

# Arnaud Salvador

## List of Publications by Year in descending order

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67  
papers

2,741  
citations

172457

29  
h-index

182427

51  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of ciprofloxacin and sulfamethoxazole by ferrous-activated persulfate: Implications for remediation of groundwater contaminated by antibiotics. <i>Science of the Total Environment</i> , 2014, 472, 800-808.	8.0	400
2	Clinical Quantitation of Prostate-specific Antigen Biomarker in the Low Nanogram/Milliliter Range by Conventional Bore Liquid Chromatography-Tandem Mass Spectrometry (Multiple Reaction) <i>Talanta</i> , 2010, 50, 702-707. 1006-1015.	3.8	151
3	Photocatalytic degradation of atenolol in aqueous titanium dioxide suspensions: Kinetics, intermediates and degradation pathways. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 254, 35-44.	3.9	134
4	On-line solid-phase extraction with on-support derivatization for high-sensitivity liquid chromatography tandem mass spectrometry of estrogens in influent/effluent of wastewater treatment plants. <i>Journal of Chromatography A</i> , 2007, 1145, 102-109.	3.7	132
5	Multiple Reaction Monitoring Cubed for Protein Quantification at the Low Nanogram/Milliliter Level in Nondepleted Human Serum. <i>Analytical Chemistry</i> , 2009, 81, 9343-9352.	6.5	132
6	Comparative study of imazalil degradation in three systems: UV/TiO <sub>2</sub> , UV/K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> and UV/TiO <sub>2</sub> /K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 144, 286-291.	20.2	91
7	Photolysis of $\beta$ -blockers in environmental waters. <i>Chemosphere</i> , 2008, 73, 1265-1271.	8.2	82
8	Total ApoE and ApoE4 Isoform Assays in an Alzheimer's Disease Case-control Study by Targeted Mass Spectrometry (n = 669): A Pilot Assay for Methionine-containing Proteotypic Peptides. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1389-1403.	3.8	80
9	Development and optimisation of a single extraction procedure for the LC/MS/MS analysis of two pharmaceutical classes residues in sewage treatment plant. <i>Talanta</i> , 2008, 74, 1463-1475.	5.5	74
10	Glutathionylation Induces the Dissociation of 1-Cys D-peroxiredoxin Non-covalent Homodimer. <i>Journal of Biological Chemistry</i> , 2006, 281, 31736-31742.	3.4	67
11	Rapid Bacterial Identification, Resistance, Virulence and Type Profiling using Selected Reaction Monitoring Mass Spectrometry. <i>Scientific Reports</i> , 2015, 5, 13944.	3.3	66
12	Ecotoxicoproteomics: A decade of progress in our understanding of anthropogenic impact on the environment. <i>Journal of Proteomics</i> , 2019, 198, 66-77.	2.4	66
13	Identification of new O-GlcNAc modified proteins using a click-chemistry-based tagging. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 2089-2097.	3.7	63
14	Photocatalytic degradation of imazalil in an aqueous suspension of TiO <sub>2</sub> and influence of alcohols on the degradation. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 90-99.	20.2	56
15	Simultaneous determination of metronidazole and spiramycin I in human plasma, saliva and gingival crevicular fluid by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 298-306.	2.8	55
16	Next-Generation Proteomics: Toward Customized Biomarkers for Environmental Biomonitoring. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13560-13572.	10.0	52
17	Degradation of sunscreen agent 2-phenylbenzimidazole-5-sulfonic acid by TiO <sub>2</sub> photocatalysis: Kinetics, photoproducts and comparison to structurally related compounds. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 457-467.	20.2	49
18	Polysaccharides as a Marker for Detection of Corn Sugar Syrup Addition in Honey. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2105-2111.	5.2	47

