Zenon JÃ³zef Kokot

List of Publications by Year
in descending order

97 papers	1,555 citations	304743 22 h-index	395702 33 g-index
98 all docs	98 docs citations	98 times ranked	2656 citing authors

#	Article	IF	Citations
1	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. TrAC - Trends in Analytical Chemistry, 2018, 103, 34-43.	11.4	85
2	Amino Acid Profiles of Serum and Urine in Search for Prostate Cancer Biomarkers: a Pilot Study. International Journal of Medical Sciences, 2017, 14, 1-12.	2.5	81
3	Simultaneous determination of salicylic acid and acetylsalicylic acid in aspirin delayed-release tablet formulations by second-derivative UV spectrophotometry. Journal of Pharmaceutical and Biomedical Analysis, 1998, 18, 871-875.	2.8	56
4	METABOLOMICS IN MEDICAL SCIENCES--TRENDS, CHALLENGES AND PERSPECTIVES. Acta Poloniae Pharmaceutica, 2015, 72, 629-41.	0.1	56
5	Characterization of honeybee venom by MALDI-TOF and nanoESI-QqTOF mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 273-278.	2.8	49
6	Evaluation of serum amino acid profilesâ€™ utility in non-small cell lung cancer detection in Polish population. Lung Cancer, 2016, 100, 71-76.	2.0	49
7	MALDI-TOF-MS analysis in discovery and identification of serum proteomic patterns of ovarian cancer. BMC Cancer, 2017, 17, 472.	2.6	49
8	Challenges in biomarker discovery with MALDI-TOF MS. Clinica Chimica Acta, 2016, 458, 84-98.	1.1	46
9	Study of early stage non-small-cell lung cancer using Orbitrap-based global serum metabolomics. Journal of Cancer Research and Clinical Oncology, 2017, 143, 649-659.	2.5	43
10	Usefulness of Amino Acid Profiling in Ovarian Cancer Screening with Special Emphasis on Their Role in Cancerogenesis. International Journal of Molecular Sciences, 2017, 18, 2727.	4.1	42
11	Analysis of the factors that significantly influence the stability of fluoroquinoloneâ€“metal complexes. Analytica Chimica Acta, 2009, 647, 54-59.	5.4	40
12	Urban wastewater analysis as an effective tool for monitoring illegal drugs, including new psychoactive substances, in the Eastern European region. Scientific Reports, 2020, 10, 4885.	3.3	38
13	Wide spectrum targeted metabolomics identifies potential ovarian cancer biomarkers. Life Sciences, 2019, 222, 235-244.	4.3	34
14	Simultaneous Determination of Major Constituents of Honeybee Venom by LC-DAD. Chromatographia, 2009, 69, 1401-1405.	1.3	33
15	Understanding Ovarian Cancer: iTRAQ-Based Proteomics for Biomarker Discovery. International Journal of Molecular Sciences, 2018, 19, 2240.	4.1	29
16	A Combined Metabolomic and Proteomic Analysis of Gestational Diabetes Mellitus. International Journal of Molecular Sciences, 2015, 16, 30034-30045.	4.1	28
17	Serum lipidome screening in patients with stage I non-small cell lung cancer. Clinical and Experimental Medicine, 2019, 19, 505-513.	3.6	28
18	Shotgun proteome analysis of honeybee venom using targeted enrichment strategies. Toxicon, 2014, 90, 255-264.	1.6	27

