

# Vincent Varlet

## List of Publications by Year in Descending Order

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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	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
47	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
46	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
45	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
44	Helium poisoning: new procedure for sampling and analysis. <i>International Journal of Legal Medicine</i> , <b>2019</b> , 133, 1809-1818	3.1	8
43	Toward safer thanatopraxy cares: formaldehyde-releasers use. <i>Journal of Anatomy</i> , <b>2019</b> , 235, 863-872	2.9	5
42	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
41	Stability of postmortem methemoglobin: Artifacts changes caused by storage conditions. <i>Forensic Science International</i> , <b>2018</b> , 283, 21-28	2.6	14
40	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
39	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
38	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
37	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
36	Xenon: From medical applications to doping uses. <i>Toxicologie Analytique Et Clinique</i> , <b>2017</b> , 29, 309-319	0.4	1
35	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
34	A fatal case of oxygen embolism in a hospital. <i>Forensic Sciences Research</i> , <b>2017</b> , 2, 100-106	3.6	4
33	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
32	Drug vaping applied to cannabis: Is "Cannavaping" a therapeutic alternative to marijuana?. <i>Scientific Reports</i> , <b>2016</b> , 6, 25599	4.9	45

31	Drug Vaping: From the Dangers of Misuse to New Therapeutic Devices. <i>Toxics</i> , <b>2016</b> , 4,	4.7	12
30	Postmortem Internal Gas Reservoir Monitoring Using GC-C-HRTOF-MS. <i>Separations</i> , <b>2016</b> , 3, 24	3.1	14
29	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
28	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
27	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
26	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
25	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, 90-3	3.2	6
24	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
23	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
22	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
21	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
20	Intoxications létales d'émisulpride 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	
19	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	
18	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
17	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
16	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
15	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
14	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

13	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
12	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
11	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
10	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
9	Smoke Flavoring Technology in Seafood <b>2009</b> , 233-254		4
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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