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19	The current status of clinical proteomics and the use of MRM and MRM <sup>3</sup> for biomarker validation. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 333-342.	3.1	44
20	Subcritical fluid chromatography of monosaccharides and polyols using silica and trimethylsilyl columns. <i>Journal of Chromatography A</i> , 1997, 785, 195-204.	3.7	42
21	Photocatalytic degradation of boscalid in aqueous titanium dioxide suspension: Identification of intermediates and degradation pathways. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 122-131.	20.2	41
22	Vitellogenin-like proteins in the freshwater amphipod <i>Gammarus fossarum</i> (Koch, 1835): Functional characterization throughout reproductive process, potential for use as an indicator of oocyte quality and endocrine disruption biomarker in males. <i>Aquatic Toxicology</i> , 2012, 112-113, 72-82.	4.0	39
23	Chiral supercritical fluid chromatography on porous graphitic carbon using commercial dimethyl $\beta$ -cyclodextrins as mobile phase additive. <i>Journal of Chromatography A</i> , 2001, 929, 101-112.	3.7	36
24	In situ isobaric lipid mapping by MALDI-ion mobility separation-mass spectrometry imaging. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4531.	1.6	35
25	Evaluation of hydrophilic interaction chromatography (HILIC) versus C18 reversed-phase chromatography for targeted quantification of peptides by mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1264, 31-39.	3.7	34
26	Degradation intermediates and reaction pathway of pyraclostrobin with TiO <sub>2</sub> photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2012, 115-116, 285-293.	20.2	33
27	Improved detection specificity for plasma proteins by targeting cysteine-containing peptides with photo-SRM. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2321-2331.	3.7	32
28	Ecotoxic-Proteomics for Aquatic Environmental Monitoring: First in Situ Application of a New Proteomics-Based Multibiomarker Assay Using Caged Amphipods. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13417-13426.	10.0	32
29	Long-Lasting Enfuvirtide Carrier Pentasaccharide Conjugates with Potent Anti-Human Immunodeficiency Virus Type 1 Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 134-142.	3.2	31
30	Binding constant dependency of amphetamines with various commercial methylated $\beta$ -cyclodextrins. <i>Electrophoresis</i> , 1999, 20, 2670-2679.	2.4	30
31	Vitellogenin-like protein measurement in caged <i>Gammarus fossarum</i> males as a biomarker of endocrine disruptor exposure: Inconclusive experience. <i>Aquatic Toxicology</i> , 2012, 122-123, 9-18.	4.0	30
32	The immune system of the freshwater zebra mussel, <i>Dreissena polymorpha</i> , decrypted by proteogenomics of hemocytes and plasma compartments. <i>Journal of Proteomics</i> , 2019, 202, 103366.	2.4	30
33	Simultaneous LC-MS-MS Analysis of Capecitabine and its Metabolites (5-deoxy-5-fluorocytidine.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10f 50 137</i> 2006, 63, 609-615.	1.3	29
34	Mass spectrometry assay as an alternative to the enzyme-linked immunosorbent assay test for biomarker quantitation in ecotoxicology: Application to vitellogenin in Crustacea ( <i>Gammarus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10f 50 137</i>		
35	Optimization of liquid chromatography-multiple reaction monitoring cubed mass spectrometry assay for protein quantification: Application to aquaporin-2 water channel in human urine. <i>Journal of Chromatography A</i> , 2013, 1301, 122-130.	3.7	27
36	Electrospray mass spectrometry and supercritical fluid chromatography of methylated $\beta$ -cyclodextrins. <i>Journal of Chromatography A</i> , 1999, 855, 645-656.	3.7	25

