

# Eduardo C Meurer

## List of Publications by Year in descending order

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67  
papers

1,231  
citations

393982

19  
h-index

395343

33  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Pressure Photoionization Mass Spectrometry. Ionization Mechanism and the Effect of Solvent on the Ionization of Naphthalenes. <i>Analytical Chemistry</i> , 2002, 74, 5470-5479.	3.2	273
2	Probing the Mechanism of the Petasis Olefination Reaction by Atmospheric Pressure Chemical Ionization Mass and Tandem Mass Spectrometry. <i>Organic Letters</i> , 2003, 5, 1391-1394.	2.4	64
3	Chiral Morphing and Enantiomeric Quantification in Mixtures by Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 663-671.	3.2	54
4	Vapors from Ionic Liquids: Reconciling Simulations with Mass Spectrometric Data. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3435-3441.	2.1	51
5	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> , 2007, 848, 311-316.	1.2	49
6	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> , 2003, 75, 4701-4709.	3.2	42
7	Isomeric differentiation and quantification of $\hat{1}\pm$ , $\hat{1}^2$ -amino acid-containing tripeptides by the kinetic method: alkali metal-bound dimeric cluster ions. <i>International Journal of Mass Spectrometry</i> , 2004, 231, 103-111.	0.7	40
8	Development and validation of a selective and robust LC-MS/MS method for quantifying amlodipine in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1049-1054.	1.9	34
9	Gasification of olive oil mill waste by supercritical water in a continuous reactor. <i>Journal of Supercritical Fluids</i> , 2018, 142, 10-21.	1.6	34
10	Absolute configuration assignment of ortho, meta, or para isomers by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 431-436.	1.2	32
11	Fiber Introduction Mass Spectrometry: Fully Direct Coupling of Solid-Phase Microextraction with Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 5688-5692.	3.2	30
12	Solid phase micro-extraction in a miniature ion trap mass spectrometer. <i>Analyst, The</i> , 2003, 128, 1119.	1.7	29
13	Determination of Geochemically Important Sterols and Triterpenols in Sediments Using Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry (UHPLC-MS/MS). <i>Analytical Chemistry</i> , 2015, 87, 7771-7778.	3.2	28
14	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> , 2008, 862, 132-139.	1.2	27
15	Ion/molecule reactions performed in a miniature cylindrical ion trap mass spectrometer. <i>Analyst, The</i> , 2003, 128, 1112.	1.7	26
16	Monoterpene Indole Alkaloids from <i>Palicourea crocea</i> . <i>Journal of Natural Products</i> , 2004, 67, 1886-1888.	1.5	23
17	Cyclization of acylium ions with nitriles: gas-phase synthesis and characterization of 1,3,5-oxadiazinium ions. <i>International Journal of Mass Spectrometry</i> , 2001, 212, 445-454.	0.7	22
18	An Efficient Multigram Synthesis of Hypericin Improved by a Low Power LED Based Photoreactor. <i>Organic Process Research and Development</i> , 2017, 21, 2025-2031.	1.3	22

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19	Gas-phase reactions for selective detection of the explosives TNT and RDX. <i>Chemical Communications</i> , 2004, , 40.	2.2	21
20	Immune Response Resetting in Ongoing Sepsis. <i>Journal of Immunology</i> , 2019, 203, 1298-1312.	0.4	20
21	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> , 2003, 38, 1075-1080.	0.7	18
22	Mono and double polar [4 + 2+] Diels-Alder cycloaddition of acylium ions with O-heterodienes. <i>Journal of Mass Spectrometry</i> , 2002, 37, 146-154.	0.7	17
23	Curvulin and spirostaphylotrichins R and U from extracts produced by two endophytic <i>Bipolaris</i> sp. associated to aquatic macrophytes with antileishmanial activity. <i>Natural Product Research</i> , 2018, 32, 2783-2790.	1.0	16
24	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> , 2019, 42, e13060.	1.5	16
25	The Kinetic Method as a Structural Diagnostic Tool: Ionized $\hat{\pm}$ -Diketones as Loosely One-Electron Bonded Diacylium Ion Dimers. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 295-304.	0.5	15
26	Determination of phthalates in water using fiber introduction mass spectrometry. <i>Analyst</i> , The, 2005, 130, 188.	1.7	15
27	Gas-phase polar [4++2] cycloaddition of cationic 2-azabutadienes with enol ethers. <i>International Journal of Mass Spectrometry</i> , 2001, 210-211, 469-482.	0.7	14
28	Direct Detection of Triacetone Triperoxide (TATP) in Real Banknotes from ATM Explosion by EASI-MS. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 370-375.	1.0	14
29	Transient intermediates of the Tebbe reagent intercepted and characterized by atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2626-2629.	0.7	13
30	Meerwein reaction of phosphonium ions with epoxides and thioepoxides in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 398-405.	1.2	12
31	Hydrogen/chlorine exchange reactions of gaseous carbanions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 2045-2051.	1.2	12
32	Pharmacokinetic and local toxicity studies of liposome-encapsulated and plain mepivacaine solutions in rats. <i>Drug Delivery</i> , 2010, 17, 68-76.	2.5	11
33	LC-MS/MS quantitation of plasma progesterone in cattle. <i>Theriogenology</i> , 2011, 76, 1266-1274.e2.	0.9	10
34	Constituintes polares das folhas de <i>Machaonia brasiliensis</i> (Rubiaceae). <i>Quimica Nova</i> , 2004, 27, 525-527.	0.3	8
35	The screening of organic matter in mineral and tap water by UHPLC-HRMS. <i>Talanta</i> , 2017, 174, 581-586.	2.9	8
36	<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> , 2020, 51, 557-569.	0.8	8

