction techniques in Green Analytical Chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 2-8.	5.8	255
22	The importance of incorporating a waste detoxification step in analytical methodologies. <i>Analytical Methods</i> , 2015, 7, 5702-5706.	1.3	18
23	Pressurized hot water extraction followed by miniaturized membrane assisted solvent extraction for the green analysis of alkylphenols in sediments. <i>Journal of Chromatography A</i> , 2015, 1383, 8-17.	1.8	22
24	Green, environment-friendly, analytical tools give insights in pharmaceuticals and cosmetics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 66, 176-192.	5.8	106
25	Acetone as a greener alternative to acetonitrile in liquid chromatographic fingerprinting. <i>Journal of Separation Science</i> , 2015, 38, 1458-1465.	1.3	36
26	Using an innovative combination of quality-by-design and green analytical chemistry approaches for the development of a stability indicating UHPLC method in pharmaceutical products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 114-122.	1.4	46
27	Scoring of solvents used in analytical laboratories by their toxicological and exposure hazards. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 169-173.	2.9	41
28	Recent achievements in solidified floating organic drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 48-77.	5.8	88
29	Multicriteria decision analysis in ranking of analytical procedures for aldrin determination in water. <i>Journal of Chromatography A</i> , 2015, 1387, 116-122.	1.8	41
30	Perspectives on the replacement of harmful organic solvents in analytical methodologies: a framework toward the implementation of a generation of eco-friendly alternatives. <i>Green Chemistry</i> , 2015, 17, 3687-3705.	4.6	189
31	Ultra-high-performance liquid chromatography–Time-of-flight high resolution mass spectrometry to quantify acidic drugs in wastewater. <i>Journal of Chromatography A</i> , 2015, 1423, 96-103.	1.8	25
32	Analytical Procedure for the Determination of Zearalenone in Environmental and Biological Samples. <i>Critical Reviews in Analytical Chemistry</i> , 2015, 45, 119-130.	1.8	35
33	A novel fatty-acid-based in-tube dispersive liquid–liquid microextraction technique for the rapid determination of nonylphenol and 4-tert-octylphenol in aqueous samples using high-performance liquid chromatography–ultraviolet detection. <i>Analytica Chimica Acta</i> , 2015, 854, 70-77.	2.6	61
34	Green approach using monolithic column for simultaneous determination of coformulated drugs. <i>Journal of Separation Science</i> , 2016, 39, 2114-2122.	1.3	18
35	New insights into liquid chromatography for more eco-friendly analysis of pharmaceuticals. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6929-6944.	1.9	54
36	Experimental and chemometric strategies for the development of Green Analytical Chemistry (GAC) spectroscopic methods for the determination of organic pollutants in natural waters. <i>Sustainable Chemistry and Pharmacy</i> , 2016, 4, 1-12.	1.6	38
37	Ionic liquids in chromatographic and electrophoretic techniques: toward additional improvements in the separation of natural compounds. <i>Green Chemistry</i> , 2016, 18, 4582-4604.	4.6	52