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37	Analysis of partially methylated cyclodextrins by subcritical fluid and liquid chromatography. <i>Journal of Chromatography A</i> , 1996, 746, 103-108.	3.7	24
38	Development of a selective solid phase extraction method for nitro musk compounds in environmental waters using a molecularly imprinted sorbent. <i>Talanta</i> , 2013, 110, 128-134.	5.5	23
39	Absolute quantification of podocin, a potential biomarker of glomerular injury in human urine, by liquid chromatography–multiple reaction monitoring cubed mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 84-91.	2.8	23
40	Photo–SRM: laser–induced dissociation improves detection selectivity of selected reaction monitoring mode. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3375-3381.	1.5	19
41	Overcoming biofluid protein complexity during targeted mass spectrometry detection and quantification of protein biomarkers by MRM cubed (MRM3). <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1193-1200.	3.7	19
42	Implementing visible 473 nm photodissociation in a Q-Exactive mass spectrometer: towards specific detection of cysteine-containing peptides. <i>Analyst</i> , The, 2014, 139, 5523-5530.	3.5	17
43	Multiplexed assay for protein quantitation in the invertebrate <i>Gammarus fossarum</i> by liquid chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3969-3991.	3.7	17
44	Sensitive method for the quantitative determination of bromocriptine in human plasma by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 820, 237-242.	2.3	15
45	Hydrophilic interaction liquid chromatography as second dimension in multidimensional chromatography with an anionic trapping strategy: Application to prostate-specific antigen quantification. <i>Journal of Chromatography A</i> , 2014, 1354, 75-84.	3.7	15
46	Shotgun lipidomics and mass spectrometry imaging unveil diversity and dynamics in <i>Gammarus fossarum</i> lipid composition. <i>IScience</i> , 2021, 24, 102115.	4.1	15
47	Rapid Quantitation of Digoxin in Human Plasma and Urine Using Isotope Dilution Liquid Chromatography–Tandem Mass Spectrometry. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 1917-1932.	1.0	14
48	Identification of immune-related proteins of <i>Dreissena polymorpha</i> hemocytes and plasma involved in host-microbe interactions by differential proteomics. <i>Scientific Reports</i> , 2020, 10, 6226.	3.3	14
49	Vitellogenin-like Proteins among Invertebrate Species Diversity: Potential of Proteomic Mass Spectrometry for Biomarker Development. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6315-6323.	10.0	13
50	SFC with evaporative light-scattering detection and atmospheric-pressure chemical-ionisation mass spectrometry for methylated glucoses and cyclodextrins analysis. <i>Analisis - European Journal of Analytical Chemistry</i> , 1999, 27, 706-712.	0.4	12
51	Absolute quantification of podocalyxin, a potential biomarker of glomerular injury in human urine, by liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1397, 81-85.	3.7	10
52	High-multiplexed monitoring of protein biomarkers in the sentinel <i>Gammarus fossarum</i> by targeted scout-MRM assay, a new vision for ecotoxicoproteomics. <i>Journal of Proteomics</i> , 2020, 226, 103901.	2.4	10
53	Mussel as a Tool to Define Continental Watershed Quality. , 2017, , .		9
54	From shotgun to targeted proteomics: rapid Scout-MRM assay development for monitoring potential immunomarkers in <i>Dreissena polymorpha</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7333-7347.	3.7	9

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55	Scout-multiple reaction monitoring: A liquid chromatography tandem mass spectrometry approach for multi-residue pesticide analysis without time scheduling. <i>Journal of Chromatography A</i> , 2020, 1621, 461046.	3.7	9
56	Diastereoisomer separation of methylidene malonate 2.1.2 oligomerization products by liquid chromatography using a non-chiral stationary phase. <i>Analytica Chimica Acta</i> , 1998, 359, 57-64.	5.4	8
57	Photochemical behaviour of propranolol in environmental waters: the hydroxylated photoproducts. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 96-109.	3.3	8
58	Liquid chromatography-tandem mass spectrometric determination of a new antibacterial agent (AVE6971) in human white blood cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 855, 173-179.	2.3	7
59	Liquid chromatography coupled to tandem mass spectrometry for the analysis of inositol hexaphosphate after solid-phase extraction. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 408-414.	1.0	7
60	Streamlined Development of Targeted Mass Spectrometry-Based Method Combining Scout-MRM and a Web-Based Tool Indexed with Scout Peptides. <i>Proteomics</i> , 2020, 20, 1900254.	2.2	7
61	Absolute quantification of dengue virus serotype 4 chimera vaccine candidate in Vero cell culture by targeted mass spectrometry. <i>Proteomics</i> , 2015, 15, 3320-3330.	2.2	6
62	Identification and absolute quantification of enzymes in laundry detergents by liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4669-4681.	3.7	6
63	Alternative Representation for the Stability Diagram of Quadrupole Ion Traps upon Additional Quadrupolar Excitation. <i>European Journal of Mass Spectrometry</i> , 2013, 19, 141-149.	1.0	4
64	On-Line Solid Phase Extraction Liquid Chromatography-Mass Spectrometry Method for Multiplexed Proteins Quantitation in an Ecotoxicology Test Specie: <i>Gammarus fossarum</i> . <i>Journal of Applied Bioanalysis</i> , 2018, 4, 81-101.	0.2	3
65	Combined collision-induced dissociation and photo-selected reaction monitoring mass spectrometry modes for simultaneous analysis of coagulation factors and estrogens. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 183-189.	5.3	2
66	Structure elucidation of methylidene malonate 2.1.2 cyclic trimers with mass spectrometry, liquid chromatography and nuclear magnetic resonance investigations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 22, 165-174.	2.8	1
67	Sonodynamic Cytotoxicity In Controlled Cavitation Conditions. , 2009, , .		0