

# Vincent Varlet

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

1,159  
citations

15  
h-index

33  
g-index

49  
ext. papers

1,332  
ext. citations

3.6  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
48	Comparison of odor-active volatile compounds of fresh and smoked salmon. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 3391-401	5.7	147
47	E-Cigarettes: A Review of New Trends in Cannabis Use. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 9988-10008	4.6	144
46	Volatile aldehydes in smoked fish: Analysis methods, occurrence and mechanisms of formation. <i>Food Chemistry</i> , <b>2007</b> , 105, 1536-1556	8.5	125
45	Innovative method for determination of 19 polycyclic aromatic hydrocarbons in food and oil samples using gas chromatography coupled to tandem mass spectrometry based on an isotope dilution approach. <i>Journal of Chromatography A</i> , <b>2007</b> , 1149, 333-44	4.5	116
44	Toxicity assessment of refill liquids for electronic cigarettes. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 4796-815	4.6	91
43	Characterization of the most odor-active volatiles of orange wine made from a Turkish cv. Kozan ( <i>Citrus sinensis</i> L. Osbeck). <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 227-34	5.7	62
42	Drug vaping applied to cannabis: Is "Cannavaping" a therapeutic alternative to marijuana?. <i>Scientific Reports</i> , <b>2016</b> , 6, 25599	4.9	45
41	Determination of PAH profiles by GC-MS/MS in salmon processed by four cold-smoking techniques. <i>Food Additives and Contaminants</i> , <b>2007</b> , 24, 744-57		40
40	Organoleptic characterization and PAH content of salmon ( <i>Salmo salar</i> ) fillets smoked according to four industrial smoking techniques. <i>Journal of the Science of Food and Agriculture</i> , <b>2007</b> , 87, 847-854	4.3	38
39	When gas analysis assists with postmortem imaging to diagnose causes of death. <i>Forensic Science International</i> , <b>2015</b> , 251, 1-10	2.6	30
38	Olfactometric determination of the most potent odor-active compounds in salmon muscle ( <i>Salmo salar</i> ) smoked by using four smoke generation techniques. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 4518-25	5.7	26
37	Hydrogen sulfide measurement by headspace-gas chromatography-mass spectrometry (HS-GC-MS): application to gaseous samples and gas dissolved in muscle. <i>Journal of Analytical Toxicology</i> , <b>2015</b> , 39, 52-7	2.9	24
36	New trends in the kitchen: propellants assessment of edible food aerosol sprays used on food. <i>Food Chemistry</i> , <b>2014</b> , 142, 311-7	8.5	21
35	Accuracy profile validation of a new method for carbon monoxide measurement in the human blood using headspace-gas chromatography-mass spectrometry (HS-GC-MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 880, 125-31	3.2	21
34	Innovative method for carbon dioxide determination in human postmortem cardiac gas samples using headspace-gas chromatography-mass spectrometry and stable labeled isotope as internal standard. <i>Analytica Chimica Acta</i> , <b>2013</b> , 784, 42-6	6.6	20
33	A new approach for the carbon monoxide (CO) exposure diagnosis: measurement of total CO in human blood versus carboxyhemoglobin (HbCO). <i>Journal of Forensic Sciences</i> , <b>2013</b> , 58, 1041-6	1.8	15
32	New procedure for the study of odour representativeness of aromatic extracts from smoked salmon. <i>Food Chemistry</i> , <b>2007</b> , 100, 820-829	8.5	15

