

Adam Kloskowski

List of Publications by Year in descending order

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45
papers

1,638
citations

361045

20
h-index

288905

40
g-index

49
all docs

49
docs citations

49
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	Current trends in solid-phase microextraction (SPME) fibre coatings. <i>Chemical Society Reviews</i> , 2010, 39, 4524.	18.7	262
2	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
3	Understanding Solid-Phase Microextraction: Key Factors Influencing the Extraction Process and Trends in Improving the Technique. <i>Chemical Reviews</i> , 2013, 113, 1667-1685.	23.0	171
4	Analytical applications and physicochemical properties of ionic liquid-based hybrid materials: A review. <i>Analytica Chimica Acta</i> , 2019, 1054, 1-16.	2.6	99
5	Ionic liquids in the microextraction techniques: The influence of ILs structure and properties. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115994.	5.8	67
6	Application of ionic liquids in microextraction techniques: Current trends and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115614.	5.8	66
7	Opportunities and shortcomings of ionic liquids in single-drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 72, 153-168.	5.8	59
8	Application of Ionic Liquids in Amperometric Gas Sensors. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 122-138.	1.8	53
9	Membrane Solid-Phase Microextraction—A New Concept of Sorbent Preparation. <i>Analytical Chemistry</i> , 2009, 81, 7363-7367.	3.2	47
10	Polyethylene glycol-coated solid-phase microextraction fibres for the extraction of polar analytes—A review. <i>Talanta</i> , 2011, 87, 1-7.	2.9	41
11	Progress in Development of Molecularly Imprinted Polymers as Sorbents for Sample Preparation. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 43-58.	1.8	37
12	Silica-Based Ionogels: Nanoconfined Ionic Liquid-Rich Fibers for Headspace Solid-Phase Microextraction Coupled with Gas Chromatography—Barrier Discharge Ionization Detection. <i>Analytical Chemistry</i> , 2014, 86, 11640-11648.	3.2	34
13	Sol-Gel Technique—A Versatile Tool for Adsorbent Preparation. <i>Critical Reviews in Analytical Chemistry</i> , 2010, 40, 172-186.	1.8	33
14	Apparent Molar Volumes and Expansivities of Ionic Liquids Based on <i>N</i> -Alkyl- <i>N</i> -methylmorpholinium Cations in Acetonitrile. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 718-725.	1.0	32
15	Density, sound velocity, viscosity, and refractive index of new morpholinium ionic liquids with amino acid-based anions: Effect of temperature, alkyl chain length, and anion. <i>Journal of Molecular Liquids</i> , 2019, 284, 557-568.	2.3	32
16	Denudation—A Convenient Method of Isolation and Enrichment of Analytes. <i>Critical Reviews in Analytical Chemistry</i> , 2002, 32, 301-335.	1.8	31
17	Porous material-based sorbent coatings in solid-phase microextraction technique: Recent trends and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116386.	5.8	31
18	Modern Techniques of Sample Preparation for Determination of Organic Analytes by Gas Chromatography. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 15-38.	1.8	29

