

# Marcos N Eberlin

## List of Publications by Citations

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729 papers	20,572 citations	67 h-index	99 g-index
757 ext. papers	22,555 ext. citations	4.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
729	Ambient mass spectrometry: bringing MS into the "real world". <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 265-94	4.4	278
728	Desorption sonic spray ionization for (high) voltage-free ambient mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 2901-5	2.2	263
727	Probing the mechanism of the Baylis-Hillman reaction by electrospray ionization mass and tandem mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4330-3	16.4	255
726	Atmospheric pressure photoionization mass spectrometry. Ionization mechanism and the effect of solvent on the ionization of naphthalenes. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5470-9	7.8	250
725	Definitions of terms relating to mass spectrometry (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 1515-1609	2.1	238
724	Probing the mechanism of the Heck reaction with arene diazonium salts by electrospray mass and tandem mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2514-8	16.4	234
723	Gaseous supramolecules of imidazolium ionic liquids: "magic" numbers and intrinsic strengths of hydrogen bonds. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 6187-93	4.8	225
722	Chiroselective self-directed octamerization of serine: implications for homochirogenesis. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 3646-55	7.8	221
721	Phenolic antioxidants identified by ESI-MS from Yerba mat <sup>a</sup> (Ilex paraguariensis) and green tea (Camelia sinensis) extracts. <i>Molecules</i> , <b>2007</b> , 12, 423-32	4.8	213
720	Electrospray ionization mass spectrometry: a major tool to investigate reaction mechanisms in both solution and the gas phase. <i>European Journal of Mass Spectrometry</i> , <b>2007</b> , 13, 19-28	1.1	166
719	Easy ambient sonic-spray ionization-membrane interface mass spectrometry for direct analysis of solution constituents. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 898-903	7.8	151
718	Jaboticaba peel: Antioxidant compounds, antiproliferative and antimutagenic activities. <i>Food Research International</i> , <b>2012</b> , 49, 596-603	7	150
717	Easy ambient sonic-spray ionization mass spectrometry combined with thin-layer chromatography. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 2744-50	7.8	143
716	Proteomic analysis of dorsolateral prefrontal cortex indicates the involvement of cytoskeleton, oligodendrocyte, energy metabolism and new potential markers in schizophrenia. <i>Journal of Psychiatric Research</i> , <b>2009</b> , 43, 978-86	5.2	140
715	Oil wastes as unconventional substrates for rhamnolipid biosurfactant production by <i>Pseudomonas aeruginosa</i> LBI. <i>Biotechnology Progress</i> , <b>2005</b> , 21, 1562-6	2.8	139
714	Chemical characterization and antioxidant potential of Chilean chia seeds and oil ( <i>Salvia hispanica</i> L.). <i>LWT - Food Science and Technology</i> , <b>2014</b> , 59, 1304-1310	5.4	138
713	Characterization of vegetable oils by electrospray ionization mass spectrometry fingerprinting: classification, quality, adulteration, and aging. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 7429-33	7.8	135

712	Synthesis and characterization of a metal complex containing naringin and Cu, and its antioxidant, antimicrobial, antiinflammatory and tumor cell cytotoxicity. <i>Molecules</i> , <b>2007</b> , 12, 1352-66	4.8	129
711	Novel natural peptide substrates for endopeptidase 24.15, neurolysin, and angiotensin-converting enzyme. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8547-55	5.4	126
710	Production and structural characterization of surfactin (C14/Leu7) produced by <i>Bacillus subtilis</i> isolate LSM-05 grown on raw glycerol from the biodiesel industry. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1951-1957	4.8	123
709	Venturi easy ambient sonic-spray ionization. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1375-80	7.8	114
708	The bridge connecting gas-phase and solution chemistries. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5261-3	16.4	108
707	Purification and characterization of a keratinolytic metalloprotease from <i>Chryseobacterium</i> sp. kr6. <i>Journal of Biotechnology</i> , <b>2007</b> , 128, 693-703	3.7	108
706	Electrospray ionization mass spectrometry fingerprinting of propolis. <i>Analyst, The</i> , <b>2004</b> , 129, 739-44	5	106
705	Standard methods for <i>Apis mellifera</i> propolis research. <i>Journal of Apicultural Research</i> , <b>2019</b> , 58, 1-49	2	105
704	Chiral transmission between amino acids: chirally selective amino acid substitution in the serine octamer as a possible step in homochirogenesis. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1721-4	16.4	104
703	Triple-stage pentaquadrupole (QqQqQ) mass spectrometry and ion/molecule reactions. <i>Mass Spectrometry Reviews</i> , <b>1997</b> , 16, 113-144	11	103
702	The mechanism of the Stille reaction investigated by electrospray ionization mass spectrometry. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5809-12	4.2	102
701	Electrospray mass and tandem mass spectrometry identification of ozone oxidation products of amino acids and small peptides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2000</b> , 11, 526-35	3.5	101
700	Antioxidant activity, phenolics and UPLC-ESI/MS of extracts from different tropical fruits parts and processed peels. <i>Food Research International</i> , <b>2015</b> , 77, 392-399	7	100
699	Production of <i>Pseudomonas aeruginosa</i> LBI rhamnolipids following growth on Brazilian native oils. <i>Process Biochemistry</i> , <b>2006</b> , 41, 483-488	4.8	100
698	Advanced oxidation of caffeine in water: on-line and real-time monitoring by electrospray ionization mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 5982-8	10.3	98
697	Cadinane sesquiterpenoids of <i>Phomopsis cassiae</i> , an endophytic fungus associated with <i>Cassia spectabilis</i> (Leguminosae). <i>Phytochemistry</i> , <b>2006</b> , 67, 1964-9	4	97
696	Antioxidant potential of rat plasma by administration of freeze-dried jaboticaba peel ( <i>Myrciaria jaboticaba</i> Vell Berg). <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2277-83	5.7	96
695	Single embryo and oocyte lipid fingerprinting by mass spectrometry. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 1218-27	6.3	94

