

Massimo Onor

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.

105
papers

2,088
citations

27
h-index

37
g-index

107
ext. papers

2,343
ext. citations

4.7
avg, IF

4.72
L-index

#	Paper	IF	Citations
105	Time-dependent influence of high glucose environment on the metabolism of neuronal immortalized cells.. <i>Analytical Biochemistry</i> , 2022 , 114607	3.1	1
104	Fast, Direct Dihydrouracil Quantitation in Human Saliva: Method Development, Validation, and Application. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19, 6033	4.6	1
103	In situ microwave assisted extraction of clove buds to isolate essential oil, polyphenols, and lignocellulosic compounds. <i>Industrial Crops and Products</i> , 2021 , 161, 113203	5.9	7
102	Unraveling the Extracellular Metabolism of Immortalized Hippocampal Neurons Under Normal Growth Conditions. <i>Frontiers in Chemistry</i> , 2021 , 9, 621548	5	1
101	Antibacterial LDPE-based nanocomposites with salicylic and rosmarinic acid-modified layered double hydroxides. <i>Applied Clay Science</i> , 2021 , 214, 106276	5.2	2
100	Polyatomic Liquid Oxygen (PLO ₂): A new methodology for the production in aqueous solution of reactive oxygen and nitrogen species (RONS) to be applied in medical treatments. <i>AIP Advances</i> , 2021 , 11, 125218	1.5	
99	Evaluation of Microbial Adhesion and Biofilm Formation on Nano-Structured and Nano-Coated Ortho-Prosthetic Materials by a Dynamic Model. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
98	Thallium pollution in water, soils and plants from a past-mining site of Tuscany: Sources, transfer processes and toxicity. <i>Journal of Geochemical Exploration</i> , 2020 , 209, 106434	3.8	19
97	Validation and Application of a Derivatization-Free RP-HPLC-DAD Method for the Determination of Low Molecular Weight Salivary Metabolites. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
96	Application of direct analysis in real time to study chemical vapor generation mechanisms: reduction of dimethylarsinic(V) acid with aqueous NaBH under non-analytical conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7603-7613	4.4	4
95	Application of direct analysis in real time to the study of chemical vapor generation mechanisms: identification of intermediate hydrolysis products of amine-boranes. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1569-1578	4.4	5
94	Effect of altitude and distance from the sea on fractionation processes of Persistent Organic Pollutants (POPs) associated to atmospheric aerosol from Ross Sea to Dome C, Antarctica. <i>Microchemical Journal</i> , 2019 , 149, 103911	4.8	5
93	Certification of nitrate in spinach powder reference material SPIN-1 by high-precision isotope dilution GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3435-3445	4.4	5
92	Metal Resistance in Bacteria from Contaminated Arctic Sediment is Driven by Metal Local Inputs. <i>Archives of Environmental Contamination and Toxicology</i> , 2019 , 77, 291-307	3.2	7
91	Using labelled internal standards to improve needle trap micro-extraction technique prior to gas chromatography/mass spectrometry. <i>Talanta</i> , 2019 , 200, 145-155	6.2	16
90	Heavy metal tolerance and polychlorinated biphenyl oxidation in bacterial communities inhabiting the Pasvik River and the Varanger Fjord area (Arctic Norway). <i>Marine Pollution Bulletin</i> , 2019 , 141, 535-549	6.7	7
89	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7551-7562	4.4	12

