

Vladimir E Frankevich

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,184
citations

279798

23
h-index

243625

44
g-index

72
all docs

72
docs citations

72
times ranked

2376
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Molecular differentiation of <i>Panax notoginseng</i> grown under different conditions by internal extractive electrospray ionization mass spectrometry and multivariate analysis. <i>Phytochemistry</i> , 2022, 194, 113030. | 2.9 | 5 |
| 2 | The Impact of Maternal SARS-CoV-2 Infection Next to Pre-Immunization with Gam-COVID-Vac (Sputnik V) Vaccine on the 1-Day-Neonate's Blood Plasma Small Non-Coding RNA Profile: A Pilot Study. <i>Covid</i> , 2022, 2, 837-857. | 1.5 | 0 |
| 3 | Immunoendocrine Markers of Stress in Seminal Plasma at IVF/ICSI Failure: a Preliminary Study. <i>Reproductive Sciences</i> , 2021, 28, 144-158. | 2.5 | 7 |
| 4 | Comparison of the effectiveness of variable selection method for creating a diagnostic panel of biomarkers for mass spectrometric lipidome analysis. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4702. | 1.6 | 5 |
| 5 | Elemental composition of blood of infertile patients participating in assisted reproduction programs. <i>Bulletin of Russian State Medical University</i> , 2021, , 45-50. | 0.2 | 0 |
| 6 | Vertical Transmission of SARS-CoV-2 in Second Trimester Associated with Severe Neonatal Pathology. <i>Viruses</i> , 2021, 13, 447. | 3.3 | 27 |
| 7 | Normalization methods for reducing interbatch effect without quality control samples in liquid chromatography-mass spectrometry-based studies. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3479-3486. | 3.7 | 9 |
| 8 | miRNAs and Their Gene Targets – A Clue to Differentiate Pregnancies with Small for Gestational Age Newborns, Intrauterine Growth Restriction, and Preeclampsia. <i>Diagnostics</i> , 2021, 11, 729. | 2.6 | 5 |
| 9 | Changes in amino acid profile of cord blood plasma and amniotic fluid of mothers with COVID-19. <i>Bulletin of Russian State Medical University</i> , 2021, , . | 0.2 | 1 |
| 10 | Alterations in lipid profile upon uterine fibroids and its recurrence. <i>Scientific Reports</i> , 2021, 11, 11447. | 3.3 | 8 |
| 11 | The Effect of Bisphenol A on the IVF Outcomes Depending on the Polymorphism of the Detoxification System Genes. <i>Journal of Personalized Medicine</i> , 2021, 11, 1091. | 2.5 | 3 |
| 12 | The high-resolution mass spectrometry study of the protein composition of amyloid-like urine aggregates associated with preeclampsia. <i>European Journal of Mass Spectrometry</i> , 2020, 26, 158-161. | 1.0 | 9 |
| 13 | Feature selection for OPLS discriminant analysis of cancer tissue lipidomics data. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4457. | 1.6 | 10 |
| 14 | Validation of Breast Cancer Margins by Tissue Spray Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4568. | 4.1 | 8 |
| 15 | Differential Diagnosis of Preeclampsia Based on Urine Peptidome Features Revealed by High Resolution Mass Spectrometry. <i>Diagnostics</i> , 2020, 10, 1039. | 2.6 | 9 |
| 16 | Comparative study of alterations in phospholipid profiles upon liver cancer in humans and mice. <i>Analyst</i> , 2020, 145, 6470-6477. | 3.5 | 10 |
| 17 | SERPINA1 Peptides in Urine as A Potential Marker of Preeclampsia Severity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 914. | 4.1 | 19 |
| 18 | Complexes of fluconazole with alanine, lysine and threonine: mass spectrometry and theoretical modeling. <i>Bulletin of Russian State Medical University</i> , 2020, , 54-59. | 0.2 | 0 |

