

# Gabriela Vanini Costa

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

712  
citations

566801

15  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2014, 118, 348-357.	3.4	82
2	Characterization of thermal and catalytic pyrolysis bio-oils by high-resolution techniques: <sup>1</sup> H NMR, GC – GC-TOFMS and FT-ICR MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 257-267.	2.6	80
3	FT-ICR MS analysis of asphaltenes: Asphaltenes go in, fullerenes come out. <i>Fuel</i> , 2014, 131, 49-58.	3.4	75
4	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> , 2014, 117, 68-76.	2.3	70
5	Characterization of nonvolatile polar compounds from Brazilian oils by electrospray ionization with FT-ICR MS and Orbitrap-MS. <i>Fuel</i> , 2020, 282, 118790.	3.4	44
6	Evidencing the crude oil corrosion by Raman spectroscopy, atomic force microscopy and electrospray ionization FT-ICR mass spectrometry. <i>Fuel</i> , 2015, 139, 328-336.	3.4	41
7	Qualitative analysis of designer drugs by paper spray ionisation mass spectrometry (PSI-MS). <i>Analytical Methods</i> , 2016, 8, 614-620.	1.3	38
8	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> , 2014, 126, 85-95.	3.4	35
9	Analytical advanced techniques in the molecular-level characterization of Brazilian crude oils. <i>Microchemical Journal</i> , 2018, 137, 111-118.	2.3	30
10	Rapid hydrocarbon group-type semi-quantification in crude oils by comprehensive two-dimensional gas chromatography. <i>Fuel</i> , 2018, 220, 379-388.	3.4	29
11	Multivariate optimisation of ICP OES instrumental parameters for Pb/Ba/Sb measurement in gunshot residues. <i>Microchemical Journal</i> , 2015, 120, 58-63.	2.3	28
12	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> , 2015, 118, 19-25.	2.3	25
13	Europium – 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> , 2014, 116, 216-224.	2.3	19
14	Chemical profiling and classification of cannabis through electrospray ionization coupled to Fourier transform ion cyclotron resonance mass spectrometry and chemometrics. <i>Analytical Methods</i> , 2017, 9, 4070-4081.	1.3	17
15	Analysis of gunshot residues produced by .38 caliber handguns using inductively coupled plasma-optical emission spectroscopy (ICP OES). <i>Microchemical Journal</i> , 2014, 115, 106-112.	2.3	16
16	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> , 2015, 4, 14-18.	2.0	15
17	PET glycolysis optimization using ionic liquid [Bmin]ZnCl <sub>3</sub> as catalyst and kinetic evaluation. <i>Polimeros</i> , 2018, 28, 450-459.	0.2	15
18	<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> , 2016, 26, 342-346.	0.6	10

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19	Chemical and statistical analyses of blotter paper matrix drugs seized in the State of Rio de Janeiro. <i>Forensic Science International</i> , 2021, 318, 110588.	1.3	10
20	Understanding the molecular composition of petroleum and its distillation cuts. <i>Fuel</i> , 2022, 311, 122594.	3.4	10
21	Comprehensive and multidimensional tools for crude oil property prediction and petrochemical industry refinery inferences. <i>Fuel</i> , 2018, 223, 188-197.	3.4	8
22	Secondary metabolites from leaves of <i>Manilkara subsericea</i> (Mart.) Dubard. <i>Pharmacognosy Magazine</i> , 2015, 11, 533.	0.3	6
23	Detection of Pb, Ba, and Sb in Blowfly Larvae of Porcine Tissue Contaminated with Gunshot Residue by ICP OES. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	0.9	4
24	Despolimeriza�o Qu�mica de PET Grau Garrafa P�s consumo na Presen�a de um Catalisador Cati�nico, o Brometo de Hexadeciltrimetilam�nio (CTAB). <i>Polimeros</i> , 2013, 23, 425-431.	0.2	4
25	2-(4-iodine-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]etamine or 25i-NBOMe: Chemical characterization of a designer drug. <i>Quimica Nova</i> , 2015, , .	0.3	1