88	Toxicity of Thallium at Low Doses: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	14
87	Neurotoxicity Induced by Low Thallium Doses in Living Hippocampal Neurons: Evidence of Early Onset Mitochondrial Dysfunction and Correlation with Ethanol Production. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 451-459	5.7	15
86	Influence of environmental and anthropogenic parameters on thallium oxidation state in natural waters. <i>Chemosphere</i> , 2018 , 196, 1-8	8.4	19
85	Fluorescent LDPE and PLA nanocomposites containing fluorescein-modified layered double hydroxides and their ON/OFF responsive behavior towards humidity. <i>European Polymer Journal</i> , 2018 , 99, 189-201	5.2	8
84	Mechanism of action of additives in chemical vapor generation of hydrogen selenide: Iodide and thiocyanate. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 145, 122-131	3.1	4
83	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). <i>Microchemical Journal</i> , 2018 , 136, 247-254	4.8	5
82	Monitoring of warfarin therapy: Preliminary results from a longitudinal pilot study. <i>Microchemical Journal</i> , 2018 , 136, 170-176	4.8	19
81	The effect of sampling procedures on the urate and lactate concentration in oral fluid. <i>Microchemical Journal</i> , 2018 , 136, 255-262	4.8	27
80	Determination of carbonyl compounds in exhaled breath by on-sorbent derivatization coupled with thermal desorption and gas chromatography-tandem mass spectrometry. <i>Journal of Breath Research</i> , 2018 , 12, 046004	3.1	9
79	Determination of total dissolved nitrogen in seawater by isotope dilution gas chromatography mass spectrometry following digestion with persulfate and derivatization with aqueous triethyloxonium. <i>Journal of Chromatography A</i> , 2018 , 1569, 193-199	4.5	5
78	Behavior and kinetic of hydrolysis of amine boranes in acid media employed in chemical vapor generation. <i>Analytica Chimica Acta</i> , 2018 , 998, 28-36	6.6	6
77	Determination of total cyanide in soil by isotope dilution GC/MS following pentafluorobenzyl derivatization. <i>Analytica Chimica Acta</i> , 2017 , 961, 74-81	6.6	11
76	Thallium release from acid mine drainages: Speciation in river and tap water from Valdicastello mining district (northwest Tuscany). <i>Talanta</i> , 2017 , 171, 255-261	6.2	40
75	Rapid determination of nitrate in vegetables by gas chromatography mass spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 980, 33-40	6.6	36
74	Determination of volatile organic compounds in exhaled breath of heart failure patients by needle trap micro-extraction coupled with gas chromatography-tandem mass spectrometry. <i>Journal of Breath Research</i> , 2017 , 11, 047110	3.1	34
73	Thallium stimulates ethanol production in immortalized hippocampal neurons. <i>PLoS ONE</i> , 2017 , 12, e0183351	3.7	12
72	Potentiometric sensor for non invasive lactate determination in human sweat. <i>Analytica Chimica Acta</i> , 2017 , 989, 80-87	6.6	35
71	Indole-3-acetic acid in plant-pathogen interactions: a key molecule for in planta bacterial virulence and fitness. <i>Research in Microbiology</i> , 2016 , 167, 774-787	4	17