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|----|---|-----|-----------|
| 19 | 168â€¦Preoperative evaluation of lipid markers of malignant epithelial ovarian tumors. , 2020, , . | | 0 |
| 20 | 383â€¦Changes in the proteome of cervicovaginal fluid during HPV infection in hpv-vaccinated women. , 2020, , . | | 0 |
| 21 | Floral volatiles identification and molecular differentiation of Osmanthus fragrans by neutral desorption extractive atmospheric pressure chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 1861-1869. | 1.5 | 6 |
| 22 | Combination of Low-Temperature Electrosurgical Unit and Extractive Electrospray Ionization Mass Spectrometry for Molecular Profiling and Classification of Tissues. Molecules, 2019, 24, 2957. | 3.8 | 4 |
| 23 | Identification of potential endometriosis biomarkers in peritoneal fluid and blood plasma via shotgun lipidomics. Clinical Mass Spectrometry, 2019, 13, 21-26. | 1.9 | 9 |
| 24 | Labelâ€free cervicovaginal fluid proteome profiling reflects the cervix neoplastic transformation. Journal of Mass Spectrometry, 2019, 54, 693-703. | 1.6 | 17 |
| 25 | Relative quantitation of phosphatidylcholines with interfered masses of protonated and sodiated molecules by tandem and Fourier-transform ion cyclotron resonance mass spectrometry. European Journal of Mass Spectrometry, 2019, 25, 259-264. | 1.0 | 2 |
| 26 | Methodology for Urine Peptidome Analysis Based on Nano-HPLC Coupled to Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Methods in Molecular Biology, 2018, 1719, 311-318. | 0.9 | 1 |
| 27 | A Comparison of Tissue Spray and Lipid Extract Direct Injection Electrospray Ionization Mass Spectrometry for the Differentiation of Eutopic and Ectopic Endometrial Tissues. Journal of the American Society for Mass Spectrometry, 2018, 29, 323-330. | 2.8 | 13 |
| 28 | Direct Mass Spectrometry Differentiation of Ectopic and Eutopic Endometrium in Patients with Endometriosis. Journal of Minimally Invasive Gynecology, 2018, 25, 426-433. | 0.6 | 26 |
| 29 | Identification of potential early biomarkers of preeclampsia. Placenta, 2018, 61, 61-71. | 1.5 | 60 |
| 30 | Deciphering the chemical origin of the semen-like floral scents in three angiosperm plants. Phytochemistry, 2018, 145, 137-145. | 2.9 | 12 |
| 31 | Endometriosis foci differentiation by rapid lipid profiling using tissue spray ionization and high resolution mass spectrometry. Scientific Reports, 2017, 7, 2546. | 3.3 | 26 |
| 32 | Peculiarities of Data Interpretation upon Direct Tissue Analysis by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. European Journal of Mass Spectrometry, 2016, 22, 123-126. | 1.0 | 7 |
| 33 | Preconcentration of organic solutes in urine by bubble bursting. Metabolomics, 2016, 12, 1. | 3.0 | 13 |
| 34 | Investigation of urine proteome of preterm newborns with respiratory pathologies. Journal of Proteomics, 2016, 149, 31-37. | 2.4 | 11 |
| 35 | Comparison of Pyridine and Pyrazine Derivatives Distribution in Exhaled Breath and Exhaled Breath Condensate after Smoking. European Journal of Mass Spectrometry, 2015, 21, 829-832. | 1.0 | 4 |
| 36 | Ion mobility spectrometry coupled to laser-induced fluorescence for probing the electronic structure and conformation of gas-phase ions. Journal of Analytical Chemistry, 2014, 69, 1215-1219. | 0.9 | 5 |