31	Stability of postmortem methemoglobin: Artifactual changes caused by storage conditions. <i>Forensic Science International</i> , <b>2018</b> , 283, 21-28	2.6	14
30	Gas analysis of exhumed cadavers buried for 30 years: a case report about long time alteration. <i>International Journal of Legal Medicine</i> , <b>2014</b> , 128, 719-24	3.1	14
29	Postmortem Internal Gas Reservoir Monitoring Using GC-IRTOF-MS. <i>Separations</i> , <b>2016</b> , 3, 24	3.1	14
28	Carbon monoxide analysis method in human blood by Airtight Gas Syringe - Gas Chromatography - Mass Spectrometry (AGS-GC-MS): Relevance for postmortem poisoning diagnosis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1090, 81-89	3.2	13
27	Accuracy profile validation of a new analytical method for butane measurement using headspace-gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 913-914, 155-60	3.2	12
26	Drug Vaping: From the Dangers of Misuse to New Therapeutic Devices. <i>Toxics</i> , <b>2016</b> , 4,	4.7	12
25	A minimally-invasive method for profiling volatile organic compounds within postmortem internal gas reservoirs. <i>International Journal of Legal Medicine</i> , <b>2017</b> , 131, 1271-1281	3.1	11
24	Confirmation of natural gas explosion from methane quantification by headspace gas chromatography-mass spectrometry (HS-GC-MS) in postmortem samples: a case report. <i>International Journal of Legal Medicine</i> , <b>2013</b> , 127, 413-8	3.1	10
23	Helium poisoning: new procedure for sampling and analysis. <i>International Journal of Legal Medicine</i> , <b>2019</b> , 133, 1809-1818	3.1	8
22	Fatal intravenous injection of potassium: Is postmortem biochemistry useful for the diagnosis?. <i>Forensic Science International</i> , <b>2017</b> , 274, 27-32	2.6	7
21	Accuracy profile validation of a new analytical method for propane measurement using headspace-gas chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2014</b> , 38, 73-9	2.9	6
20	Validation of an analytical method for nitrous oxide (N <sub>2</sub> O) laughing gas by headspace gas chromatography coupled to mass spectrometry (HS-GC-MS): forensic application to a lethal intoxication. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2015</b> , 983-984, 99-9	3.2	6
19	Toward safer thanatopraxy cares: formaldehyde-releasers use. <i>Journal of Anatomy</i> , <b>2019</b> , 235, 863-872	2.9	5
18	Volatile lipophilic substances management in case of fatal sniffing. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2017</b> , 52, 35-39	1.7	5
17	Indirect hydrogen analysis by gas chromatography coupled to mass spectrometry (GC-MS). <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 914-8	2.2	5
16	A fatal case of oxygen embolism in a hospital. <i>Forensic Sciences Research</i> , <b>2017</b> , 2, 100-106	3.6	4
15	Smoke Flavoring Technology in Seafood <b>2009</b> , 233-254		4
14	Revolution in death sciences: body farms and taphonomics blooming. A review investigating the advantages, ethical and legal aspects in a Swiss context. <i>International Journal of Legal Medicine</i> , <b>2020</b> , 134, 1875-1895	3.1	4

13	New strategy for carbon monoxide poisoning diagnosis: Carboxyhemoglobin (COHb) vs Total Blood Carbon Monoxide (TBCO). <i>Forensic Science International</i> , <b>2020</b> , 306, 110063	2.6	4
12	Blood monitoring of perfluorocarbon compounds (F-tert-butylcyclohexane, perfluoromethyldecalin and perfluorodecalin) by headspace-gas chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2015</b> , 144, 196-203	6.2	3
11	Understanding scuba diving fatalities: carbon dioxide concentrations in intra-cardiac gas. <i>Diving and Hyperbaric Medicine</i> , <b>2017</b> , 47, 75-81	1	3
10	Monitoring of aglycons of yew glycosides (3,5-dimethoxyphenol, myrtenol and 1-octen-3-ol) as first indicator of yew presence. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 474-9	3.5	3
9	L'argon : utilisations, toxicité et stratégie analytique en toxicologie médico-légale. <i>Toxicologie Analytique Et Clinique</i> , <b>2012</b> , 24, 185-192	0.4	3
8	Disturbances of glucose metabolism associated with the use of psychotropic drugs: A post-mortem evaluation. <i>Forensic Science International</i> , <b>2017</b> , 274, 33-37	2.6	2
7	Xenon detection in human blood: Analytical validation by accuracy profile and identification of critical storage parameters. <i>Journal of Clinical Forensic and Legal Medicine</i> , <b>2018</b> , 58, 14-19	1.7	2
6	Validation of methane measurement using headspace-GC-MS and quantification by a stable isotope-labeled internal standard generated in situ. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 1967-72	3.4	2
5	What are the limitations of methods to measure carbon monoxide in biological samples?. <i>Forensic Toxicology</i> , <b>2020</b> , 38, 1-14	2.6	2
4	Xenon: From medical applications to doping uses. <i>Toxicologie Analytique Et Clinique</i> , <b>2017</b> , 29, 309-319	0.4	1
3	The big puzzle: A critical review of virtual re-association methods for fragmented human remains in a DVI context'. <i>Forensic Science International</i> , <b>2021</b> , 330, 111033	2.6	0
2	Intoxications létales à l'imisulpride en Suisse romande depuis 2005 : concentrations sanguines thérapeutiques, toxiques et létales. <i>Toxicologie Analytique Et Clinique</i> , <b>2014</b> , 26, 61-67	0.4	
1	Response-to-comments about: "Is it really the method for carbon dioxide determination in human postmortem cardiac gas samples using Headspace-Gas Chromatography-Mass Spectrometry valid?" from T. Saffaj and B. Ihssane. <i>Analytica Chimica Acta</i> , <b>2014</b> , 810, 43-4	6.6	