Julius Pavlov

List of Publications by Year
in descending order

30	366	933447 10	794594 19
papers	citations	h-index	g-index

31	31	31	429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monoisotopic Mass?. Journal of the American Society for Mass Spectrometry, 2022, 33, 5-10.	2.8	2
2	Helium-Plasma-Ionization Mass Spectrometry of Metallocenes and Their Derivatives. Journal of the American Society for Mass Spectrometry, 2021, 32, 548-559.	2.8	3
3	HCN emission by a Polydesmid Millipede Detected Remotely by Reactive Adsorption on Gold Nanoparticles Followed by Laser Desorption/Ionization Mass Spectrometry (LDI-MS). Journal of Chemical Ecology, 2020, 46, 455-460.	1.8	3
4	1,4-Benzoquinone as a Highly Efficient Dopant for Enhanced Ionization and Detection of Nitramine Explosives on a Single-Quadrupole Mass Spectrometer Fitted with a Helium-Plasma Ionization (HePI) Source. Journal of the American Society for Mass Spectrometry, 2019, 30, 2704-2710.	2.8	4
5	Chalcophile chemistry for enhanced detection of copper in its compounds and minerals. Polyhedron, 2019, 167, 127-136.	2.2	1
6	Gold Nanoparticles (AuNPs) as Reactive Matrix for Detection of Trace Levels of HCN in Air by Laser Desorption/Ionization Mass Spectrometry (LDI-MS). Journal of the American Society for Mass Spectrometry, 2019, 30, 806-813.	2.8	4
7	Fortuitous Ionâ€“Molecule Reaction Enables Enumeration of Metalâ€“Hydrogen Bonds Present in Gaseous Ions. ACS Omega, 2019, 4, 3965-3972.	3.5	2
8	Screening freshness of seafood by measuring trimethylamine (TMA) levels using helium-plasma ionization mass spectrometry (HePI-MS). Journal of Analytical Science and Technology, 2019, 10, .	2.1	9
9	Periodic Trends Manifested through Gas-Phase Generation of Anions Such as [AlH₄]^{â^’}, [GaH₄]^{â^’}, [InH₄]^{â^’}, [SrH₃]^{â^’}, [BaH₃]^{â^’}, [Ba(0)(Î·²-O₂CH)₁]^{â^’}, [Pb(0)H]^{â^’}, [Bi(0)H₂]^{â^’}, and Bi^{â€“} from Formates. ACS Omega, 2018, 3, 3440-3452.	3.5	2
10	Brimstone chemistry under laser light assists mass spectrometric detection and imaging the distribution of arsenic in minerals. Dalton Transactions, 2018, 47, 8221-8228.	3.3	3
11	Collisionâ€induced dissociation processes of protonated benzoic acid and related compounds: competitive generation of protonated carbon dioxide or protonated benzene. Journal of Mass Spectrometry, 2017, 52, 230-238.	1.6	18
12	Influence of Ionization Source Conditions on the Gas-Phase Protomer Distribution of Anilinium and Related Cations. Journal of the American Society for Mass Spectrometry, 2017, 28, 1575-1586.	2.8	37
13	System-Dynamics Modeling of Source Mass-Depletion and Risk- Exposure Evolution for Natural Attenuation Processes in the Vadose Zone. Environmental Processes, 2017, 4, 207-222.	3.5	3
14	Reply to the Comment on: â€œNominal Mass?â€•by Athula B. Attygalle and Julius Pavlov, J. Am. Soc. Mass Spectrom. 28, 1737-1738 (2017). Journal of the American Society for Mass Spectrometry, 2017, 28, 2726-2727.	2.8	1
15	Nominal Mass?. Journal of the American Society for Mass Spectrometry, 2017, 28, 1737-1738.	2.8	6
16	Characteristics and products of the reductive degradation of 3-nitro-1,2,4-triazol-5-one (NTO) and 2,4-dinitroanisole (DNAN) in a Fe-Cu bimetal system. Environmental Science and Pollution Research, 2017, 24, 2744-2753.	5.3	20
17	Oxidative Ionization Under Certain Negative-Ion Mass Spectrometric Conditions. Journal of the American Society for Mass Spectrometry, 2017, 28, 270-277.	2.8	15
18	Remote monitoring of structural health in composites. Steel Construction, 2017, 10, 31-36.	0.8	0

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19	Competitive homolytic and heterolytic decomposition pathways of gasâ€phase negative ions generated from aminobenzoate esters. Journal of Mass Spectrometry, 2016, 51, 245-253.	1.6	7
20	Regulated In Situ Generation of Molecular Ions or Protonated Molecules under Atmospheric-Pressure Helium-Plasma-Ionization Mass Spectrometric Conditions. Journal of the American Society for Mass Spectrometry, 2015, 26, 1252-1255.	2.8	5
21	Direct Detection of Solid Inorganic Mercury Salts at Ambient Pressure by Electron-Capture and Reaction-Assisted HePI Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2014, 25, 149-153.	2.8	7
22	Direct detection and identification of active pharmaceutical ingredients in intact tablets by helium plasma ionization (HePI) mass spectrometry. Journal of Pharmaceutical Analysis, 2014, 4, 166-172.	5.3	9
23	Real-Time Monitoring of In Situ Gas-Phase H/D Exchange Reactions of Cations by Atmospheric Pressure Helium Plasma Ionization Mass Spectrometry (HePI-MS). Analytical Chemistry, 2014, 86, 928-935.	6.5	19
24	Biodegradation of Hexanitrohexaazaisowurtzitane (CL-20). Environmental Science and Engineering, 2014, , 285-299.	0.2	0
25	Direct Detection of Inorganic Nitrate Salts by Ambient Pressure Helium-Plasma Ionization Mass Spectrometry. Analytical Chemistry, 2013, 85, 278-282.	6.5	20
26	Enhancement of laser desorption ionization mass spectrometric signals of cesium iodide by elemental sulfur. Rapid Communications in Mass Spectrometry, 2013, 27, 763-766.	1.5	13
27	Quantification and remote detection of nitro explosives by helium plasma ionization mass spectrometry (HePIâ€MS) on a modified atmospheric pressure source designed for electrospray ionization. Journal of Mass Spectrometry, 2012, 47, 845-852.	1.6	35
28	Degradation of high energetic and insensitive munitions compounds by Fe/Cu bimetal reduction. Journal of Hazardous Materials, 2012, 219-220, 75-81.	12.4	91
29	Generation and detection of gaseous W12O41â^'Â· and other tungstate anions by laser desorption ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2009, 20, 1782-1789.	2.8	15
30	Hydrolysis of Hexanitrohexaazaisowurtzitane (CL-20). Journal of Energetic Materials, 2007, 25, 1-18.	2.0	8