Franck Merlier

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.

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	A water-soluble polysaccharide from Anethum graveolens seeds: Structural characterization, antioxidant activity and potential use as meat preservative. *International Journal of Biological Macromolecules*, **2021**, 167, 516-527	7.9	9
30	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. *Angewandte Chemie - International Edition*, **2021**, 60, 20849-20857	16.4	7
29	Molecularly Imprinted Polymer Nanogels for Protein Recognition: Direct Proof of Specific Binding Sites by Solution STD and WaterLOGSY NMR Spectroscopies. *Angewandte Chemie*, **2021**, 133, 21017-21025	3.6	0
28	Molecularly imprinted polymer nanoparticles-based electrochemical chemosensors for selective determination of cilostazol and its pharmacologically active primary metabolite in human plasma. *Biosensors and Bioelectronics*, **2021**, 193, 113542	11.8	3
27	Chemical Antibody Mimics Inhibit Cadherin-Mediated Cell□Cell Adhesion: A Promising Strategy for Cancer Therapy. *Angewandte Chemie*, **2020**, 132, 2838-2844	3.6	13
26	Chemical Antibody Mimics Inhibit Cadherin-Mediated Cell-Cell Adhesion: A Promising Strategy for Cancer Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 2816-2822	16.4	45
25	Renewable Plant Oil-Based Molecularly Imprinted Polymers as Biopesticide Delivery Systems. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 15927-15935	8.3	7
24	Molecularly imprinted polymers by thiol□ne chemistry: making imprinting even easier. *Polymer Chemistry*, **2019**, 10, 4732-4739	4.9	8
23	Evaluation of performance and validity limits of gas chromatography electron ionisation with Orbitrap detection for fatty acid methyl ester analyses. *Rapid Communications in Mass Spectrometry* , **2019**, e8609	2.2	1
22	Composition, antibacterial and antioxidant activities of Pimpinella saxifraga essential oil and application to cheese preservation as coating additive. *Food Chemistry*, **2019**, 288, 47-56	8.5	35
21	Molecularly Imprinted Polymer Nanoparticles as Potential Synthetic Antibodies for Immunoprotection against HIV. *ACS Applied Materials & Interfaces*, **2019**, 11, 9824-9831	9.5	42
20	Analysis of C labeling amino acids by capillary electrophoresis - High resolution mass spectrometry in developing flaxseed. *Analytical Biochemistry*, **2018**, 547, 14-18	3.1	5
19	Glycerolipid analysis during desiccation and recovery of the resurrection plant Xerophyta humilis (Bak) Dur and Schinz. *Plant, Cell and Environment*, **2018**, 41, 533-547	8.4	13
18	A systematic comparison of 25 Tunisian plant species based on oil and phenolic contents, fatty acid composition and antioxidant activity. *Industrial Crops and Products*, **2018**, 123, 768-778	5.9	27
17	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. *Journal of Chromatography A*, **2018**, 1575, 72-79	4.5	11
16	13C labeling analysis of sugars by high resolution-mass spectrometry for metabolic flux analysis. *Analytical Biochemistry*, **2017**, 527, 45-48	3.1	9
15	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. *Data in Brief*, **2017**, 12, 108-112	1.2	1

14	Online monitoring of hepatic rat metabolism by coupling a liver biochip and a mass spectrometer. *Analyst, The*, **2017**, 142, 3747-3757	5	7
13	Dual-Oriented Solid-Phase Molecular Imprinting: Toward Selective Artificial Receptors for Recognition of Nucleotides in Water. *Macromolecules*, **2017**, 50, 7484-7490	5.5	17
12	Plastic Antibodies for Cosmetics: Molecularly Imprinted Polymers Scavenge Precursors of Malodors. *Angewandte Chemie - International Edition*, **2016**, 55, 6252-6	16.4	43
11	Plastic Antibodies for Cosmetics: Molecularly Imprinted Polymers Scavenge Precursors of Malodors. *Angewandte Chemie*, **2016**, 128, 6360-6364	3.6	14
10	Long-term human primary hepatocyte cultures in a microfluidic liver biochip show maintenance of mRNA levels and higher drug metabolism compared with Petri cultures. *Biopharmaceutics and Drug Disposition*, **2016**, 37, 264-75	1.7	22
9	Solid-phase extraction of betanin and isobetanin from beetroot extracts using a dipicolinic acid molecularly imprinted polymer. *Journal of Chromatography A*, **2016**, 1465, 47-54	4.5	25
8	Investigation of omeprazole and phenacetin first-pass metabolism in humans using a microscale bioreactor and pharmacokinetic models. *Biopharmaceutics and Drug Disposition*, **2015**, 36, 275-93	1.7	23
7	Betanin-Enriched Red Beetroot (Beta vulgaris L.) Extract Induces Apoptosis and Autophagic Cell Death in MCF-7 Cells. *Phytotherapy Research*, **2015**, 29, 1964-73	6.7	54
6	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. *Biotechnology and Bioengineering*, **2014**, 111, 2027-40	4.9	53
5	Development of a new microfluidic platform integrating co-cultures of intestinal and liver cell lines. *Toxicology in Vitro*, **2014**, 28, 885-95	3.6	59
4	Biosensing of reactive intermediates produced by the photocatalytic activities of titanium dioxide nanoparticles. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 110, 22-7	6.7	4
3	The carnitine biosynthetic pathway in Arabidopsis thaliana shares similar features with the pathway of mammals and fungi. *Plant Physiology and Biochemistry*, **2012**, 60, 109-14	5.4	17
2	Integrated proteomic and transcriptomic investigation of the acetaminophen toxicity in liver microfluidic biochip. *PLoS ONE*, **2011**, 6, e21268	3.7	37
1	Toward the use of a molecularly imprinted polymer in doping analysis: selective preconcentration and analysis of testosterone and epitestosterone in human urine. *Analytical Chemistry*, **2010**, 82, 4420-7	7.8	54