Andrzej Przyjazny

List of Publications by Year
in descending order

54	2,893	218677	161849
papers	citations	26 h-index	54 g-index

55	55	55	2504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wastewater treatment by means of advanced oxidation processes based on cavitation â€“ A review. Chemical Engineering Journal, 2018, 338, 599-627.	12.7	550
2	Single drop microextractionâ€”Development, applications and future trends. Journal of Chromatography A, 2010, 1217, 2326-2336.	3.7	246
3	Hydrophobic deep eutectic solvents as â€œgreenâ€•extraction media for polycyclic aromatic hydrocarbons in aqueous samples. Journal of Chromatography A, 2018, 1570, 28-37.	3.7	240
4	Analytical characteristics of the determination of benzene, toluene, ethylbenzene and xylenes in water by headspace solvent microextraction. Journal of Chromatography A, 2002, 977, 143-153.	3.7	157
5	Hydrodynamic cavitation based advanced oxidation processes: Studies on specific effects of inorganic acids on the degradation effectiveness of organic pollutants. Journal of Molecular Liquids, 2020, 307, 113002.	4.9	116
6	Effective method of treatment of effluents from production of bitumens under basic pH conditions using hydrodynamic cavitation aided by external oxidants. Ultrasonics Sonochemistry, 2018, 40, 969-979.	8.2	114
7	Characteristics of volatile organic compounds emission profiles from hot road bitumens. Chemosphere, 2014, 107, 23-30.	8.2	93
8	Effective method of treatment of industrial effluents under basic pH conditions using acoustic cavitation â€“ A comprehensive comparison with hydrodynamic cavitation processes. Chemical Engineering and Processing: Process Intensification, 2018, 128, 103-113.	3.6	85
9	Highly effective degradation of selected groups of organic compounds by cavitation based AOPs under basic pH conditions. Ultrasonics Sonochemistry, 2018, 45, 257-266.	8.2	84
10	Analytical Applications of Membrane Extraction for Biomedical and Environmental Liquid Sample Preparation. Critical Reviews in Analytical Chemistry, 2005, 35, 217-235.	3.5	70
11	Sample preparation procedure using extraction and derivatization of carboxylic acids from aqueous samples by means of deep eutectic solvents for gas chromatographic-mass spectrometric analysis. Journal of Chromatography A, 2018, 1555, 10-19.	3.7	70
12	Effective degradation of sulfide ions and organic sulfides in cavitation-based advanced oxidation processes (AOPs). Ultrasonics Sonochemistry, 2019, 58, 104610.	8.2	67
13	Methods of assaying volatile oxygenated organic compounds in effluent samples by gas chromatographyâ€”A review. Journal of Chromatography A, 2019, 1592, 143-160.	3.7	62
14	First deep eutectic solvent-based (DES) stationary phase for gas chromatography and future perspectives for DES application in separation techniques. Journal of Chromatography A, 2021, 1635, 461701.	3.7	53
15	Application of Passive Samplers in Monitoring of Organic Constituents of Air. Critical Reviews in Analytical Chemistry, 2007, 37, 51-78.	3.5	43
16	Headspace microdrop analysisâ€”an alternative test method for gasoline diluent and benzene, toluene, ethylbenzene and xylenes in used engine oils. Journal of Chromatography A, 2003, 983, 205-214.	3.7	41
17	Application of dispersive liquidâ€“liquid microextraction and gas chromatography with mass spectrometry for the determination of oxygenated volatile organic compounds in effluents from the production of petroleum bitumen. Journal of Separation Science, 2016, 39, 2604-2615.	2.5	41
18	Application of dynamic headspace and gas chromatography coupled to mass spectrometry (DHS-GC-MS) for the determination of oxygenated volatile organic compounds in refinery effluents. Analytical Methods, 2016, 8, 3570-3577.	2.7	39