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|----|---|------|-----------|
| 37 | Mass Spectrometry Research at the Laboratory for Organic Chemistry, ETH Zurich. <i>Chimia</i> , 2014, 68, 119. | 0.6 | 0 |
| 38 | Fluorescence resonance energy transfer of gas-phase ions under ultra high vacuum and ambient conditions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8911-8920. | 2.8 | 20 |
| 39 | Initial Velocity Distribution of MALDI/LDI Ions Measured by Internal MALDI Source Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1991-1994. | 2.8 | 3 |
| 40 | On initial ion velocities in MALDI: A novel FT-ICR MS approach. <i>International Journal of Mass Spectrometry</i> , 2014, 372, 51-53. | 1.5 | 10 |
| 41 | Native Biomolecules in the Gas Phase? The Case of Green Fluorescent Protein. <i>ChemPhysChem</i> , 2013, 14, 929-935. | 2.1 | 26 |
| 42 | Fluorescence-based method for determining the number of ions trapped in a FT-ICR mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2013, 338, 11-16. | 1.5 | 4 |
| 43 | Ion Mobility Spectrometry Coupled to Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2013, 85, 39-43. | 6.5 | 17 |
| 44 | Probing the mechanisms of ambient ionization by laser-induced fluorescence spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1567-1572. | 1.5 | 15 |
| 45 | Absorption of the green fluorescent protein chromophore anion in the gas phase studied by a combination of FTICR mass spectrometry with laser-induced photodissociation spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2011, 306, 241-245. | 1.5 | 34 |
| 46 | What Happens to Hydrophobic Interactions during Transfer from the Solution to the Gas Phase? The Case of Electrospray-Based Soft Ionization Methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1167-1177. | 2.8 | 45 |
| 47 | The Role of Nebulizer Gas Flow in Electrosonic Spray Ionization (ESSI). <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1234-1241. | 2.8 | 32 |
| 48 | Direct Access to Isolated Biomolecules under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2358-2361. | 13.8 | 34 |
| 49 | Rhodamines in the gas phase: cations, neutrals, anions, and adducts with metal cations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11710. | 2.8 | 23 |
| 50 | Optical properties of protonated Rhodamine 19 isomers in solution and in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14121. | 2.8 | 26 |
| 51 | Kinetic Energy of Free Electrons Affects MALDI Positive Ion Yield via Capture Cross-Section. <i>Journal of Physical Chemistry A</i> , 2006, 110, 926-930. | 2.5 | 20 |
| 52 | Laser-Induced Fluorescence of Trapped Gas-Phase Molecular Ions Generated by Internal-Source Matrix-Assisted Laser Desorption/Ionization in a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 475-482. | 1.0 | 31 |
| 53 | Letter: Multiply Charged Ions in Matrix-Assisted Laser Desorption/Ionization Generated from Electrosprayed Sample Layers. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 257-259. | 1.0 | 24 |
| 54 | Clear evidence of fluorescence resonance energy transfer in gas-phase ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1481-1487. | 2.8 | 57 |

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|----|---|------|-----------|
| 55 | Signal enhancement in matrix-assisted laser desorption/ionization by doping with Cu(II) chloride. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 289-291. | 1.5 | 7 |
| 56 | MALDI-Fourier transform mass spectrometric and theoretical studies of donor-acceptor and donor-bridge-acceptor fullerenes. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1036-1042. | 2.8 | 9 |
| 57 | Identification of Polymers as Major Components of Atmospheric Organic Aerosols. <i>Science</i> , 2004, 303, 1659-1662. | 12.6 | 947 |
| 58 | Time-Resolved Surface Temperature Measurement of MALDI Matrices under Pulsed UV Laser Irradiation. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2405-2410. | 2.5 | 42 |
| 59 | Reduction of Cu(II) in matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 42-50. | 2.8 | 62 |
| 60 | Production and fragmentation of multiply charged ions in ?electron-free? matrix-assisted laser desorption/ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2343-2348. | 1.5 | 51 |
| 61 | Role of Electrons in Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 6063-6067. | 6.5 | 86 |
| 62 | Letter: Characteristics of Photoelectrons Emitted in Matrix-Assisted Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Experiments. <i>European Journal of Mass Spectrometry</i> , 2002, 8, 67-69. | 1.0 | 33 |
| 63 | The origin of electrons in MALDI and their use for sympathetic cooling of negative ions in FTICR. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 11-19. | 1.5 | 51 |
| 64 | Dynamic ion trapping in a cylindrical open cell for fourier transform ion cyclotron resonance mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2001, 207, 57-67. | 1.5 | 15 |
| 65 | Flexible open-cell design for internal-source matrix-assisted laser desorption/ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 979-985. | 1.5 | 10 |
| 66 | Deceleration of high-energy matrix-assisted laser desorption/ionization ions in an open cell for Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2035-2040. | 1.5 | 9 |
| 67 | Characteristics of a broad-band Fourier transform ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 1998, 177, 91-104. | 1.5 | 25 |
| 68 | Broad-Band Fourier Transform Quadrupole Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 1996, 68, 3314-3320. | 6.5 | 44 |
| 69 | Diels-Alder reactions of mass-selected ions in an ion trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 911-915. | 1.5 | 8 |