

Andrzej Przyjazny

List of Publications by Year in descending order

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54
papers

2,893
citations

218677

26
h-index

161849

54
g-index

55
all docs

55
docs citations

55
times ranked

2504
citing authors

#	ARTICLE	IF	CITATIONS
1	A natural deep eutectic solvent - protonated L-proline-xylitol - based stationary phase for gas chromatography. <i>Journal of Chromatography A</i> , 2022, 1676, 463238.	3.7	27
2	New Simple and Robust Method for Determination of Polarity of Deep Eutectic Solvents (DESS) by Means of Contact Angle Measurement. <i>Molecules</i> , 2022, 27, 4198.	3.8	6
3	First deep eutectic solvent-based (DES) stationary phase for gas chromatography and future perspectives for DES application in separation techniques. <i>Journal of Chromatography A</i> , 2021, 1635, 461701.	3.7	53
4	Novel "acid tuned" deep eutectic solvents based on protonated L-proline. <i>Journal of Molecular Liquids</i> , 2021, 333, 115965.	4.9	25
5	Hydrodynamic cavitation based advanced oxidation processes: Studies on specific effects of inorganic acids on the degradation effectiveness of organic pollutants. <i>Journal of Molecular Liquids</i> , 2020, 307, 113002.	4.9	116
6	Effective degradation of sulfide ions and organic sulfides in cavitation-based advanced oxidation processes (AOPs). <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104610.	8.2	67
7	Methods of assaying volatile oxygenated organic compounds in effluent samples by gas chromatography – A review. <i>Journal of Chromatography A</i> , 2019, 1592, 143-160.	3.7	62
8	Highly effective degradation of selected groups of organic compounds by cavitation based AOPs under basic pH conditions. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 257-266.	8.2	84
9	Effective method of treatment of industrial effluents under basic pH conditions using acoustic cavitation – A comprehensive comparison with hydrodynamic cavitation processes. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 128, 103-113.	3.6	85
10	Wastewater treatment by means of advanced oxidation processes based on cavitation – A review. <i>Chemical Engineering Journal</i> , 2018, 338, 599-627.	12.7	550
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. <i>Journal of Chromatography A</i> , 2018, 1555, 10-19.	3.7	70
12	Effective method of treatment of effluents from production of bitumens under basic pH conditions using hydrodynamic cavitation aided by external oxidants. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 969-979.	8.2	114
13	Hydrophobic deep eutectic solvents as "green" extraction media for polycyclic aromatic hydrocarbons in aqueous samples. <i>Journal of Chromatography A</i> , 2018, 1570, 28-37.	3.7	240
14	New procedure for the examination of the degradation of volatile organonitrogen compounds during the treatment of industrial effluents. <i>Journal of Separation Science</i> , 2017, 40, 1301-1309.	2.5	23
15	Liquid-Phase Microextraction. , 2017, , .		2
16	Studies of the separation performance of silanized silica gel for simulated distillation. <i>Journal of Separation Science</i> , 2016, 39, 748-755.	2.5	3
17	Application of dispersive liquid-liquid microextraction and gas chromatography with mass spectrometry for the determination of oxygenated volatile organic compounds in effluents from the production of petroleum bitumen. <i>Journal of Separation Science</i> , 2016, 39, 2604-2615.	2.5	41
18	New procedure for the control of the treatment of industrial effluents to remove volatile organosulfur compounds. <i>Journal of Separation Science</i> , 2016, 39, 3946-3956.	2.5	26