70	Studies on photochemical vapor generation of selenium with germicidal low power ultraviolet mercury lamp. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 126, 11-16	3.1	17
69	Human exposure to thallium through tap water: A study from Valdicastello Carducci and Pietrasanta (northern Tuscany, Italy). <i>Science of the Total Environment</i> , 2016 , 548-549, 33-42	10.2	65
68	New polymeric sorbent for the solid-phase extraction of indole-3-acetic acid from plants followed by liquid chromatography [Fluorescence detector]. <i>Microchemical Journal</i> , 2016 , 128, 68-74	4.8	10
67	Determination of thiocyanate in saliva by headspace gas chromatography-mass spectrometry, following a single-step aqueous derivatization with triethyloxonium tetrafluoroborate. <i>Journal of Chromatography A</i> , 2015 , 1400, 124-30	4.5	26
66	Ovalbumin labeling with p-hydroxymercurybenzoate: The effect of different denaturing agents and the kinetics of reaction. <i>Analytical Biochemistry</i> , 2015 , 483, 27-33	3.1	1
65	Comparison of sampling bags for the analysis of volatile organic compounds in breath. <i>Journal of Breath Research</i> , 2015 , 9, 047110	3.1	43
64	Determination of sevoflurane and isopropyl alcohol in exhaled breath by thermal desorption gas chromatography-mass spectrometry for exposure assessment of hospital staff. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 106, 218-23	3.5	20
63	Heterogeneous catalytic reaction of microcrystalline cellulose in hydrothermal microwave-assisted decomposition: effect of modified zeolite Beta. <i>Green Chemistry</i> , 2014 , 16, 1417-1425	10	31
62	Chemical generation of arsane and methylarsanes with amine boranes. Potentialities for nonchromatographic speciation of arsenic. <i>Analytical Chemistry</i> , 2014 , 86, 1599-607	7.8	20
61	Mercury speciation by high-performance liquid chromatography atomic fluorescence spectrometry using an integrated microwave/UV interface. Optimization of a single step procedure for the simultaneous photo-oxidation of mercury species and photo-generation of Hg ⁰ . <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014 , 101, 312-319	3.1	28
60	Development and validation of a novel derivatization method for the determination of lactate in urine and saliva by liquid chromatography with UV and fluorescence detection. <i>Talanta</i> , 2014 , 130, 280-7	6.2	12
59	Direct, simple derivatization of disulfide bonds in proteins with organic mercury in alkaline medium without any chemical pre-reducing agents. <i>Analytica Chimica Acta</i> , 2014 , 843, 1-6	6.6	3
58	Application of direct analysis in real time to a multiphase chemical system: Identification of polymeric arsanes generated by reduction of monomethylarsenate with sodium tetrahydroborate. <i>International Journal of Mass Spectrometry</i> , 2014 , 371, 42-46	1.9	11
57	Impact of protein concentration on the determination of thiolic groups of ovalbumin: a size exclusion chromatography-chemical vapor generation-atomic fluorescence spectrometry study via mercury labeling. <i>Analytical Chemistry</i> , 2014 , 86, 2251-6	7.8	19
56	Uric acid is the major determinant of absorbance in spent dialysate allowing spectrophotometric evaluation of dialysis dose. <i>Journal of Nephrology</i> , 2014 , 27, 331-7	4.8	6
55	Influence of sampling on the determination of warfarin and warfarin alcohols in oral fluid. <i>PLoS ONE</i> , 2014 , 9, e114430	3.7	23
54	Determination of total and unbound warfarin and warfarin alcohols in human plasma by high performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2013 , 1314, 54-62	4.5	27
53	Determination of thiomersal by flow injection coupled with microwave-assisted photochemical online oxidative decomposition of organic mercury and cold vapor atomic fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , 2013 , 804, 66-9	6.6	19

52	Interaction of collagen with chlorosulphonated paraffin tanning agents: Fourier transform infrared spectroscopic analysis and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14736-47	3.6	15
51	Monitoring breath during oral glucose tolerance tests. <i>Journal of Breath Research</i> , 2013 , 7, 017115	3.1	25
50	Microwave photochemical reactor for the online oxidative decomposition of p-hydroxymercurybenzoate (pHMB)-tagged proteins and their determination by cold vapor generation-atomic fluorescence detection. <i>Analytical Chemistry</i> , 2013 , 85, 12152-7	7.8	7
49	Post-operative elimination of sevoflurane anesthetic and hexafluoroisopropanol metabolite in exhaled breath: pharmacokinetic models for assessing liver function. <i>Journal of Breath Research</i> , 2013 , 7, 036001	3.1	17
48	Physico-chemical characterization of protein-pigment interactions in tempera paint reconstructions: casein/cinnabar and albumin/cinnabar. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2183-93	4.4	55
47	Breath Analysis: Analytical Methodologies and Clinical Applications 2012 , 651-689		6
46	A snow/firn four-century record of polycyclic aromatic hydrocarbons (PAHs) and polychlorobiphenyls (PCBs) at Talos Dome (Antarctica). <i>Microchemical Journal</i> , 2012 , 105, 133-141	4.8	36
45	Simultaneous determination of lactate and pyruvate in human sweat using reversed-phase high-performance liquid chromatography: a noninvasive approach. <i>Biomedical Chromatography</i> , 2012 , 26, 1408-15	1.7	44
44	Microwave-assisted photochemical reactor for the online oxidative decomposition and determination of p-hydroxymercurybenzoate and its thiolic complexes by cold vapor generation atomic fluorescence detection. <i>Analytical Chemistry</i> , 2011 , 83, 338-43	7.8	32
43	Quantification of nitrite and nitrate in seawater by triethyloxonium tetrafluoroborate derivatization-headspace SPME GC-MS. <i>Talanta</i> , 2011 , 85, 2511-6	6.2	19
42	Characterization of BSA unfolding and aggregation using a single-capillary viscometer and dynamic surface tension detector. <i>Talanta</i> , 2011 , 85, 2553-61	6.2	13
41	Mechanism of hydrogen transfer in arsane generation by aqueous tetrahydridoborate: Interference effects of AuIII and other noble metals. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 740-747	2.1	10
40	Flow injection-chemical vapor generation atomic fluorescence spectrometry hyphenated system for organic mercury determination: A step forward. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 799-804	3.1	26
39	Oxidative decomposition of atrazine in water in the presence of hydrogen peroxide using an innovative microwave photochemical reactor. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1808-15	12.8	34
38	Measurement of warfarin in the oral fluid of patients undergoing anticoagulant oral therapy. <i>PLoS ONE</i> , 2011 , 6, e28182	3.7	33
37	Analysis of commercial beverage products by size exclusion chromatography coupled with UV-vis absorbance detection and dynamic surface tension detection. <i>Talanta</i> , 2010 , 80, 1445-51	6.2	5
36	Flame-in-gas-shield miniature flame hydride atomizers for ultra trace element determination by chemical vapor generation atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 48-55	3.1	26
35	Mechanisms involved in stannane generation by aqueous tetrahydroborate(III): Role of acidity and l-cysteine. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 309-314	3.1	18

