

# Gabriela Vanini Costa

## List of Publications by Citations

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23  
papers

541  
citations

13  
h-index

23  
g-index

25  
ext. papers

639  
ext. citations

4.5  
avg, IF

3.33  
L-index

#	Paper	IF	Citations
23	An evaluation of the aromaticity of asphaltenes using atmospheric pressure photoionization Fourier transform ion cyclotron resonance mass spectrometry (APPI(+)FT-ICR MS). <i>Fuel</i> , <b>2014</b> , 118, 348-357 <sup>1</sup>	7.1	66
22	Characterization of thermal and catalytic pyrolysis bio-oils by high-resolution techniques: 1H NMR, GC (GC-TOFMS and FT-ICR MS). <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 117, 257-267	6	65
21	FT-ICR MS analysis of asphaltenes: Asphaltenes go in, fullerenes come out. <i>Fuel</i> , <b>2014</b> , 131, 49-58	7.1	62
20	Assessing the chemical composition of bio-oils using FT-ICR mass spectrometry and comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Microchemical Journal</i> , <b>2014</b> , 117, 68-76	4.8	58
19	Qualitative analysis of designer drugs by paper spray ionisation mass spectrometry (PSI-MS). <i>Analytical Methods</i> , <b>2016</b> , 8, 614-620	3.2	35
18	Evidencing the crude oil corrosion by Raman spectroscopy, atomic force microscopy and electrospray ionization FT-ICR mass spectrometry. <i>Fuel</i> , <b>2015</b> , 139, 328-336	7.1	34
17	Monitoring the degradation and the corrosion of naphthenic acids by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry and atomic force microscopy. <i>Fuel</i> , <b>2014</b> , 126, 85-95	7.1	31
16	Multivariate optimisation of ICP OES instrumental parameters for Pb/Ba/Sb measurement in gunshot residues. <i>Microchemical Journal</i> , <b>2015</b> , 120, 58-63	4.8	25
15	Forensic ballistics by inductively coupled plasma-optical emission spectroscopy: Quantification of gunshot residues and prediction of the number of shots using different firearms. <i>Microchemical Journal</i> , <b>2015</b> , 118, 19-25	4.8	23
14	Rapid hydrocarbon group-type semi-quantification in crude oils by comprehensive two-dimensional gas chromatography. <i>Fuel</i> , <b>2018</b> , 220, 379-388	7.1	23
13	Analytical advanced techniques in the molecular-level characterization of Brazilian crude oils. <i>Microchemical Journal</i> , <b>2018</b> , 137, 111-118	4.8	21
12	Characterization of nonvolatile polar compounds from Brazilian oils by electrospray ionization with FT-ICR MS and Orbitrap-MS. <i>Fuel</i> , <b>2020</b> , 282, 118790	7.1	19
11	Analysis of gunshot residues produced by .38 caliber handguns using inductively coupled plasma-optical emission spectroscopy (ICP OES). <i>Microchemical Journal</i> , <b>2014</b> , 115, 106-112	4.8	15
10	Chemical profiling and classification of cannabis through electrospray ionization coupled to Fourier transform ion cyclotron resonance mass spectrometry and chemometrics. <i>Analytical Methods</i> , <b>2017</b> , 9, 4070-4081	3.2	13
9	Europium(III) organic complex as luminescent marker for the visual identification of gunshot residue and characterization by electrospray ionization FT-ICR mass spectrometry. <i>Microchemical Journal</i> , <b>2014</b> , 116, 216-224	4.8	12
8	First synthesis of aminonaphthoquinones derived from lawsone in a colloidal dispersion system created by a Brønsted acid-surfactant-combined catalyst in water: An environmentally friendly protocol. <i>Colloids and Interface Science Communications</i> , <b>2015</b> , 4, 14-18	5.4	8
7	<i>Dendranthema grandiflorum</i> , a hybrid ornamental plant, is a source of larvicidal compounds against <i>Aedes aegypti</i> larvae. <i>Revista Brasileira De Farmacognosia</i> , <b>2016</b> , 26, 342-346	2	8

6	Comprehensive and multidimensional tools for crude oil property prediction and petrochemical industry refinery inferences. <i>Fuel</i> , <b>2018</b> , 223, 188-197	7.1	7
5	Secondary Metabolites from Leaves of <i>Manilkara subsericea</i> (Mart.) Dubard. <i>Pharmacognosy Magazine</i> , <b>2015</b> , 11, S533-7	0.8	6
4	PET glycolysis optimization using ionic liquid [Bmin]ZnCl <sub>3</sub> as catalyst and kinetic evaluation. <i>Polimeros</i> , <b>2018</b> , 28, 450-459	1.6	6
3	Detection of Pb, Ba, and Sb in Blowfly Larvae of Porcine Tissue Contaminated with Gunshot Residue by ICP OES. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-6	2.3	1
2	Understanding the molecular composition of petroleum and its distillation cuts. <i>Fuel</i> , <b>2021</b> , 311, 122594	7.1	1
1	Chemical and statistical analyses of blotter paper matrix drugs seized in the State of Rio de Janeiro. <i>Forensic Science International</i> , <b>2021</b> , 318, 110588	2.6	1