694	Dualistic nature of the mechanism of the Morita-Baylis-Hillman reaction probed by electrospray ionization mass spectrometry. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3031-7	4.2	94
693	The methylerythritol phosphate pathway is functionally active in all intraerythrocytic stages of <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 51749-59	5.4	94
692	Phytochemical markers of different types of red propolis. <i>Food Chemistry</i> , <b>2014</b> , 146, 174-80	8.5	91
691	1-n-Butyl-3-methylimidazolium tetrachloro-indate (BMI <sup>+</sup> InCl <sub>4</sub> BMI <sup>-</sup> InCl <sub>4</sub> ) as a media for the synthesis of biodiesel from vegetable oils. <i>Journal of Catalysis</i> , <b>2007</b> , 249, 154-161	7.3	90
690	Determination of the phenolic composition from Brazilian tropical fruits by UHPLC-MS/MS. <i>Food Chemistry</i> , <b>2015</b> , 180, 280-287	8.5	89
689	Further bioactive piperidine alkaloids from the flowers and green fruits of <i>Cassia spectabilis</i> . <i>Journal of Natural Products</i> , <b>2004</b> , 67, 908-10	4.9	89
688	Petroleomics by ESI(+/-) FT-ICR MS. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3990-6	7.8	87
687	The three-component biginelli reaction: a combined experimental and theoretical mechanistic investigation. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9799-804	4.8	86
686	Electrospray ionization mass spectrometry fingerprinting of beer. <i>Analyst, The</i> , <b>2005</b> , 130, 884-9	5	86
685	Ixodidin, a novel antimicrobial peptide from the hemocytes of the cattle tick <i>Boophilus microplus</i> with inhibitory activity against serine proteinases. <i>Peptides</i> , <b>2006</b> , 27, 667-74	3.8	84
684	Protomers: formation, separation and characterization via travelling wave ion mobility mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 712-9	2.2	83
683	Fast Multidimensional (3D and 4D) MS <sup>2</sup> and MS <sup>3</sup> Scans in a High-Transmission Pentaquadrupole Mass Spectrometer. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 1328-1334	7.8	83
682	On the species involved in the vaporization of imidazolium ionic liquids in a steam-distillation-like process. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7251-4	16.4	81
681	<i>Clonostachys rosea</i> BAFC3874 as a <i>Sclerotinia sclerotiorum</i> antagonist: mechanisms involved and potential as a biocontrol agent. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 110, 1177-86	4.7	79
680	Instantaneous chemical profiles of banknotes by ambient mass spectrometry. <i>Analyst, The</i> , <b>2010</b> , 135, 2533-9	5	79
679	Fingerprinting and aging of ink by easy ambient sonic-spray ionization mass spectrometry. <i>Analyst, The</i> , <b>2010</b> , 135, 745-50	5	79
678	Electrospray ionization mass spectrometry fingerprinting of whisky: immediate proof of origin and authenticity. <i>Analyst, The</i> , <b>2005</b> , 130, 890-7	5	78
677	HPLC separation and determination of 12 cholesterol oxidation products in fish: comparative study of RI, UV, and APCI-MS detectors. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 4107-13	5.7	76