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37	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> , 0, , .	0.6	8
38	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> , 2005, 16, 1602-1607.	1.2	7
39	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> , 2005, 40, 1197-1202.	0.7	7
40	The atmospheric pressure Meerwein reaction. <i>Journal of Mass Spectrometry</i> , 2006, 41, 470-476.	0.7	7
41	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> , 2007, 853, 127-132.	1.2	7
42	Effect of the maceration time on chemical composition of extracts of Brazilian propolis. <i>Journal of Apicultural Research</i> , 2006, 45, 137-144.	0.7	6
43	18-Crown-6 spiking in direct infusion ESI-MS analysis of complex mixtures: One ion per analyte relationship facilitating ion assignments and eliminating isobaric interferences. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 37-40.	0.7	6
44	Venturi Electrospray Ionization: Principles and Applications. <i>International Journal of Mass Spectrometry</i> , 2018, 431, 50-55.	0.7	6
45	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> , 2019, 12, 69-75.	1.3	5
46	A new 20-membered macrocyclic dilactam: an unexpected product of a tri-n-butyltin hydride-mediated radical reaction. <i>Tetrahedron Letters</i> , 2004, 45, 3317-3320.	0.7	4
47	Triand dipeptides identification in whey protein and porcine liver protein hydrolysates by fast LC-MS/MS neutral loss screening and <i>de novo</i> sequencing. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4701.	0.7	4
48	Characterization of the Activity of Croton tiglium Oil in Hetter's Very Heavy Phenol-Croton Oil Chemical Peels. <i>Dermatologic Surgery</i> , 2021, Publish Ahead of Print, 944-946.	0.4	4
49	LC-MS characterization of valsartan degradation products and comparison with LC-PDA. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015, 51, 839-845.	1.2	3
50	Anthocyanidins structural study using positive electrospray ionization triple quadrupole mass spectrometry and H/D exchange. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1230-1237.	0.7	3
51	Teaching venturi electrospray mass spectrometry with amino acid analysis. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116183.	0.7	3
52	Effect of the maceration time on chemical composition of extracts of Brazilian propolis. <i>Journal of Apicultural Research</i> , 2006, 45, 137-144.	0.7	3
53	Synthesis of unexpected six-membered imides by free-radical carbocyclisation on carbohydrate templates. <i>Tetrahedron</i> , 2004, 60, 9901-9908.	1.0	2
54	Formal gas-phase polar [4 + 1+] cycloaddition of ionized methylene to $\alpha,\beta$ -dicarbonyl compounds: synthesis of 2-unsubstituted 1,3-dioxoles. <i>Journal of Mass Spectrometry</i> , 2006, 41, 735-740.	0.7	2

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55	Simple and Fast Method for Identification and Quantification of Anthocyanidins in Berries by Ultra Performance Liquid Chromatography-Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	2
56	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> , 2020, , .	0.6	2
57	Improvement of lipid quality on Nile tilapia fillet composition with low protein feeding treatment. <i>Acta Scientiarum - Technology</i> , 2020, 42, e45271.	0.4	2
58	Mass Spectrometry OMICS Approach to Study Medicinal Chemical Molecular Responses on Living Organisms. , 2015, 5, .		1
59	On the solvent and counter ion-free mechanism of ketalization reactions of gaseous activated carbonyls. <i>International Journal of Mass Spectrometry</i> , 2017, 421, 170-177.	0.7	1
60	Fast Triacylglycerol Screening and Semi-Quantitative Analysis of Fatty Acids in Commercial Oils by DIMS with 18-Crown-6 Ether/Trifluoroacetic Acid Dopants. <i>Journal of the Brazilian Chemical Society</i> , 2018, , .	0.6	1
61	Concomitant Production of Hydrogen, Sodium Acetate, and Polymerized Species from Non-Catalytic Ethanol Dehydrogenation. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
62	IDENTIFICAÇÃO DE ADULTERAÇÃO EM ÓLEOS DE OLIVA: PROBLEMATIZANDO A INTRODUÇÃO DE ESPECTROMETRIA DE MASSAS. <i>Química Nova</i> , 2018, 2018, .	0.3	1
63	Two Years Monitoring of Ethyl Carbamate in Sugar Cane Spirit from Brazilian Distilleries. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
64	Photocatalytic Degradation of Textile dye Orange-122 Via Electrospray Mass Spectrometry. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	1
65	Hydroethanolic Extract of Grape Peel from <i>Vitis labrusca</i> Winemaking Waste: Antinociceptive and Anti-Inflammatory Activities. <i>Food Technology and Biotechnology</i> , 2021, 60, 21-28.	0.9	1
66	Determination of Ethyl Carbamate in Commercial Sweetened Sugar Cane Spirit by ESI-MS/MS Using Modified QuEChERS and 18-Crown-6/Trifluoroacetic Acid Spiking Additives. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
67	BIOPROSPECÇÃO DE PEPTÍDEOS ANTIMICROBIANOS EM LARVAS DE CALLIPHORIDAE (DIPTERA): UMA REVISÃO SISTEMÁTICA SOBRE METODOLOGIAS DE EXTRAÇÃO, PURIFICAÇÃO E DETECÇÃO. <i>Saúde</i> , 2021, 47, .	0.1	0