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19	Mass spectrometry-based proteomics techniques and their application in ovarian cancer research. Journal of Ovarian Research, 2018, 11, 88.	3.0	26
20	Multielemental Analysis of Bee Pollen, Propolis, and Royal Jelly Collected in West-Central Poland. Molecules, 2021, 26, 2415.	3.8	26
21	Hyphenated LCâ€“MALDIâ€“ToF/ToF and LCâ€“ESIâ€“QToF approach in proteomic characterization of honeybee venom. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 69-76.	2.8	25
22	Role of CYP1A1 in the biological activity of methylated resveratrol analogue, 3,4,5,4â€²-tetramethoxystilbene (DMU-212) in ovarian cancer A-2780 and non-cancerous HOSE cells. Toxicology Letters, 2017, 267, 59-66.	0.8	23
23	Solid phase microextractionâ€“comprehensive two-dimensional gas chromatographyâ€“time-of-flight mass spectrometry: a new tool for determining PAHs in airport runoff water samples. Analytical Methods, 2016, 8, 4509-4520.	2.7	22
24	New CZE-DAD method for honeybee venom analysis and standardization of the product. Analytical and Bioanalytical Chemistry, 2011, 399, 2487-2494.	3.7	21
25	Identification of Serum Peptidome Signatures of Non-Small Cell Lung Cancer. International Journal of Molecular Sciences, 2016, 17, 410.	4.1	21
26	Effects of a Honeybee Sting on the Serum Free Amino Acid Profile in Humans. PLoS ONE, 2014, 9, e103533.	2.5	20
27	Activation of Prodrug Treosulfan at pH 7.4 and 37Â°C Accompanied by Hydrolysis of Its Active Epoxides: Kinetic Studies with Clinical Relevance. Journal of Pharmaceutical Sciences, 2015, 104, 4433-4442.	3.3	20
28	Diagnostic Value of Serum Angiogenesis Markers in Ovarian Cancer Using Multiplex Immunoassay. International Journal of Molecular Sciences, 2017, 18, 123.	4.1	20
29	Serum free amino acid levels in rheumatoid arthritis according to therapy and physical disability. Cytokine, 2019, 113, 332-339.	3.2	20
30	Assessing circadian rhythms in propofol PK and PD during prolonged infusion in ICU patients. Journal of Pharmacokinetics and Pharmacodynamics, 2010, 37, 289-304.	1.8	19
31	Proline-Dependent Induction of Apoptosis in Oral Squamous Cell Carcinoma (OSCC)â€”The Effect of Celecoxib. Cancers, 2020, 12, 136.	3.7	19
32	Determination of low-molecular-weight organic acids in non-small cell lung cancer with a new liquid chromatographyâ€“tandem mass spectrometry method. Journal of Pharmaceutical and Biomedical Analysis, 2016, 129, 299-309.	2.8	17
33	Application of Metabolomic Tools for Studying Low Molecular-Weight Fraction of Animal Venoms and Poisons. Toxins, 2018, 10, 306.	3.4	17
34	A study of low-molecular-weight organic acid urinary profiles in prostate cancer by a new liquid chromatography-tandem mass spectrometry method. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 229-236.	2.8	17
35	Standard methods for Apis mellifera venom research. Journal of Apicultural Research, 2021, 60, 1-31.	1.5	17
36	Complexes of Fe(III) ions with mefenamic acid. Journal of Pharmaceutical and Biomedical Analysis, 1996, 15, 339-342.	2.8	16

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37	Inductively coupled plasma mass spectrometry determination of metals in honeybee venom. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 955-959.	2.8	16
38	Amino Acids in Cerebrospinal Fluid of Patients with Aneurysmal Subarachnoid Haemorrhage: An Observational Study. Frontiers in Neurology, 2017, 8, 438.	2.4	16
39	Mass spectrometry as a tool for biomarkers searching in gynecological oncology. Biomedicine and Pharmacotherapy, 2017, 92, 836-842.	5.6	15
40	Extending Metabolomic Studies of Apis mellifera Venom: LC-MS-Based Targeted Analysis of Organic Acids. Toxins, 2020, 12, 14.	3.4	15
41	Estimation of drug abuse in 9 Polish cities by wastewater analysis. Forensic Science International, 2016, 260, 14-21.	2.2	14
42	Alterations in Serum-Free Amino Acid Profiles in Childhood Asthma. International Journal of Environmental Research and Public Health, 2020, 17, 4758.	2.6	14
43	Investigation of Interaction of Fluoroquinolones with Aluminum, Iron and Magnesium ions Using Capillary Zone Eletrophoresis. Chromatographia, 2007, 65, 489-492.	1.3	13
44	Application of Principal Component Analysis for evaluation of chemical and antimicrobial properties of honey bee (Apis mellifera) venom. Journal of Apicultural Research, 2009, 48, 168-175.	1.5	13
45	Pharmacokinetics and pharmacodynamics of propofol and fentanyl in patients undergoing abdominal aortic surgery â€“ a study of pharmacodynamic drugâ€“drug interactions. Biopharmaceutics and Drug Disposition, 2016, 37, 252-263.	1.9	13
46	The Metabolomic Approach Reveals the Alteration in Human Serum and Cerebrospinal Fluid Composition in Parkinsonâ€™s Disease Patients. Pharmaceuticals, 2021, 14, 935.	3.8	13
47	Influence of Time of Day on Propofol Pharmacokinetics and Pharmacodynamics in Rabbits. Chronobiology International, 2011, 28, 318-329.	2.0	11
48	Determination of antifreeze substances in the airport runoff waters by solid-phase microextraction and gas chromatographyâ€“mass spectrometry method. Microchemical Journal, 2016, 126, 466-473.	4.5	11
49	The Effect of Bee Venom Peptides Melittin, Tertiapin, and Apamin on the Human Erythrocytes Ghosts: A Preliminary Study. Metabolites, 2020, 10, 191.	2.9	11
50	Free Amino Acid Alterations in Patients with Gynecological and Breast Cancer: A Review. Pharmaceuticals, 2021, 14, 731.	3.8	11
51	The pharmacokinetics of propofol in ICU patients undergoing longâ€term sedation. Biopharmaceutics and Drug Disposition, 2016, 37, 456-466.	1.9	10
52	Pharmacokinetics of dexmedetomidine during analgosedation in ICU patients. Journal of Pharmacokinetics and Pharmacodynamics, 2018, 45, 277-284.	1.8	10
53	Development of an LC-MS Targeted Metabolomics Methodology to Study Proline Metabolism in Mammalian Cell Cultures. Molecules, 2020, 25, 4639.	3.8	10
54	A new method for determination of hyaluronidase activity in biological samples using capillary zone electrophoresis. Biomedical Chromatography, 2013, 27, 1070-1078.	1.7	9

