

# Eduardo C Meurer

## List of Publications by Citations

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59  
papers

1,039  
citations

18  
h-index

30  
g-index

68  
ext. papers

1,127  
ext. citations

3  
avg, IF

3.69  
L-index

#	Paper	IF	Citations
59	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
58	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
57	Chiral morphing and enantiomeric quantification in mixtures by mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 663-71	7.8	50
56	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
55	Determination of memantine in human plasma by liquid chromatography-electrospray tandem mass spectrometry: application to a bioequivalence study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 848, 311-6	3.2	40
54	Ionic transacetalization with acylium ions: a class-selective and structurally diagnostic reaction for cyclic acetals performed under unique electrospray and atmospheric pressure chemical ionization in-source ion-molecule reaction conditions. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4701-9	7.8	40
53	Isomeric differentiation and quantification of $\beta$ -amino acid-containing tripeptides by the kinetic method: alkali metal-bound dimeric cluster ions. <i>International Journal of Mass Spectrometry</i> , <b>2004</b> , 231, 103-111	1.9	39
52	Absolute configuration assignment of ortho, meta, or para isomers by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 431-436	3.5	30
51	Development and validation of a selective and robust LC-MS/MS method for quantifying amlodipine in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 1049-54	4.4	28
50	Fiber introduction mass spectrometry: fully direct coupling of solid-phase microextraction with mass spectrometry. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5688-92	7.8	26
49	Ion/molecule reactions performed in a miniature cylindrical ion trap mass spectrometer. <i>Analyst, The</i> , <b>2003</b> , 128, 1112-8	5	25
48	Solid phase micro-extraction in a miniature ion trap mass spectrometer. <i>Analyst, The</i> , <b>2003</b> , 128, 1119-225		24
47	Monoterpene indole alkaloids from <i>Palicourea crocea</i> . <i>Journal of Natural Products</i> , <b>2004</b> , 67, 1886-8	4.9	22
46	Determination of Geochemically Important Sterols and Triterpenols in Sediments Using Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry (UHPLC-MS/MS). <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7771-8	7.8	21
45	Gasification of olive oil mill waste by supercritical water in a continuous reactor. <i>Journal of Supercritical Fluids</i> , <b>2018</b> , 142, 10-21	4.2	21
44	Cyclization of acylium ions with nitriles: gas-phase synthesis and characterization of 1,3,5-oxadiazinium ions. <i>International Journal of Mass Spectrometry</i> , <b>2001</b> , 212, 445-454	1.9	21
43	Gas-phase reactions for selective detection of the explosives TNT and RDX. <i>Chemical Communications</i> , <b>2004</b> , 40-1	5.8	20

42	Determination of levocetirizine in human plasma by liquid chromatography-electrospray tandem mass spectrometry: application to a bioequivalence study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 862, 132-9	3.2	19
41	Gas-phase polar [4+ + 2] cycloaddition with ethyl vinyl ether: a structurally diagnostic ion-molecule reaction for 2-azabutadienyl cations. <i>Journal of Mass Spectrometry</i> , <b>2003</b> , 38, 1075-80	2.2	17
40	An Efficient Multigram Synthesis of Hypericin Improved by a Low Power LED Based Photoreactor. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 2025-2031	3.9	16
39	Immune Response Resetting in Ongoing Sepsis. <i>Journal of Immunology</i> , <b>2019</b> , 203, 1298-1312	5.3	15
38	Mono and double polar [4 + 2(+)] Diels-Alder cycloaddition of acylium ions with O-heterodienes. <i>Journal of Mass Spectrometry</i> , <b>2002</b> , 37, 146-54	2.2	14
37	Determination of phthalates in water using fiber introduction mass spectrometry. <i>Analyst, The</i> , <b>2005</b> , 130, 188-92	5	13
36	Transient intermediates of the Tebbe reagent intercepted and characterized by atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 2626-9	2.2	12
35	Gas-phase polar [4++2] cycloaddition of cationic 2-azabutadienes with enol ethers. <i>International Journal of Mass Spectrometry</i> , <b>2001</b> , 210-211, 469-482	1.9	12
34	Curvulin and spirostaphylotrichins R and U from extracts produced by two endophytic sp. associated to aquatic macrophytes with antileishmanial activity. <i>Natural Product Research</i> , <b>2018</b> , 32, 2783-2790 <sup>11</sup>	3.3	11
33	The kinetic method as a structural diagnostic tool: ionized alpha-diketones as loosely one-electron bonded diacylium ion dimers. <i>European Journal of Mass Spectrometry</i> , <b>2003</b> , 9, 295-304	1.1	11
32	Meerwein reaction of phosphonium ions with epoxides and thioepoxides in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 398-405	3.5	11
31	Hydrogen/Chlorine exchange reactions of gaseous carbanions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 2045-51	3.5	10
30	Direct Detection of Triacetone Triperoxide (TATP) in Real Banknotes from ATM Explosion by EASI-MS. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2017</b> , 42, 370-375	1.7	9
29	LC-MS/MS quantitation of plasma progesterone in cattle. <i>Theriogenology</i> , <b>2011</b> , 76, 1266-74.e1-2	2.8	9
28	Pharmacokinetic and local toxicity studies of liposome-encapsulated and plain mepivacaine solutions in rats. <i>Drug Delivery</i> , <b>2010</b> , 17, 68-76	7	9
27	Effect of subcritical water processing on the extraction of compounds, composition, and functional properties of asparagus by-product. <i>Journal of Food Process Engineering</i> , <b>2019</b> , 42, e13060	2.4	7
26	The screening of organic matter in mineral and tap water by UHPLC-HRMS. <i>Talanta</i> , <b>2017</b> , 174, 581-586	6.2	7
25	Determination of dimenhydrinate in human plasma by liquid chromatography-electrospray tandem mass spectrometry: application to a relative bioavailability study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 853, 127-32	3.2	6