34	Vapor Generation of Inorganic Anionic Species After Aqueous phase Alkylation with Trialkyloxonium Tetrafluoroborates. <i>Analytical Chemistry</i> , 2009 , 81, 6399-6406	7.8	32
33	Determination of thiolic compounds as mercury complexes by cold vapor atomic absorption spectrometry and its application to wines. <i>Talanta</i> , 2008 , 74, 936-43	6.2	21
32	Implementation of Fowler's method for end-tidal air sampling. <i>Journal of Breath Research</i> , 2008 , 2, 037009	9.9	26
31	Mechanisms involved in chemical vapor generation by aqueous tetrahydroborate(III) derivatization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 835-842	3.1	35
30	Chemical vapor generation of arsane in the presence of L-cysteine. Mechanistic studies and their analytical feedback. <i>Analytical Chemistry</i> , 2007 , 79, 6324-33	7.8	36
29	Determination of lead in wine by hydride generation atomic fluorescence spectrometry in the presence of hexacyanoferrate(III). <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 801-7	4.4	27
28	Organic solvents as interferences in arsenic determination by hydride generation atomic absorption spectrometry with flame atomization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 525-531	3.1	15
27	Flow injection analysis with diode array absorbance detection and dynamic surface tension detection for studying denaturation and surface activity of globular proteins. <i>Analytical Biochemistry</i> , 2006 , 351, 100-13	3.1	15
26	Determination of hydrogen sulfide and volatile thiols in air samples by mercury probe derivatization coupled with liquid chromatography-atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 579, 38-46	6.6	29
25	Determination of the deuterium/hydrogen ratio in gas reaction products by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 797-802	3.1	36
24	Mercury speciation by liquid chromatography coupled with on-line chemical vapour generation and atomic fluorescence spectrometric detection (LC-CVGAFS). <i>Talanta</i> , 2005 , 66, 762-8	6.2	64
23	Continuous flow hydride generation-atomic fluorescence spectrometric determination and speciation of arsenic in wine. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 816-823	3.1	59
22	Optimized cleanup methods of organic extracts for the determination of organic pollutants in biological samples. <i>Microchemical Journal</i> , 2005 , 79, 69-76	4.8	23
21	Multidimensional analysis of denatured milk proteins by hydrophobic interaction chromatography coupled to a dynamic surface tension detector. <i>Journal of Chromatography A</i> , 2004 , 1023, 79-91	4.5	11
20	Chemical vapor generation for atomic spectrometry. A contribution to the comprehension of reaction mechanisms in the generation of volatile hydrides using borane complexes. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004 , 59, 471-486	3.1	47
19	Study of the disulfide reduction of denatured proteins by liquid chromatography coupled with on-line cold-vapor-generation atomic-fluorescence spectrometry (LC-CVGAFS). <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 310-8	4.4	13
18	Role of hydroboron intermediates in the mechanism of chemical vapor generation in strongly acidic media. <i>Analytical Chemistry</i> , 2004 , 76, 6342-52	7.8	63
17	Hydrophobic interaction chromatography coupled with atomic fluorescence spectrometric detection Effect of the denaturation on the determination of thiolic proteins. <i>Talanta</i> , 2004 , 63, 383-9	6.2	14