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38	Inter-laboratory validation of automated SPME-GC/MS for determination of pesticides in surface and ground water samples: sensitive and green alternative to liquid-liquid extraction. <i>Water Quality Research Journal of Canada</i> , 2016, 51, 331-343.	1.2	27
39	Metrics for green analytical chemistry. <i>Analytical Methods</i> , 2016, 8, 2993-2999.	1.3	249
40	Hasse diagram as a green analytical metrics tool: ranking of methods for benzo[a]pyrene determination in sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3833-3841.	1.9	20
41	Just-Dip-It (Potentiometric Ion-Selective Electrode): An Innovative Way of Greening Analytical Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3122-3132.	3.2	41
42	A new method for the determination of total furanic aldehyde compounds in Brazilian cachaça samples using liquid-liquid extraction and UV detection. <i>Analytical Methods</i> , 2016, 8, 7047-7053.	1.3	8
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45	Rapid screening of wheat bran contaminated by deoxynivalenol mycotoxin using Raman spectroscopy: a preliminary experiment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
46	A critical review of solid phase microextraction for analysis of water samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 133-143.	5.8	162
47	Simultaneous determination of polycyclic aromatic hydrocarbon quinones by gas chromatography-tandem mass spectrometry, following a one-pot reductive trimethylsilyl derivatization. <i>Journal of Chromatography A</i> , 2016, 1459, 89-100.	1.8	22
48	Green near-infrared determination of copper and mancozeb in pesticide formulations. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1259-1268.	1.9	3
49	Determination of tea tree oil terpenes by headspace gas chromatography mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 4576-4583.	1.3	8
50	Non-chromatographic speciation of mercury in mushrooms. <i>Analytical Methods</i> , 2016, 8, 1774-1779.	1.3	10
51	Determination of Hormones in Wastewater Using Rotating Disk Sorptive Extraction and Gas Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2016, 49, 1344-1358.	1.0	13
52	Green direct determination of mineral elements in artichokes by infrared spectroscopy and X-ray fluorescence. <i>Food Chemistry</i> , 2016, 196, 1023-1030.	4.2	28
53	Do we need Green Analytical Chemistry?. <i>Green Chemistry</i> , 2016, 18, 923-931.	4.6	105
54	Current approaches in sample preparation for trace analysis of selected endocrine-disrupting compounds: Focus on polychlorinated biphenyls, alkylphenols, and parabens. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 209-226.	5.8	45
55	Authentication of protected designation of origin artichokes by spectroscopy methods. <i>Food Control</i> , 2016, 59, 74-81.	2.8	18
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58	Microwaves for Greener Extraction. , 2017, , 253-300.		7
59	Inter-laboratory validation of a thin film microextraction technique for determination of pesticides in surface water samples. <i>Analytica Chimica Acta</i> , 2017, 964, 74-84.	2.6	54
60	Graphene oxide/Fe ₃ O ₄ as sorbent for magnetic solid-phase extraction coupled with liquid chromatography to determine 2,4,6-trinitrotoluene in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2665-2674.	1.9	41
61	Green Analytical Techniques: Novel and Aboriginal Perspectives on Sustainable Development. , 2017, , 365-394.		1
62	Methylmercury determination in seafood by photochemical vapor generation capacitively coupled plasma microtorch optical emission spectrometry. <i>Talanta</i> , 2017, 170, 464-472.	2.9	22
63	Agarose-chitosan-C18 film micro-solid phase extraction combined with high performance liquid chromatography for the determination of phenanthrene and pyrene in chrysanthemum tea samples. <i>Food Chemistry</i> , 2017, 222, 28-34.	4.2	34
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66	Burned bones forensic investigations employing near infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2017, 90, 21-30.	1.2	22
67	Comparison of Two Stability-Indicating Chromatographic Methods for the Determination of Mirabegron in Presence of Its Degradation Product. <i>Chromatographia</i> , 2017, 80, 99-107.	0.7	8
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70	Green chemistry: Analytical and chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 839-852.	0.5	58
71	Quantification of VOC emissions from paint spraying on a construction site using solid phase microextraction devices. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 1158-1163.	0.9	8
72	A comparison of the parameters of the chromatographic separation of the mixture of dyes obtained by caLC on the adsorbents type RP-8 and RP-18. <i>Adsorption Science and Technology</i> , 2017, 35, 684-691.	1.5	0
73	Validated Chromatographic Methods for the Simultaneous Determination of Sulfacetamide Sodium and Prednisolone Acetate in their Ophthalmic Suspension. <i>Journal of Chromatographic Science</i> , 2017, 55, 1000-1005.	0.7	12
74	A derivatisation agent selection guide. <i>Green Chemistry</i> , 2017, 19, 5911-5922.	4.6	22

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75	Fourier transform infrared analysis of commercial formulations for Varroa treatment. <i>Analytical Methods</i> , 2017, 9, 6574-6582.	1.3	2
76	Green microwave-assisted wet digestion method of carbohydrate-rich foods with hydrogen peroxide using single reaction chamber and further elemental determination using ICP-OES and ICP-MS. <i>Microchemical Journal</i> , 2017, 134, 257-261.	2.3	36
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82	A rapid, eco-friendly, and reliable microplate method for determination of Cr(VI). <i>Turkish Journal of Chemistry</i> , 2017, 41, 420-425.	0.5	6
83	Determination of amphetamine-type stimulants (ATSS) and synthetic cathinones in urine using solid phase micro-extraction fibre tips and gas chromatography-mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 1431-1440.	1.3	54
84	Magnetic molecularly imprinted polymers for the selective determination of cocaine by ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2018, 1545, 22-31.	1.8	39
85	Chemometrics-assisted spectrophotometric green method for correcting interferences in biowaiver studies: Application to assay and dissolution profiling study of donepezil hydrochloride tablets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 328-339.	2.0	10
86	A highly sensitive eco-scale method for mercury determination in water and food using photochemical vapor generation and miniaturized instrumentation for capacitively coupled plasma microtorch optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 799-808.	1.6	15
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94	A new tool for the evaluation of the analytical procedure: Green Analytical Procedure Index. <i>Talanta</i> , 2018, 181, 204-209.	2.9	991