24	The atmospheric pressure Meerwein reaction. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 470-6	2.2	6
23	Cyclization reactions of acylium and thioacylium ions with isocyanates and isothiocyanates: gas phase synthesis of 3,4-dihydro-2,4-dioxo-2H-1,3,5-oxadiazinium ions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 1602-7	3.5	6
22	Constituintes polares das folhas de <i>Machaonia brasiliensis</i> (Rubiaceae). <i>Quimica Nova</i> , <b>2004</b> , 27, 525-527	1.6	5
21	Validated method for determination of bromopride in human plasma by liquid chromatography--electrospray tandem mass spectrometry: application to the bioequivalence study. <i>Journal of Mass Spectrometry</i> , <b>2005</b> , 40, 1197-202	2.2	5
20	18-Crown-6 spiking in direct infusion ESIMS analysis of complex mixtures: One ion per analyte relationship facilitating ion assignments and eliminating isobaric interferences. <i>International Journal of Mass Spectrometry</i> , <b>2017</b> , 418, 37-40	1.9	4
19	Determination of Ethyl Carbamate in Sugar Cane Spirit by Direct Injection Electrospray Ionization Tandem Mass Spectrometry Using 18-Crown-6/Trifluoroacetic Acid Spiking Additives. <i>Food Analytical Methods</i> , <b>2019</b> , 12, 69-75	3.4	4
18	A new 20-membered macrocyclic dilactam: an unexpected product of a tri-n-butyltin hydride-mediated radical reaction. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 3317-3320	2	4
17	LC-MS characterization of valsartan degradation products and comparison with LC-PDA. <i>Brazilian Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 51, 839-845	1.8	3
16	Effect of the maceration time on chemical composition of extracts of Brazilian propolis. <i>Journal of Apicultural Research</i> , <b>2006</b> , 45, 137-144	2	3
15	<i>Tibouchina granulosa</i> (Vell.) Cogn (Melastomataceae) as source of endophytic fungi: isolation, identification, and antiprotozoal activity of metabolites from <i>Phyllosticta capitalensis</i> . <i>Brazilian Journal of Microbiology</i> , <b>2020</b> , 51, 557-569	2.2	3
14	Teaching venturi electrospray mass spectrometry with amino acid analysis. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 444, 116183	1.9	2
13	Synthesis of unexpected six-membered imides by free-radical carbocyclisation on carbohydrate templates. <i>Tetrahedron</i> , <b>2004</b> , 60, 9901-9908	2.4	2
12	Structural Study of Phenolic Acids by Triple Quadrupole Mass Spectrometry with Electrospray Ionization in Negative Mode and H/D Isotopic Exchange. <i>Journal of the Brazilian Chemical Society</i> ,	1.5	2
11	Effect of the maceration time on chemical composition of extracts of Brazilian propolis. <i>Journal of Apicultural Research</i> , <b>2006</b> , 45, 137-144	2	2
10	Minutifloroside, a New Bis-Iridoid Glucoside with Antifungal and Antioxidant Activities and Other Constituents from <i>Palicourea minutiflora</i> . <i>Journal of the Brazilian Chemical Society</i> , <b>2020</b> ,	1.5	2
9	Venturi Electrospray Ionization: Principles and Applications. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 431, 50-55	1.9	2
8	On the solvent and counter ion-free mechanism of ketalization reactions of gaseous activated carbonyls. <i>International Journal of Mass Spectrometry</i> , <b>2017</b> , 421, 170-177	1.9	1
7	Mass Spectrometry OMICS Approach to Study Medicinal Chemical Molecular Responses on Living Organisms <b>2015</b> , 5,		1

6	Formal gas-phase polar [4 + 1+] cycloaddition of ionized methylene to alpha-dicarbonyl compounds: synthesis of 2-unsubstituted 1,3-dioxoles. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 735-40	2.2	1
5	Hydroethanolic Extract of Grape Peel from Winemaking Waste: Antinociceptive and Anti-Inflammatory Activities.. <i>Food Technology and Biotechnology</i> , <b>2022</b> , 60, 21-28	2.1	1
4	Improvement of lipid quality on Nile tilapia fillet composition with low protein feeding treatment. <i>Acta Scientiarum - Technology</i> , <b>2020</b> , 42, e45271	0.5	1
3	Characterization of the Activity of Croton tiglium Oil in Hetter's Very Heavy Phenol-Croton Oil Chemical Peels. <i>Dermatologic Surgery</i> , <b>2021</b> , 47, 944-946	1.7	1
2	Anthocyanidins structural study using positive electrospray ionization triple quadrupole mass spectrometry and H/D exchange. <i>Journal of Mass Spectrometry</i> , <b>2018</b> , 53, 1230-1237	2.2	1
1	Tri- and dipeptides identification in whey protein and porcine liver protein hydrolysates by fast LC-MS/MS neutral loss screening and de novo sequencing. <i>Journal of Mass Spectrometry</i> , <b>2021</b> , 56, e4701 <sup>2.2</sup>		0