16	Characterization of denatured metallothioneins by reversed phase coupled with on-line chemical vapour generation and atomic fluorescence spectrometric detection. <i>Journal of Chromatography A</i> , 2004 , 1054, 285-291	4.5	14
15	Characterization of denatured metallothioneins by reversed phase coupled with on-line chemical vapour generation and atomic fluorescence spectrometric detection. <i>Journal of Chromatography A</i> , 2004 , 1054, 285-91	4.5	2
14	Characterization of denatured proteins by hydrophobic interaction chromatography: a preliminary study. <i>Biopolymers</i> , 2003 , 69, 293-300	2.2	8
13	Separation and determination of denatured alpha(s1)-, alpha(s2)-, beta- and kappa-caseins by hydrophobic interaction chromatography in cows' and goats' milk, milk mixtures and cheeses. <i>Journal of Chromatography A</i> , 2003 , 994, 59-74	4.5	74
12	Chemical vapor generation atomic spectrometry using amineboranes and cyanotrihydroborate(III) reagents. <i>Analytical Chemistry</i> , 2003 , 75, 2591-600	7.8	53
11	Activity coefficients of 3:3 electrolytes in aqueous solutions. <i>Polyhedron</i> , 2000 , 19, 2493-2500	2.7	6
10	Characterization of the Balm of an Egyptian Mummy from the Seventh Century B.C.. <i>Studies in Conservation</i> , 2000 , 45, 19	0.6	15
9	Characterization of the Balm of an Egyptian Mummy from the Seventh Century B.C.. <i>Studies in Conservation</i> , 2000 , 45, 19-29	0.6	64
8	Analysis of priority pollutants in environmental samples by on-line supercritical fluid chromatography cleanup-cryo-trap-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1999 , 846, 387-393	4.5	12
7	The Effect of Seasonal Pack Ice Melting on the Sea Water Polychlorobiphenyl Contents at Gerlache Inlet and Wood Bay (Ross Sea - Antarctica). <i>International Journal of Environmental Analytical Chemistry</i> , 1999 , 75, 367-375	1.8	5
6	Investigations of the behaviour of tellurium(IV) and selenium(IV) in ion-exchange chromatography. <i>Journal of Chromatography A</i> , 1997 , 779, 147-154	4.5	7
5	Supercritical fluid extraction combined on-line with cold-trap gas chromatography/mass spectrometry. <i>Analytica Chimica Acta</i> , 1997 , 346, 81-86	6.6	21
4	Distribution of Macro- and Micro-Components in the Water Column of the Antarctic Ross Sea and in Surface Antarctic Snow. <i>International Journal of Environmental Analytical Chemistry</i> , 1996 , 63, 1-13	1.8	1
3	Ammonium, Alkaline and Alkaline-Earth Element Determination in Antarctic Lake Waters, Flowing Melt Waters, Sea Waters and Snow. <i>International Journal of Environmental Analytical Chemistry</i> , 1994 , 55, 149-164	1.8	10
2	Ion chromatography: A powerful and versatile analytical technique for environmental chemical characterization. <i>Microchemical Journal</i> , 1992 , 46, 385-398	4.8	1
1	Optimization of the procedure for the determination of alkali and alkaline-earth elements in sea water by suppressed ion chromatography. <i>Journal of Chromatography A</i> , 1991 , 546, 259-271	4.5	11