#	Article	IF	Citations
19	Biological Fluids as a Source of Information on the Exposure of Man to Environmental Chemical Agents. Critical Reviews in Analytical Chemistry, 2004, 34, 105-119.	3.5	38
20	Sample preparation procedure for the determination of polycyclic aromatic hydrocarbons in petroleum vacuum residue and bitumen. Analytical and Bioanalytical Chemistry, 2011, 401, 1059-1069.	3.7	38
21	New Procedures for Control of Industrial Effluents Treatment Processes. Industrial & Engineering Chemistry Research, 2014, 53, 1503-1514.	3.7	38
22	Development of Techniques of Generation of Gaseous Standard Mixtures. Critical Reviews in Analytical Chemistry, 2005, 35, 31-55.	3.5	37
23	Progress in Development of Molecularly Imprinted Polymers as Sorbents for Sample Preparation. Critical Reviews in Analytical Chemistry, 2009, 39, 43-58.	3.5	37
24	Process Control and Investigation of Oxidation Kinetics of Postoxidative Effluents Using Gas Chromatography with Pulsed Flame Photometric Detection (GC-PFPD). Industrial & Engineering Chemistry Research, 2010, 49, 12654-12662.	3.7	34
25	Synthesis of sol-gel mesoporous silica materials providing a slow release of doxorubicin. Journal of Microencapsulation, 2007, 24, 694-713.	2.8	33
26	A new procedure for the determination of distillation temperature distribution of high-boiling petroleum products and fractions. Analytical and Bioanalytical Chemistry, 2011, 399, 3253-3260.	3.7	27
27	A natural deep eutectic solvent - protonated L-proline-xylitol - based stationary phase for gas chromatography. Journal of Chromatography A, 2022, 1676, 463238.	3.7	27
28	Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay. Journal of Chromatography A, 1993, 654, 79-86.	3.7	26
29	New procedure for the control of the treatment of industrial effluents to remove volatile organosulfur compounds. Journal of Separation Science, 2016, 39, 3946-3956.	2.5	26
30	Novel â€œacid tunedâ€•deep eutectic solvents based on protonated L-proline. Journal of Molecular Liquids, 2021, 333, 115965.	4.9	25
31	Sources of Errors Associated with the Determination of PAH and PCB Analytes in Water Samples. Analytical Letters, 2006, 39, 2317-2331.	1.8	24
32	New procedure for the examination of the degradation of volatile organonitrogen compounds during the treatment of industrial effluents. Journal of Separation Science, 2017, 40, 1301-1309.	2.5	23
33	Application of high-performance liquid chromatography with ultraviolet diode array detection and refractive index detection to the determination of class composition and to the analysis of gasoline. Journal of Chromatography A, 2004, 1029, 77-85.	3.7	22
34	Calibration of the thermal desorption-gas chromatography-mass spectrometry system using standards generated in the process of thermal decomposition of chemically modified silica gel. Journal of Chromatography A, 1996, 742, 175-179.	3.7	21
35	Thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures containing ammonia and amines. Mikrochimica Acta, 1997, 127, 211-217.	5.0	21
36	High-performance liquid chromatographic postcolumn reaction detection based on a competitive binding system. Analytical Chemistry, 1990, 62, 2536-2540.	6.5	20

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37	Novel stationary phases based on asphaltenes for gas chromatography. Journal of Separation Science, 2016, 39, 2527-2536.	2.5	19
38	Utilization of thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures used in the calibration of gas analysers. Analyst, The, 1995, 120, 2041-2046.	3.5	18
39	Competitive-binding approach to liquid chromatographic postcolumn reactions with fluorimetric detection. Analytica Chimica Acta, 1991, 246, 103-112.	5.4	17
40	Application of normal-phase high-performance liquid chromatography followed by gas chromatography for analytics of diesel fuel additives. Analytical and Bioanalytical Chemistry, 2013, 405, 6095-6103.	3.7	17
41	Determination of modifier contents in polymer-modified bitumens and in samples collected from the roads using high-performance gel permeation/size-exclusion chromatography. Road Materials and Pavement Design, 2016, 17, 547-562.	4.0	17
42	Quartz Rod Coated with Modified Silica Gel as a Source of CO and CO2 for Standard Gaseous Mixtures. Journal of High Resolution Chromatography, 1998, 21, 303-307.	1.4	13
43	Utilization of a solâ€“gel method for encapsulation of doxorubicin. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 343-356.	3.5	10
44	In Vitro Measurement of Conformational Stability of Fibrinogen Adsorbed on Siloxane. Biomacromolecules, 2005, 6, 39-45.	5.4	10
45	Synthesis and application of doxorubicin-loaded silica gels as solid materials for spectral analysis. Talanta, 2005, 65, 663-671.	5.5	10
46	Amperometric detection after HPLC separation of selected polypeptides and proteins at an electrode modified by mixed valent ruthenium oxide crosslinked with cyanide. Electroanalysis, 1993, 5, 657-661.	2.9	9
47	Application of Different Sampling Procedures in Studies of Composition of Various Types of Runoff Watersâ€”A Review. Critical Reviews in Analytical Chemistry, 2007, 37, 91-105.	3.5	9
48	Sizeâ€exclusion chromatography for the determination of the boiling point distribution of highâ€boiling petroleum fractions. Journal of Separation Science, 2015, 38, 741-748.	2.5	9
49	Preparation of Gaseous Standard Mixtures: Methods for Controlling the Amount of Components Generated in the Process of Thermal Decomposition of Immobilized Compounds. Critical Reviews in Analytical Chemistry, 2003, 33, 249-267.	3.5	8
50	New Simple and Robust Method for Determination of Polarity of Deep Eutectic Solvents (DESs) by Means of Contact Angle Measurement. Molecules, 2022, 27, 4198.	3.8	6
51	The measurement of conformational stability of proteins adsorbed on siloxanes. Journal of Biomaterials Science, Polymer Edition, 2003, 14, 103-118.	3.5	5
52	Studies of the separation performance of silanized silica gel for simulated distillation. Journal of Separation Science, 2016, 39, 748-755.	2.5	3
53	Liquid-Phase Microextraction. , 2017, , .		2
54	Electrochemistry of biopolymers. TrAC - Trends in Analytical Chemistry, 1992, 11, 298-302.	11.4	1