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55	Proteomic features characterization of Hymenoptera venom allergy. Allergy, Asthma and Clinical Immunology, 2019, 15, 77.	2.0	9
56	Identification and quantification of honeybee venom constituents by multiplatform metabolomics. Scientific Reports, 2020, 10, 21645.	3.3	9
57	Pharmacokinetics and pharmacodynamics of propofol in children undergoing different types of surgeries. Pharmacological Reports, 2014, 66, 821-829.	3.3	8
58	The application of fuzzy statistics and linear discriminant analysis as criteria for optimizing the preparation of plasma for matrix-assisted laser desorption/ionization mass spectrometry peptide profiling. Clinica Chimica Acta, 2015, 448, 174-181.	1.1	8
59	MALDI-TOF-MS Analysis in the Identification of Urine Proteomic Patterns of Gestational Trophoblastic Disease. Metabolites, 2019, 9, 30.	2.9	7
60	Serum Free Amino Acid Profiling in Differential Diagnosis of Ovarian Tumorsâ€”A Comparative Study with Review of the Literature. International Journal of Environmental Research and Public Health, 2021, 18, 2167.	2.6	7
61	Diagnosis of hymenoptera venom allergy–with special emphasis on honeybee (Apis mellifera) venom allergy. Annals of Agricultural and Environmental Medicine, 2013, 20, 875-9.	1.0	7
62	Comparison of the pharmacokinetics of paracetamol from two generic products in patients after total gastric resection. Pharmacological Reports, 2011, 63, 1518-1525.	3.3	6
63	Influence of Honeybee Sting on Peptidome Profile in Human Serum. Toxins, 2015, 7, 1808-1820.	3.4	6
64	Spectroscopic investigations of fluoroquinolones metal ion complexes. Acta Poloniae Pharmaceutica, 2013, 70, 621-9.	0.1	6
65	CREATININE DETERMINATION IN URINE BY LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION-TANDEM MASS SPECTROMETRY METHOD. Acta Poloniae Pharmaceutica, 2016, 73, 303-13.	0.1	6
66	The pharmacokinetics of the effervescent vs. conventional tramadol/paracetamol fixed-dose combination tablet in patients after total gastric resection. Pharmacological Reports, 2014, 66, 159-164.	3.3	5
67	The influence of a 3-week body mass reduction program on the metabolic parameters and free amino acid profiles in adult Polish people with obesity. Advances in Clinical and Experimental Medicine, 2018, 27, 749-757.	1.4	5
68	PROTEOMIC ANALYSIS OF APIS MELLIFERA VENOM DETERMINED BY LIQUID CHROMATOGRAPHY (LC) COUPLED WITH NANO-LC-MALDI-TOF/TOF MS. Acta Poloniae Pharmaceutica, 2017, 74, 53-65.	0.1	5
69	Determination of 16 serum angiogenic factors in stage I non-small cell lung cancer using a bead-based multiplex immunoassay. Biomedicine and Pharmacotherapy, 2017, 88, 1031-1037.	5.6	4
70	A pharmacokinetic study on lapatinib in type 2 diabetic rats. Pharmacological Reports, 2018, 70, 191-195.	3.3	4
71	Immune and clinical response to honeybee venom in beekeepers. Annals of Agricultural and Environmental Medicine, 2016, 23, 120-124.	1.0	4
72	Melatonin and clonidine premedication has similar impact on the pharmacokinetics and pharmacodynamics of propofol target controlledâ€infusions. Journal of Clinical Pharmacology, 2015, 55, 307-316.	2.0	3

