

# Franck Merlier

## List of Publications by Citations

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31  
papers

668  
citations

15  
h-index

25  
g-index

34  
ext. papers

832  
ext. citations

6.2  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
31	Development of a new microfluidic platform integrating co-cultures of intestinal and liver cell lines. <i>Toxicology in Vitro</i> , <b>2014</b> , 28, 885-95	3.6	59
30	Betanin-Enriched Red Beetroot ( <i>Beta vulgaris</i> L.) Extract Induces Apoptosis and Autophagic Cell Death in MCF-7 Cells. <i>Phytotherapy Research</i> , <b>2015</b> , 29, 1964-73	6.7	54
29	Toward the use of a molecularly imprinted polymer in doping analysis: selective preconcentration and analysis of testosterone and epitestosterone in human urine. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 4420-7	7.8	54
28	First pass intestinal and liver metabolism of paracetamol in a microfluidic platform coupled with a mathematical modeling as a means of evaluating ADME processes in humans. <i>Biotechnology and Bioengineering</i> , <b>2014</b> , 111, 2027-40	4.9	53
27	Chemical Antibody Mimics Inhibit Cadherin-Mediated Cell-Cell Adhesion: A Promising Strategy for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2816-2822	16.4	45
26	Plastic Antibodies for Cosmetics: Molecularly Imprinted Polymers Scavenge Precursors of Malodors. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6252-6	16.4	43
25	Molecularly Imprinted Polymer Nanoparticles as Potential Synthetic Antibodies for Immunoprotection against HIV. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9824-9831	9.5	42
24	Integrated proteomic and transcriptomic investigation of the acetaminophen toxicity in liver microfluidic biochip. <i>PLoS ONE</i> , <b>2011</b> , 6, e21268	3.7	37
23	Composition, antibacterial and antioxidant activities of <i>Pimpinella saxifraga</i> essential oil and application to cheese preservation as coating additive. <i>Food Chemistry</i> , <b>2019</b> , 288, 47-56	8.5	35
22	A systematic comparison of 25 Tunisian plant species based on oil and phenolic contents, fatty acid composition and antioxidant activity. <i>Industrial Crops and Products</i> , <b>2018</b> , 123, 768-778	5.9	27
21	Solid-phase extraction of betanin and isobetanin from beetroot extracts using a dipicolinic acid molecularly imprinted polymer. <i>Journal of Chromatography A</i> , <b>2016</b> , 1465, 47-54	4.5	25
20	Investigation of omeprazole and phenacetin first-pass metabolism in humans using a microscale bioreactor and pharmacokinetic models. <i>Biopharmaceutics and Drug Disposition</i> , <b>2015</b> , 36, 275-93	1.7	23
19	Long-term human primary hepatocyte cultures in a microfluidic liver biochip show maintenance of mRNA levels and higher drug metabolism compared with Petri cultures. <i>Biopharmaceutics and Drug Disposition</i> , <b>2016</b> , 37, 264-75	1.7	22
18	Dual-Oriented Solid-Phase Molecular Imprinting: Toward Selective Artificial Receptors for Recognition of Nucleotides in Water. <i>Macromolecules</i> , <b>2017</b> , 50, 7484-7490	5.5	17
17	The carnitine biosynthetic pathway in <i>Arabidopsis thaliana</i> shares similar features with the pathway of mammals and fungi. <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 60, 109-14	5.4	17
16	Plastic Antibodies for Cosmetics: Molecularly Imprinted Polymers Scavenge Precursors of Malodors. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6360-6364	3.6	14
15	Glycerolipid analysis during desiccation and recovery of the resurrection plant <i>Xerophyta humilis</i> (Bak) Dur and Schinz. <i>Plant, Cell and Environment</i> , <b>2018</b> , 41, 533-547	8.4	13

14	Chemical Antibody Mimics Inhibit Cadherin-Mediated Cell-Cell Adhesion: A Promising Strategy for Cancer Therapy. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2838-2844	3.6	13
13	A gas chromatography full scan high resolution Orbitrap mass spectrometry method for separation and characterization of 3-hydroxymethyl pyridine ester of fatty acids at low levels. <i>Journal of Chromatography A</i> , <b>2018</b> , 1575, 72-79	4.5	11
12	<sup>13</sup> C labeling analysis of sugars by high resolution-mass spectrometry for metabolic flux analysis. <i>Analytical Biochemistry</i> , <b>2017</b> , 527, 45-48	3.1	9
11	A water-soluble polysaccharide from <i>Anethum graveolens</i> seeds: Structural characterization, antioxidant activity and potential use as meat preservative. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 516-527	7.9	9
10	Molecularly imprinted polymers by thiol-ene chemistry: making imprinting even easier. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4732-4739	4.9	8
9	Online monitoring of hepatic rat metabolism by coupling a liver biochip and a mass spectrometer. <i>Analyst, The</i> , <b>2017</b> , 142, 3747-3757	5	7
8	Renewable Plant Oil-Based Molecularly Imprinted Polymers as Biopesticide Delivery Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 15927-15935	8.3	7
7	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20849-20857	16.4	7
6	Analysis of <sup>13</sup> C labeling amino acids by capillary electrophoresis - High resolution mass spectrometry in developing flaxseed. <i>Analytical Biochemistry</i> , <b>2018</b> , 547, 14-18	3.1	5
5	Biosensing of reactive intermediates produced by the photocatalytic activities of titanium dioxide nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2012</b> , 110, 22-7	6.7	4
4	Molecularly imprinted polymer nanoparticles-based electrochemical chemosensors for selective determination of cilostazol and its pharmacologically active primary metabolite in human plasma. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 193, 113542	11.8	3
3	Data documenting the comparison between the theoretically expected values of free sugars mass isotopomer composition with standards using GC-MS and LC-HRMS for Metabolic Flux Analysis. <i>Data in Brief</i> , <b>2017</b> , 12, 108-112	1.2	1
2	Evaluation of performance and validity limits of gas chromatography electron ionisation with Orbitrap detection for fatty acid methyl ester analyses. <i>Rapid Communications in Mass Spectrometry</i> , <b>2019</b> , e8609	2.2	1
1	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21017-21025	3.6	0