676	Probing the Mechanism of the Heck Reaction with Arene Diazonium Salts by Electrospray Mass and Tandem Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2568-2572	3.6	76
675	Determination of free, esterified, glycosylated and insoluble-bound phenolics composition in the edible part of araticum fruit ( <i>Annona crassiflora</i> Mart.) and its by-products by HPLC-ESI-MS/MS. <i>Food Chemistry</i> , <b>2018</b> , 245, 738-749	8.5	74
674	Polar acetalization and transacetalization in the gas phase: the Eberlin reaction. <i>Chemical Reviews</i> , <b>2006</b> , 106, 188-211	68.1	73
673	Phosphatidylcholine and sphingomyelin profiles vary in <i>Bos taurus indicus</i> and <i>Bos taurus taurus</i> in vitro- and in vivo-produced blastocysts. <i>Biology of Reproduction</i> , <b>2012</b> , 87, 130	3.9	71
672	Instantaneous characterization of vegetable oils via TAG and FFA profiles by easy ambient sonic-spray ionization mass spectrometry. <i>Analyst, The</i> , <b>2010</b> , 135, 738-44	5	71
671	Arabica and robusta coffees: identification of major polar compounds and quantification of blends by direct-infusion electrospray ionization-mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 4253-8	5.7	70
670	Volatile compounds from pitanga fruit ( <i>Eugenia uniflora</i> L.). <i>Food Chemistry</i> , <b>2006</b> , 99, 1-5	8.5	70
669	Brønsted acid catalyzed Morita-Baylis-Hillman reaction: a new mechanistic view for thioureas revealed by ESI-MS(/MS) monitoring and DFT calculations. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 12460-9	4.8	69
668	A chitin-like component in <i>Aedes aegypti</i> eggshells, eggs and ovaries. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 1249-61	4.5	69
667	Polycyclic aromatic hydrocarbons (PAHs) in street dust of Rio de Janeiro and Niterói Brazil: Particle size distribution, sources and cancer risk assessment. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 305-313	10.2	68
666	Electrophilic aromatic nitration: understanding its mechanism and substituent effects. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 6192-203	4.2	68
665	Tetrahydrofuran lignans from <i>Nectandra megapotamica</i> with trypanocidal activity. <i>Journal of Natural Products</i> , <b>2004</b> , 67, 42-5	4.9	68
664	Short communication: Identification of subclinical cow mastitis pathogens in milk by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 5661-7	4	67
663	Amazonian vegetable oils and fats: fast typification and quality control via triacylglycerol (TAG) profiles from dry matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry fingerprinting. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 4030-4	5.7	67
662	Forensic Chemistry and Ambient Mass Spectrometry: A Perfect Couple Destined for a Happy Marriage?. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2515-26	7.8	66
661	C-H functionalization of 1,4-naphthoquinone by oxidative coupling with anilines in the presence of a catalytic quantity of copper(II) acetate. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 5264-73	4.2	66
660	Probing the Mechanism of the Baylis-Hillman Reaction by Electrospray Ionization Mass and Tandem Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4430-4433	3.6	66
659	The role of ionic liquids in co-catalysis of Baylis-Hillman reaction: interception of supramolecular species via electrospray ionization mass spectrometry. <i>Journal of Physical Organic Chemistry</i> , <b>2006</b> , 19, 731-736	2.1	65