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19	Prototype of electrochemical sensor for measurements of volatile organic compounds in gases. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1173-1179.	4.0	27
20	Automated high-capacity sorption probe for extraction of organic compounds in aqueous samples followed by gas chromatographic analysis. <i>Journal of Chromatography A</i> , 2004, 1033, 339-347.	1.8	24
21	Ionic liquids in extraction techniques: Determination of pesticides in food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116396.	5.8	22
22	Ionogel fibres of bis(trifluoromethanesulfonyl)imide anion-based ionic liquids for the headspace solid-phase microextraction of chlorinated organic pollutants. <i>Analyst, The</i> , 2015, 140, 7417-7422.	1.7	21
23	Indirect Determination of MCPD Fatty Acid Esters in Lipid Fractions of Commercially Available Infant Formulas for the Assessment of Infants'™ Health Risk. <i>Food Analytical Methods</i> , 2016, 9, 3460-3469.	1.3	20
24	Determination of volatile organic compounds in water samples using membrane-solid phase microextraction (M-SPME) (headspace version). <i>Analyst, The</i> , 2013, 138, 5099.	1.7	17
25	Partition coefficients of selected environmentally important volatile organic compounds determined by gas-liquid chromatography with polydimethylsiloxane stationary phase. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 21-29.	1.0	16
26	Effect of oxygenation time on signal of a sensor based on ionic liquids. <i>Electrochimica Acta</i> , 2011, 56, 9910-9915.	2.6	15
27	Measurement of activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-hexyl-1,4-diaza[2.2.2]bicyclooctanium bis(trifluoromethylsulfonyl)imide using gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2014, 71, 84-90.	1.0	15
28	Evaluation of polycaprolactone as a new sorbent coating for determination of polar organic compounds in water samples using membrane-SPME. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1205-1215.	1.9	15
29	Interactions of N-alkyl-N-methylmorpholinium based ionic liquids with acetonitrile studied by density and velocity of sound measurements and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2019, 286, 110875.	2.3	12
30	The new silica-based coated SPME fiber as universal support for the confinement of ionic liquid as an extraction medium. <i>Separation and Purification Technology</i> , 2020, 252, 117411.	3.9	12
31	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide – A volumetric and acoustic study. <i>Journal of Chemical Thermodynamics</i> , 2017, 104, 91-101.	1.0	11
32	Using different types of capillary chromatographic columns as denudation traps: a comparison of sorption properties. <i>Journal of Chromatography A</i> , 2002, 977, 115-123.	1.8	10
33	Electrochemical Sensor for Measurement of Volatile Organic Compounds Employing Square Wave Perturbation Voltage. <i>Metrology and Measurement Systems</i> , 2010, 17, 637-649.	1.4	9
34	Polymeric metal-containing ionic liquid sorbent coating for the determination of amines using headspace solid-phase microextraction. <i>Journal of Separation Science</i> , 2021, 44, 2620-2630.	1.3	9
35	Development of SPME fiber coatings with tunable porosity for physical confinement of ionic liquids as an extraction media. <i>Microchemical Journal</i> , 2022, 178, 107392.	2.3	9
36	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide – volumetric and compressibility studies. <i>Journal of Chemical Thermodynamics</i> , 2015, 88, 36-43.	1.0	8

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37	Ionogel sorbent coatings for determining organophosphorus and pyrethroid insecticides in water and fresh juice samples by headspace-solid phase microextraction. <i>Journal of Food Composition and Analysis</i> , 2021, 102, 104076.	1.9	8
38	Thick film traps with an irregular film. <i>Journal of Chromatography A</i> , 2004, 1035, 159-165.	1.8	7
39	Physical and Thermophysical Properties of 1-Hexyl-1,4-diaza[2.2.2]bicyclooctanium Bis(trifluoromethylsulfonyl)imide Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 585-591.	1.0	7
40	Solvation of ionic liquids based on N -methyl- N -alkylmorpholinium cations in N,N -dimethylformamide and N,N -dimethylacetamide – Volumetric and compressibility studies. <i>Journal of Chemical Thermodynamics</i> , 2018, 119, 92-101.	1.0	7
41	Ultra thick film open tubular traps with an increased inner diameter. <i>Journal of Chromatography A</i> , 2004, 1047, 93-99.	1.8	6
42	Tuning the extraction properties of ionogel-coated Solid-phase microextraction fibers based on the solvation properties of the ionic liquids. <i>Separation and Purification Technology</i> , 2020, 247, 116988.	3.9	6
43	Measurements of Activity Coefficients at Infinite Dilution for Organic Solutes in the Ionic Liquids N-Ethyl- and N-Octyl-N-methylmorpholinium Bis(trifluoromethanesulfonyl)imide. A Useful Tool for Solvent Selection. <i>Molecules</i> , 2020, 25, 634.	1.7	6
44	Impact of the Alkyl Side Chains of Cations and Anions on the Activity and Renaturation of Lysozyme: A Systematic Study Performed Using Six Amino Acid-Based Ionic Liquids. <i>ChemistrySelect</i> , 2021, 6, 3089-3095.	0.7	3
45	Evaluation of Gas Chromatography Stationary Phases Based on Morpholinium Ionic Liquids by McReynolds Constants and Activity Coefficients at Infinite Dilution. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1660-1670.	0.7	2