Tommaso Lomonaco

List of Publications by Year
in descending order

56	1,391	331538	360920
papers	citations	21 h-index	35 g-index

58	58	58	1627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Saliva sampling: Methods and devices. An overview. TrAC - Trends in Analytical Chemistry, 2020, 124, 115781.	5.8	149
2	Release of harmful volatile organic compounds (VOCs) from photo-degraded plastic debris: A neglected source of environmental pollution. Journal of Hazardous Materials, 2020, 394, 122596.	6.5	118
3	Temperature and pH sensors based on graphenic materials. Biosensors and Bioelectronics, 2017, 91, 870-877.	5.3	83
4	Sensors and Biosensors for C-Reactive Protein, Temperature and pH, and Their Applications for Monitoring Wound Healing: A Review. Sensors, 2017, 17, 2952.	2.1	81
5	Comparison of sampling bags for the analysis of volatile organic compounds in breath. Journal of Breath Research, 2015, 9, 047110.	1.5	59
6	Temperature- and pH-sensitive wearable materials for monitoring foot ulcers. International Journal of Nanomedicine, 2017, Volume 12, 949-954.	3.3	53
7	Potentiometric sensor for non invasive lactate determination in human sweat. Analytica Chimica Acta, 2017, 989, 80-87.	2.6	52
8	Determination of volatile organic compounds in exhaled breath of heart failure patients by needle trap micro-extraction coupled with gas chromatography-tandem mass spectrometry. Journal of Breath Research, 2017, 11, 047110.	1.5	50
9	New methodologies for the detection, identification, and quantification of microplastics and their environmental degradation by-products. Environmental Science and Pollution Research, 2021, 28, 46764-46780.	2.7	43
10	A benchmarking protocol for breath analysis: the peppermint experiment. Journal of Breath Research, 2020, 14, 046008.	1.5	41
11	Determination of salivary Î±-amylase and cortisol in psoriatic subjects undergoing the Trier Social Stress Test. Microchemical Journal, 2018, 136, 177-184.	2.3	38
12	The effect of sampling procedures on the urate and lactate concentration in oral fluid. Microchemical Journal, 2018, 136, 255-262.	2.3	37
13	Measurement of Warfarin in the Oral Fluid of Patients Undergoing Anticoagulant Oral Therapy. PLoS ONE, 2011, 6, e28182.	1.1	33
14	Monitoring breath during oral glucose tolerance tests. Journal of Breath Research, 2013, 7, 017115.	1.5	32
15	Determination of total and unbound warfarin and warfarin alcohols in human plasma by high performance liquid chromatography with fluorescence detection. Journal of Chromatography A, 2013, 1314, 54-62.	1.8	31
16	Determination of sevoflurane and isopropyl alcohol in exhaled breath by thermal desorption gas chromatographyâ€“mass spectrometry for exposure assessment of hospital staff. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 218-223.	1.4	29
17	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. Physics of Fluids, 2021, 33, 037122.	1.6	29
18	Plastic breeze: Volatile organic compounds (VOCs) emitted by degrading macro- and microplastics analyzed by selected ion flow-tube mass spectrometry. Chemosphere, 2021, 270, 128612.	4.2	25

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19	Influence of Sampling on the Determination of Warfarin and Warfarin Alcohols in Oral Fluid. PLoS ONE, 2014, 9, e114430.	1.1	25
20	Salivary lactate and 8-isoprostaglandin F2Î± as potential non-invasive biomarkers for monitoring heart failure: a pilot study. Scientific Reports, 2020, 10, 7441.	1.6	23
21	Monitoring of warfarin therapy: Preliminary results from a longitudinal pilot study. Microchemical Journal, 2018, 136, 170-176.	2.3	22
22	Using labelled internal standards to improve needle trap micro-extraction technique prior to gas chromatography/mass spectrometry. Talanta, 2019, 200, 145-155.	2.9	22
23	A dual mode breath sampler for the collection of the end-tidal and dead space fractions. Medical Engineering and Physics, 2015, 37, 539-544.	0.8	21
24	Micro-extraction by packed sorbent combined with UHPLC-ESI-MS/MS for the determination of prostanoids and isoprostanoids in dried blood spots. Talanta, 2020, 206, 120236.	2.9	21
25	A Graphenic Biosensor for Real-Time Monitoring of Urea During Dialysis. IEEE Sensors Journal, 2020, 20, 4571-4578.	2.4	20
26	Saliva as a non-invasive tool for monitoring oxidative stress in swimmers athletes performing a VO2max cycle ergometer test. Talanta, 2020, 216, 120979.	2.9	20
27	A graphene oxide pH sensor for wound monitoring. , 2016, 2016, 1898-1901.		19
28	The peppermint breath test: a benchmarking protocol for breath sampling and analysis using GCâ€“MS. Journal of Breath Research, 2021, 15, 026006.	1.5	19
29	Determination of carbonyl compounds in exhaled breath by on-sorbent derivatization coupled with thermal desorption and gas chromatography-tandem mass spectrometry. Journal of Breath Research, 2018, 12, 046004.	1.5	17
30	Determination and stability of N-terminal pro-brain natriuretic peptide in saliva samples for monitoring heart failure. Scientific Reports, 2021, 11, 13088.	1.6	17
31	MS-based targeted profiling of oxylipins in COVID-19: A new insight into inflammation regulation. Free Radical Biology and Medicine, 2022, 180, 236-243.	1.3	17
32	HS-SPME-GC-MS approach for the analysis of volatile salivary metabolites and application in a case study for the indirect assessment of gut microbiota. Analytical and Bioanalytical Chemistry, 2019, 411, 7551-7562.	1.9	15
33	The peppermint breath test benchmark for PTR-MS and SIFT-MS. Journal of Breath Research, 2021, 15, 046005.	1.5	15
34	Stability of volatile organic compounds in sorbent tubes following SARS-CoV-2 inactivation procedures. Journal of Breath Research, 2021, 15, 037102.	1.5	12
35	A breath sampling system assessing the influence of respiratory rate on exhaled breath composition. , 2015, 2015, 7618-21.		10
36	Cannabidiol Determination on Peripheral Capillary Blood Using a Microsampling Method and Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry with On-Line Sample Preparation. Molecules, 2020, 25, 3608.	1.7	10