658	Poly (ethylene terephthalate) thermo-mechanical and thermo-oxidative degradation mechanisms. <i>Polymer Degradation and Stability</i> , <b>2009</b> , 94, 1849-1859	4.7	64
657	Antioxidant activity of <i>Annona crassiflora</i> : Characterization of major components by electrospray ionization mass spectrometry. <i>Food Chemistry</i> , <b>2007</b> , 104, 1048-1054	8.5	64
656	Sweet Basil ( <i>Ocimum basilicum</i> ) Extracts Obtained by Supercritical Fluid Extraction (SFE): Global Yields, Chemical Composition, Antioxidant Activity, and Estimation of the Cost of Manufacturing. <i>Food and Bioprocess Technology</i> , <b>2008</b> , 1, 326-338	5.1	64
655	A Cryotrap Membrane Introduction Mass Spectrometry System for Analysis of Volatile Organic Compounds in Water at the Low Parts-per-Trillion Level. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 3502-6	7.8	64
654	Task-specific ionic liquid incorporating anionic heteropolyacid-catalyzed Hantzsch and Mannich multicomponent reactions. Ionic liquid effect probed by ESI-MS(/MS). <i>Tetrahedron</i> , <b>2014</b> , 70, 3306-3313	2.4	63
653	Analysis of biodiesel and biodiesel-petrodiesel blends by high performance thin layer chromatography combined with easy ambient sonic-spray ionization mass spectrometry. <i>Analyst, The</i> , <b>2009</b> , 134, 1652-7	5	63
652	Fast screening of low molecular weight compounds by thin-layer chromatography and "on-spot" MALDI-TOF mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 2144-7	7.8	63
651	Combined cysteine and homocysteine quantitation in plasma by trap and release membrane introduction mass spectrometry. <i>Analyst, The</i> , <b>2002</b> , 127, 1050-3	5	63
650	Perfume fingerprinting by easy ambient sonic-spray ionization mass spectrometry: nearly instantaneous typification and counterfeit detection. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3662-6	2.2	62
649	Reaction of bis(2,4-dinitrophenyl) phosphate with hydrazine and hydrogen peroxide. Comparison of O- and N- phosphorylation. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 7898-905	4.2	62
648	Gas-Phase Cl <sup>+</sup> Affinities of Pyridines Determined by the Kinetic Method Using Multiple-Stage (MS <sup>3</sup> ) Mass Spectrometry. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2457-2465	16.4	62
647	Subcritical extraction of flaxseed oil with n-propane: Composition and purity. <i>Food Chemistry</i> , <b>2015</b> , 188, 452-8	8.5	61
646	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 989-97	2.2	61
645	Coupling of Vinylic Tellurides with Alkynes Catalyzed by Palladium Dichloride: Evaluation of Synthetic and Mechanistic Details. <i>Organometallics</i> , <b>2004</b> , 23, 3990-3996	3.8	61
644	Probing the mechanism of the Petasis olefination reaction by atmospheric pressure chemical ionization mass and tandem mass spectrometry. <i>Organic Letters</i> , <b>2003</b> , 5, 1391-4	6.2	60
643	Probing the mechanism of the Ugi four-component reaction with charge-tagged reagents by ESI-MS(/MS). <i>Chemical Communications</i> , <b>2014</b> , 50, 338-40	5.8	59
642	Antioxidant activity of <i>Caryocar brasiliense</i> (pequi) and characterization of components by electrospray ionization mass spectrometry. <i>Food Chemistry</i> , <b>2008</b> , 110, 711-717	8.5	59
641	Structurally diagnostic ion/molecule reactions: class and functional-group identification by mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 141-56	2.2	59



640	Catalyst deactivation in the gas phase destruction of nitrogen-containing organic compounds using TiO <sub>2</sub> /UVVIS. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 30, 389-397	21.8	59
639	Separation of isomeric disaccharides by traveling wave ion mobility mass spectrometry using CO <sub>2</sub> as drift gas. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 1643-7	2.2	58
638	Antioxidant activity and composition of propolis obtained by different methods of extraction. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 929-935	1.5	57
637	Intermolecular hydroamination and hydroarylation reactions of alkenes in ionic liquids. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 6775-6779	2	57
636	Polar [4 + 2+] Diels-Alder cycloadditions of acylium ions in the gas phase. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 9226-9233	16.4	56
635	Mechanisms of nucleophilic substitution reactions of methylated hydroxylamines with bis(2,4-dinitrophenyl)phosphate. Mass spectrometric identification of key intermediates. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 6024-33	4.2	55
634	Structures and mechanisms of reactions of isomeric C <sub>2</sub> H <sub>3</sub> O <sup>+</sup> and C <sub>2</sub> H <sub>3</sub> S <sup>+</sup> ions revealed through ion/molecule reactions in conjunction with 2D and 3D mass spectrometry. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 2884-2896	16.4	54
633	Genetic polymorphisms involved in folate metabolism and elevated plasma concentrations of homocysteine: maternal risk factors for Down syndrome in Brazil. <i>Genetics and Molecular Research</i> , <b>2008</b> , 7, 33-42	1.2	54
632	Destruction of Malodorous Compounds Using Heterogeneous Photocatalysis. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 2788-2792	10.3	52
631	Petroleomics by Ultrahigh-Resolution Time-of-Flight Mass Spectrometry. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5787-5794	4.1	51
630	Alkaloids from the bark of <i>Guatteria hispida</i> and their evaluation as antioxidant and antimicrobial agents. <i>Journal of Natural Products</i> , <b>2010</b> , 73, 1180-3	4.9	51
629	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 391-6	12.8	51
628	Transacetalization with Acylium Ions. A Structurally Diagnostic Ion/Molecule Reaction for Cyclic Acetals and Ketals in the Gas Phase. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 5096-5103	4.2	51
627	Serine octamer metaclusters: formation, structure elucidation and implications for homochiral polymerization. <i>Chemical Communications</i> , <b>2001</b> , 1854-5	5.8	51
626	Sequential high pressure extractions applied to recover piceatannol and scirpusin B from passion fruit bagasse. <i>Food Research International</i> , <b>2016</b> , 85, 51-58	7	50
625	Catalyzed reaction of diazodiphenylethanone and related diazo ketones with enaminones as a source of pyrroles. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 2084-2086	4.2	50
624	Characterization of must and wine of six varieties of grapes by direct infusion electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 185-90	2.2	49
623	Aflatoxin screening by MALDI-TOF mass spectrometry. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 8155-7	7.8	49

