

Boris L Milman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

589
citations

15
h-index

24
g-index

43
ext. papers

632
ext. citations

3.6
avg, IF

4.4
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 41 | Electrospray ionization mass spectrometry of ionic liquids and determination of their solubility in water. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 159-64 | 4.4 | 100 |
| 40 | Identification of chemical compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2005 , 24, 493-508 | 14.6 | 63 |
| 39 | Quality assurance of qualitative analysis in the framework of the European project MEQUALAN. <i>Accreditation and Quality Assurance</i> , 2003 , 8, 68-77 | 0.7 | 58 |
| 38 | General principles of identification by mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 69, 24-33 | 14.6 | 50 |
| 37 | The chemical space for non-target analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 179-187 | 14.6 | 38 |
| 36 | Towards a full reference library of MS(n) spectra. Testing of a library containing 3126 MS2 spectra of 1743 compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 2833-9 | 2.2 | 34 |
| 35 | Detection and Identification of Cations and Anions of Ionic Liquids by Means of Electrospray Ionization Mass Spectrometry and Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2005 , 11, 35-42 | 1.1 | 23 |
| 34 | Uncertainty of Qualitative Chemical Analysis: General Methodology and Binary Test Methods. <i>Journal of Analytical Chemistry</i> , 2004 , 59, 1128-1141 | 1.1 | 22 |
| 33 | Mass spectral libraries: A statistical review of the visible use. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 80, 636-640 | 14.6 | 21 |
| 32 | Cluster ions of diquat and paraquat in electrospray ionization mass spectra and their collision-induced dissociation spectra. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 1344-1349 | 2.2 | 19 |
| 31 | Identification of chemical substances by testing and screening of hypotheses. I. General. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 367, 621-8 | | 19 |
| 30 | Identification of chemical substances by testing and screening of hypotheses. II. Determination of impurities in n-hexane and naphthalene. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 367, 629-34 | | 18 |
| 29 | Chemical Identification and its Quality Assurance 2011 , | | 17 |
| 28 | Analysis of citation and co-citation in chemical engineering. <i>Scientometrics</i> , 1993 , 27, 53-74 | 3 | 16 |
| 27 | Towards a full reference library of MS(n) spectra. II: A perspective from the library of pesticide spectra extracted from the literature/Internet. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 3697-705 | 2.2 | 15 |
| 26 | A procedure for decreasing uncertainty in the identification of chemical compounds based on their literature citation and cocitation. Two case studies. <i>Analytical Chemistry</i> , 2002 , 74, 1484-92 | 7.8 | 15 |
| 25 | Literature-based generation of hypotheses on chemical composition using database co-occurrence of chemical compounds. <i>Journal of Chemical Information and Modeling</i> , 2005 , 45, 1153-8 | 6.1 | 11 |

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|----|---|-----|---|
| 24 | Mass spectrometric analysis of medical samples and aspects of clinical diagnostics. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 1179-1191 | 1.1 | 7 |
| 23 | Caprine Bactenecins as Promising Tools for Developing New Antimicrobial and Antitumor Drugs. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 552905 | 5.9 | 6 |
| 22 | Identification of toxic cyclopeptides based on mass spectral library matching. <i>Analytical Chemistry Research</i> , 2014 , 1, 8-15 | | 5 |
| 21 | An approach to the mass spectrometry identification of cyanobacterial peptides. The case of demethylmicrocystin-LR. <i>Journal of Analytical Chemistry</i> , 2011 , 66, 1423-1431 | 1.1 | 5 |
| 20 | Individual co-citation clusters as nuclei of complete and dynamic informetric models of scientific and technological areas. <i>Scientometrics</i> , 1994 , 31, 45-57 | 3 | 5 |
| 19 | Big Data in Modern Chemical Analysis. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 443-452 | 1.1 | 5 |
| 18 | Identification of chemical substances in analytical measurements. <i>Accreditation and Quality Assurance</i> , 1999 , 4, 185-190 | 0.7 | 4 |
| 17 | Tandem mass spectral library of microcystins and related compounds. <i>Journal of Analytical Chemistry</i> , 2013 , 68, 1188-1194 | 1.1 | 2 |
| 16 | Characterization of amyloid deposits found in internal organs of mdx mice. <i>Cell and Tissue Biology</i> , 2017 , 11, 27-34 | 0.4 | 2 |
| 15 | Phospholipid Composition of Human Blood Plasma as Detected by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry: New Observations. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 1411-1418 | 1.1 | 2 |
| 14 | Comparative determination of fatty acid composition of low-molecular components of blood plasma by three mass spectrometry techniques: the old-new exercise in lipidomics. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 1601-1613 | 1.1 | 2 |
| 13 | A new approach to the depletion of albumin and immunoglobulin G from human serum. <i>Applied Biochemistry and Microbiology</i> , 2015 , 51, 367-373 | 1.1 | 1 |
| 12 | Statistics of the Popularity of Chemical Compounds in Relation to the Non-Target Analysis. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 11 | A Comparison of Low-Molecular and Conventional Approaches to the Species Identification of Bacteria by MALDI Mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2018 , 73, 1217-1222 | 1.1 | 1 |
| 10 | Non-target Identification. <i>Chromatography and Spectrometry</i> 2011 , 165-234 | | 0 |
| 9 | Reliability and Errors of Identification 2011 , 63-113 | | 0 |
| 8 | A complexity measure for chemical compounds. <i>Journal of Structural Chemistry</i> , 1989 , 29, 957-960 | 0.9 | |
| 7 | Good Identification Practice 2011 , 255-275 | | |

6 Chemical Qualitative Analysis II **2011**, 235-253

5 Principles of Identification **2011**, 1-22

4 Prior Data for Non-target Identification **2011**, 141-164

3 Probability, Statistics, and Related Methods **2011**, 41-61

2 Features of Tryptic Peptides Providing Their Detection and Identification by MALDI Mass Spectrometry. *Journal of Analytical Chemistry*, **2019**, 74, 1286-1295 1.1

1 Big Free-Access Chemical Databases in Non-Target Mass Spectrometry Analysis. *Journal of Analytical Chemistry*, **2021**, 76, 1477-1484 1.1