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37	Biosensors for Detecting Lymphocytes and Immunoglobulins. Biosensors, 2020, 10, 155.	2.3	10
38	Effects of long-term vegan diet on breath composition. Journal of Breath Research, 2022, 16, 026004.	1.5	10
39	Salivary Biomarkers for Diagnosis and Therapy Monitoring in Patients with Heart Failure. A Systematic Review. Diagnostics, 2021, 11, 824.	1.3	7
40	A Volumetric Absorptive Microsampling Technique to Monitor Cannabidiol Levels in Epilepsy Patients. Frontiers in Pharmacology, 2020, 11, 582286.	1.6	7
41	The Mediterranean Diet Positively Affects Resting Metabolic Rate and Salivary Microbiota in Human Subjects: A Comparison with the Vegan Regimen. Biology, 2021, 10, 1292.	1.3	7
42	A computational approach for the estimation of heart failure patients status using saliva biomarkers. , 2017, 2017, 3648-3651.		6
43	Determination of warfarin and warfarin alcohols in dried blood spots by ultra-high performance liquid chromatography coupled to electrospray ionization-tandem mass spectrometry (UHPLC-ESI-MS/MS). Microchemical Journal, 2018, 136, 247-254.	2.3	6
44	KardiaTool: An Integrated POC Solution for Non-invasive Diagnosis and Therapy Monitoring of Heart Failure Patients. , 2018, 2018, 3878-3881.		5
45	Validation and Application of a Derivatization-Free RP-HPLC-DAD Method for the Determination of Low Molecular Weight Salivary Metabolites. International Journal of Environmental Research and Public Health, 2020, 17, 6158.	1.2	5
46	OxInflammation at High Altitudes: A Proof of Concept from the Himalayas. Antioxidants, 2022, 11, 368.	2.2	5
47	Predicting Heart Failure Patient Events by Exploiting Saliva and Breath Biomarkers Information. , 2017, , .		3
48	Estimation of Heart Failure Patients Medication Adherence through the Utilization of Saliva and Breath Biomarkers and Data Mining Techniques. , 2017, , .		3
49	Sport in Town: The Smart Healthy ENV Project, a Pilot Study of Physical Activity with Multiparametric Monitoring. International Journal of Environmental Research and Public Health, 2021, 18, 2432.	1.2	3
50	Determination of peppermint compounds in breath by needle trap micro-extraction coupled with gas chromatographyâ€“tandem mass spectrometry. Journal of Breath Research, 2021, 15, 016014.	1.5	2
51	Methodological aspects of dried blood spot sampling for the determination of isoprostanoids and prostanoids. Microchemical Journal, 2022, 175, 107212.	2.3	2
52	Editorial: Metabolomics in the Study of Unconventional Biological Matrices. Frontiers in Chemistry, 2021, 9, 736661.	1.8	1
53	Fast, Direct Dihydrouracil Quantitation in Human Saliva: Method Development, Validation, and Application. International Journal of Environmental Research and Public Health, 2022, 19, 6033.	1.2	1
54	C0513: A Non-Invasive Approach for Monitoring Patients Undergoing Anticoagulant Therapy. Thrombosis Research, 2014, 133, S89-S90.	0.8	0

#	Article	IF	Citations
55	A sampler prototype for the simultaneous collection of exhaled air and breath condensate. , 2019, 2019, 2226-2229.		0
56	Understanding the Source, Distribution, and Fate of Micro- and Nanoplastics in Natural Water Bodies. Environmental Science and Engineering, 2021, , 2167-2171.	0.1	0