622	Gas-phase oxirane addition to acylium ions on reaction with 1,3-dioxolanes elucidated by tandem and triple stage mass spectrometric experiments. <i>Organic Mass Spectrometry</i> , <b>1993</b> , 28, 679-687		49
621	Molecularly imprinted polymers as analyte sequesters and selective surfaces for easy ambient sonic-spray ionization. <i>Analyst, The</i> , <b>2010</b> , 135, 726-30	5	48
620	Single-shot biodiesel analysis: nearly instantaneous typification and quality control solely by ambient mass spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7882-6	7.8	48
619	Regioselectivity in aromatic Claisen rearrangements. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 5493-9	4.2	48
618	Simultaneous quantification of phenolic compounds in buriti fruit ( <i>Mauritia flexuosa</i> L.f.) by ultra-high performance liquid chromatography coupled to tandem mass spectrometry. <i>Food Research International</i> , <b>2014</b> , 66, 396-400	7	47
617	Charge-tagged acetate ligands as mass spectrometry probes for metal complexes investigations: applications in Suzuki and Heck phosphine-free reactions. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 10140-7	4.2	47
616	Secretome of the preimplantation human embryo by bottom-up label-free proteomics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 1331-9	4.4	47
615	Suicide nucleophilic attack: reactions of benzohydroxamate anion with bis(2,4-dinitrophenyl) phosphate. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 5011-6	4.2	47
614	Electrophilic aromatic chlorine cation (Cl <sup>+</sup> ) addition and CO <sub>2</sub> substitution in the gas phase. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 1004-1014	16.4	47
613	Multicenter Study Using Desorption-Electrospray-Ionization-Mass-Spectrometry Imaging for Breast-Cancer Diagnosis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11324-11332	7.8	47
612	Bacterial identification: from the agar plate to the mass spectrometer. <i>RSC Advances</i> , <b>2013</b> , 3, 994-1008	3.7	46
611	Vapors from Ionic Liquids: Reconciling Simulations with Mass Spectrometric Data. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 3435-41	6.4	46
610	Water solubilization of ethanol and BTEX from gasoline: on-line monitoring by membrane introduction mass spectrometry. <i>Analyst, The</i> , <b>2002</b> , 127, 230-234	5	46
609	Petroleomics by Traveling Wave Ion Mobility Mass Spectrometry Using CO <sub>2</sub> as a Drift Gas. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7277-7286	4.1	45
608	Whisky analysis by electrospray ionization-Fourier transform mass spectrometry. <i>Food Research International</i> , <b>2013</b> , 51, 98-106	7	45
607	Assessing Biodegradation in the Llanos Orientales Crude Oils by Electrospray Ionization Ultrahigh Resolution and Accuracy Fourier Transform Mass Spectrometry and Chemometric Analysis. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 1277-1284	4.1	45
606	Palladium-catalyzed tandem Heck-lactonization from o-iodophenols and enoates: synthesis of coumarins and the study of the mechanism by electrospray ionization mass spectrometry. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 7085-91	4.2	45
605	Synthesis of benzophenones from geminal biaryl ethenes using m-chloroperbenzoic acid. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 2312-2316	2	45



604	Influence of package, type of apple juice and temperature on the production of patulin by <i>Byssoschlamys nivea</i> and <i>Byssoschlamys fulva</i> . <i>International Journal of Food Microbiology</i> , <b>2010</b> , 142, 156-63 <sup>5.8</sup>	45
603	Biodiesel Typification and Quality Control by Direct Infusion Electrospray Ionization Mass Spectrometry Fingerprinting. <i>Energy &amp; Fuels</i> , <b>2007</b> , 21, 3698-3701	4.1 45
602	Lipidomics analysis of follicular fluid by ESI-MS reveals potential biomarkers for ovarian endometriosis. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 1817-25	3.4 44
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