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19	Novel stationary phases based on asphaltenes for gas chromatography. <i>Journal of Separation Science</i> , 2016, 39, 2527-2536.	2.5	19
20	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. <i>Analytical Methods</i> , 2016, 8, 3570-3577.	2.7	39
21	Determination of modifier contents in polymer-modified bitumens and in samples collected from the roads using high-performance gel permeation/size-exclusion chromatography. <i>Road Materials and Pavement Design</i> , 2016, 17, 547-562.	4.0	17
22	Size-exclusion chromatography for the determination of the boiling point distribution of high-boiling petroleum fractions. <i>Journal of Separation Science</i> , 2015, 38, 741-748.	2.5	9
23	New Procedures for Control of Industrial Effluents Treatment Processes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1503-1514.	3.7	38
24	Characteristics of volatile organic compounds emission profiles from hot road bitumens. <i>Chemosphere</i> , 2014, 107, 23-30.	8.2	93
25	Application of normal-phase high-performance liquid chromatography followed by gas chromatography for analytics of diesel fuel additives. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6095-6103.	3.7	17
26	A new procedure for the determination of distillation temperature distribution of high-boiling petroleum products and fractions. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3253-3260.	3.7	27
27	Sample preparation procedure for the determination of polycyclic aromatic hydrocarbons in petroleum vacuum residue and bitumen. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1059-1069.	3.7	38
28	Single drop microextraction—Development, applications and future trends. <i>Journal of Chromatography A</i> , 2010, 1217, 2326-2336.	3.7	246
29	Process Control and Investigation of Oxidation Kinetics of Postoxidative Effluents Using Gas Chromatography with Pulsed Flame Photometric Detection (GC-PFPD). <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12654-12662.	3.7	34
30	Progress in Development of Molecularly Imprinted Polymers as Sorbents for Sample Preparation. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 43-58.	3.5	37
31	Application of Passive Samplers in Monitoring of Organic Constituents of Air. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 51-78.	3.5	43
32	Application of Different Sampling Procedures in Studies of Composition of Various Types of Runoff Waters—A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 91-105.	3.5	9
33	Synthesis of sol-gel mesoporous silica materials providing a slow release of doxorubicin. <i>Journal of Microencapsulation</i> , 2007, 24, 694-713.	2.8	33
34	Sources of Errors Associated with the Determination of PAH and PCB Analytes in Water Samples. <i>Analytical Letters</i> , 2006, 39, 2317-2331.	1.8	24
35	In Vitro Measurement of Conformational Stability of Fibrinogen Adsorbed on Siloxane. <i>Biomacromolecules</i> , 2005, 6, 39-45.	5.4	10
36	Development of Techniques of Generation of Gaseous Standard Mixtures. <i>Critical Reviews in Analytical Chemistry</i> , 2005, 35, 31-55.	3.5	37

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37	Synthesis and application of doxorubicin-loaded silica gels as solid materials for spectral analysis. <i>Talanta</i> , 2005, 65, 663-671.	5.5	10
38	Analytical Applications of Membrane Extraction for Biomedical and Environmental Liquid Sample Preparation. <i>Critical Reviews in Analytical Chemistry</i> , 2005, 35, 217-235.	3.5	70
39	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. <i>Journal of Chromatography A</i> , 2004, 1029, 77-85.	3.7	22
40	Biological Fluids as a Source of Information on the Exposure of Man to Environmental Chemical Agents. <i>Critical Reviews in Analytical Chemistry</i> , 2004, 34, 105-119.	3.5	38
41	Utilization of a sol-gel method for encapsulation of doxorubicin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 343-356.	3.5	10
42	Headspace microdrop analysis—an alternative test method for gasoline diluent and benzene, toluene, ethylbenzene and xylenes in used engine oils. <i>Journal of Chromatography A</i> , 2003, 983, 205-214.	3.7	41
43	Preparation of Gaseous Standard Mixtures: Methods for Controlling the Amount of Components Generated in the Process of Thermal Decomposition of Immobilized Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2003, 33, 249-267.	3.5	8
44	The measurement of conformational stability of proteins adsorbed on siloxanes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 103-118.	3.5	5
45	Analytical characteristics of the determination of benzene, toluene, ethylbenzene and xylenes in water by headspace solvent microextraction. <i>Journal of Chromatography A</i> , 2002, 977, 143-153.	3.7	157
46	Quartz Rod Coated with Modified Silica Gel as a Source of CO and CO ₂ for Standard Gaseous Mixtures. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 303-307.	1.4	13
47	Thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures containing ammonia and amines. <i>Mikrochimica Acta</i> , 1997, 127, 211-217.	5.0	21
48	Calibration of the thermal desorption-gas chromatography-mass spectrometry system using standards generated in the process of thermal decomposition of chemically modified silica gel. <i>Journal of Chromatography A</i> , 1996, 742, 175-179.	3.7	21
49	Utilization of thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures used in the calibration of gas analysers. <i>Analyst</i> , 1995, 120, 2041-2046.	3.5	18
50	Amperometric detection after HPLC separation of selected polypeptides and proteins at an electrode modified by mixed valent ruthenium oxide crosslinked with cyanide. <i>Electroanalysis</i> , 1993, 5, 657-661.	2.9	9
51	Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay. <i>Journal of Chromatography A</i> , 1993, 654, 79-86.	3.7	26
52	Electrochemistry of biopolymers. <i>TrAC - Trends in Analytical Chemistry</i> , 1992, 11, 298-302.	11.4	1
53	Competitive-binding approach to liquid chromatographic postcolumn reactions with fluorimetric detection. <i>Analytica Chimica Acta</i> , 1991, 246, 103-112.	5.4	17
54	High-performance liquid chromatographic postcolumn reaction detection based on a competitive binding system. <i>Analytical Chemistry</i> , 1990, 62, 2536-2540.	6.5	20