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97	Combined extraction and microextraction techniques: Recent trends and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 74-86.	5.8	84
98	Green gas chromatographic stability-indicating method for the determination of Lacosamide in tablets. Application to in-vivo human urine profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 75-85.	1.2	14
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100	Determination of fatty acids and lipid classes in salmon oil by near infrared spectroscopy. <i>Food Chemistry</i> , 2018, 239, 865-871.	4.2	37
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108	Optimization of Time-Weighted Average Air Sampling by Solid-Phase Microextraction Fibers Using Finite Element Analysis Software. <i>Molecules</i> , 2018, 23, 2736.	1.7	12
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112	Residue and Dietary Risk Assessment of Chiral Cyflumetofen in Apple. <i>Molecules</i> , 2018, 23, 1060.	1.7	15
113	Comparison of Two Methods for the Determination of Selected Pesticides in Honey and Honeybee Samples. <i>Molecules</i> , 2018, 23, 2582.	1.7	17

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114	Development and validation of eco-friendly strategies based on thin film microextraction for water analysis. <i>Journal of Chromatography A</i> , 2018, 1579, 20-30.	1.8	39
115	Chemical Profiles and Simultaneous Quantification of <i>Aurantii fructus</i> by Use of HPLC-Q-TOF-MS Combined with GC-MS and HPLC Methods. <i>Molecules</i> , 2018, 23, 2189.	1.7	47
116	Dispersive liquid-liquid microextraction based binary extraction techniques prior to chromatographic analysis: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 167-182.	5.8	82
117	Recent trends in microextraction techniques used in determination of arsenic species. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 121-136.	5.8	39
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124	Greening Reversed-Phase Liquid Chromatography Methods Using Alternative Solvents for Pharmaceutical Analysis. <i>Molecules</i> , 2018, 23, 1065.	1.7	118
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126	Fast authentication of tea tree oil through spectroscopy. <i>Talanta</i> , 2018, 189, 404-410.	2.9	21
127	In Situ Derivatization of (<i>RS</i>)-Mexiletine and Enantioseparation Using Micellar Liquid Chromatography: A Green Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11653-11661.	3.2	17
128	Electromembrane extraction of biogenic amines in food samples by a microfluidic-chip system followed by dabsyl derivatization prior to high performance liquid chromatography analysis. <i>Journal of Chromatography A</i> , 2018, 1556, 21-28.	1.8	42
129	Extraction techniques with deep eutectic solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 225-239.	5.8	469
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133	Simultaneous determination of aflatoxin B1 and zearalenone by magnetic nanoparticle filled amino-modified multi-walled carbon nanotubes. <i>Analytical Methods</i> , 2018, 10, 3353-3363.	1.3	30
134	Fast and environmental-friendly methods for the determination of polybrominated diphenyl ethers and their metabolites in fish tissues and feed. <i>Science of the Total Environment</i> , 2019, 646, 1503-1515.	3.9	31
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136	Development, Optimization and Applications of Thin Film Solid Phase Microextraction (TF-SPME) Devices for Thermal Desorption: A Comprehensive Review. <i>Separations</i> , 2019, 6, 39.	1.1	45
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139	Mixed micellar liquid chromatographic method for simultaneous determination of norfloxacin and tinidazole in pharmaceutical tablets. <i>Microchemical Journal</i> , 2019, 150, 104151.	2.3	26
140	History and Milestones of Green Analytical Chemistry. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 1-17.	0.4	8
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143	What Color Is Your Method? Adaptation of the RGB Additive Color Model to Analytical Method Evaluation. <i>Analytical Chemistry</i> , 2019, 91, 10343-10352.	3.2	147
144	Membrane-Based Clarification and Fractionation of Red Wine Lees Aqueous Extracts. <i>Polymers</i> , 2019, 11, 1089.	2.0	15
145	Simultaneous determination of three carbamate pesticides using vortex-assisted liquidâ€”liquid microextraction combined with HPLC-amperometric detection. <i>Microchemical Journal</i> , 2019, 150, 104071.	2.3	26
146	Solvent-Free, Mechanochemically Scalable Synthesis of 2,3-Dihydroquinazolin-4(1H)-one Using BrÃ¸nsted Acid Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13551-13558.	3.2	47
147	A critical review on regulatory sample preparation methods: Validating solid-phase microextraction techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115618.	5.8	58
148	A green analytical method for ultratrace determination of hexavalent chromium ions based on micro-solid phase extraction using amino-silanized cellulose membranes. <i>Microchemical Journal</i> , 2019, 149, 104060.	2.3	25
149	Ambient mass spectrometry from the point of view of Green Analytical Chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 19, 50-60.	3.2	13

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150	A Validated Ultra-Performance Liquid Chromatographic Method for the Simultaneous Determination of Nadifloxacin, Mometasone Furoate and Miconazole Nitrate in Their Combined Dosage Form and Spiked Human Plasma Samples. <i>Journal of Chromatographic Science</i> , 2019, 57, 867-873.	0.7	5
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