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73	Determination of fuel combustion product in airport runoff water samples using liquidâ€“liquid extraction with gas chromatographyâ€“spectrometry. International Journal of Environmental Science and Technology, 2016, 13, 1475-1488.	3.5	3
74	The concomitant use of lapatinib and paracetamol - the risk of interaction. Investigational New Drugs, 2018, 36, 819-827.	2.6	3
75	CSF proteomics of patients with hydrocephalus and subarachnoid haemorrhage. Translational Neuroscience, 2019, 10, 244-253.	1.4	3
76	MALDI-TOF Protein Profiling Reflects Changes in Type 1 Diabetes Patients Depending on the Increased Amount of Adipose Tissue, Poor Control of Diabetes and the Presence of Chronic Complications. International Journal of Environmental Research and Public Health, 2021, 18, 2263.	2.6	3
77	LC-MS/MS based targeted metabolomics method for analysis of serum and cerebrospinal fluid. Journal of Medical Science, 2019, 88, 12-20.	0.7	3
78	Trends of Amphetamine Type Stimulants DTR Mass Load in Poznan Based on Wastewater Analysis. Iranian Journal of Public Health, 2014, 43, 610-20.	0.5	3
79	PRELIMINARY HIGH PERFORMANCE CAPILLARY ELECTROPHORESIS (HPCE) STUDIES OF ENZYMATIC DEGRADATION OF HYALURONIC ACID BY HYALURONIDASE IN THE PRESENCE OF POLYVALENT METAL IONS. Acta Poloniae Pharmaceutica, 2017, 74, 41-51.	0.1	3
80	Immune and clinical response to honeybee venom in beekeepers. Annals of Agricultural and Environmental Medicine, 2016, 23, 120-4.	1.0	3
81	HPLC and HPLC/MS/MS Studies on Stress, Accelerated and Intermediate Degradation Tests of Antivirally Active Tricyclic Analog of Acyclovir. Journal of AOAC INTERNATIONAL, 2015, 98, 1240-1247.	1.5	2
82	Development and validation of HPLCâ€“MS/MS procedure for determination of 3,4,4â€²,5-tetra-methoxystilbene (DMU-212) and its metabolites in ovarian cancer cells and culture medium. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1060, 30-35.	2.3	2
83	Serum angiogenesis profile in gestational trophoblastic neoplasm using multiplex immunoassay. Life Sciences, 2018, 211, 25-30.	4.3	2
84	Assessment of diagnostic utility of multivariate diagnostic models in differential diagnosis of ovarian tumors. Ginekologia Polska, 2018, 89, 568-572.	0.7	2
85	Quantitative analysis of norfloxacin by 1H NMR and HPLC. Acta Poloniae Pharmaceutica, 2012, 69, 597-601.	0.1	2
86	Amphetamines in wastewater of the city PoznaÅ„ (Poland)--estimation of drug abuse. Acta Poloniae Pharmaceutica, 2014, 71, 25-33.	0.1	2
87	The correlation between anti phospholipase A 2 specific IgE and clinical symptoms after a bee sting in beekeepers. Postepy Dermatologii I Alergologii, 2016, 3, 206-210.	0.9	1
88	Proteomic and metabolomic strategy of searching for biomarkers of genital cancer diseases using mass spectrometry methods. Journal of Medical Science, 2016, 85, 330.	0.7	1
89	Maturation, pharmacogenomics and metabolomics as factors determining pharmacokinetic and pharmacodynamics profile of alphaâ€agonist in pediatric intensive care unit patients. Journal of Medical Science, 2016, 85, 219.	0.7	1
90	Characterization of the selected honeybee products based on omics techniques. Journal of Medical Science, 2019, 88, 129-132.	0.7	1

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91	Validation of electrochemical determination of zinc in selected pharmaceutical preparations. Acta Poloniae Pharmaceutica, 2004, 61, 243-7.	0.1	1
92	STUDY OF OFLOXACIN ENANTIOMERS DISSOLUTION FROM SELECTED SOLID DOSAGE FORMS USING HIGH PERFORMANCE CAPILLARY ELECTROPHORESIS METHOD. Acta Poloniae Pharmaceutica, 2017, 74, 955-968.	0.1	1
93	The feature selection approach for evaluation of potential rheumatoid arthritis markers using MALDI-TOF datasets. Analytical Biochemistry, 2017, 525, 29-37.	2.4	0
94	ANN and Bayesian Classification Models for Virtual Screening of Endocrine-Disrupting Chemicals. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 407-416.	1.1	0
95	Study of serum metabolic profiles of patients with non-small cell lung cancer with special emphasis on the smoking status of patients. Journal of Medical Science, 2019, 88, 62-65.	0.7	0
96	Mass spectrometry analysis of redox forms of High-Mobility Group Box-1 Protein in cerebrospinal fluid: initial experience.. Journal of Medical Science, 2019, 88, 171-176.	0.7	0
97	Validation of HPLC method for determination of six fluoroquinolones: cinoxacin, ciprofloxacin, enoxacin, lomefloxacin, norfloxacin and ofloxacin. Acta Poloniae Pharmaceutica, 2004, 61 Suppl, 64-6.	0.1	0