

# Frederic Violleau

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

50  
papers

837  
citations

17  
h-index

27  
g-index

53  
ext. papers

948  
ext. citations

5.7  
avg, IF

3.98  
L-index

#	Paper	IF	Citations
50	Ozonized 2-hydroxypropyl-β-cyclodextrins as novel materials with oxidative and bactericidal properties. <i>Carbohydrate Polymers</i> , <b>2022</b> , 291, 119516	10.3	
49	Using near-infrared spectroscopy to determine moisture content, gel strength, and viscosity of gelatin. <i>Food Hydrocolloids</i> , <b>2021</b> , 115, 106627	10.6	4
48	Study of the relationship between red wine colloidal fraction and astringency by asymmetrical flow field-flow fractionation coupled with multi-detection. <i>Food Chemistry</i> , <b>2021</b> , 361, 130104	8.5	0
47	Insight into gluten structure in a mild chaotropic solvent by asymmetrical flow field-flow fractionation (AsFFFF) and evidence of non-covalent assemblies between glutenin and gliadin. <i>Food Hydrocolloids</i> , <b>2020</b> , 103, 105676	10.6	6
46	Evaluation of the size distribution of a multimodal dispersion of polymer nanoparticles by microscopy after different methods of deposition. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 60, 102047	4.5	2
45	Fractionation and characterization of polyphenolic compounds and macromolecules in red wine by asymmetrical flow field-flow fractionation. <i>Journal of Chromatography A</i> , <b>2020</b> , 1629, 461464	4.5	5
44	Prediction and detection of human epileptic seizures based on SIFT-MS chemometric data. <i>Scientific Reports</i> , <b>2020</b> , 10, 18365	4.9	2
43	Hydrogen sulphide quantification by SIFT/MS: highlighting the influence of gas moisture. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 100, 1133-1145	1.8	5
42	Aldehydes gas ozonation monitoring: Interest of SIFT/MS versus GC/FID. <i>Chemosphere</i> , <b>2019</b> , 235, 1107-1115	11.5	7
41	Ozone Quantification by Selected Ion Flow Tube Mass Spectrometry: Influence of Humidity and Manufacturing Gas of Ozone Generator. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15518-15524	7.8	4
40	Mechanistic Insights into Polyion Complex Associations. <i>Macromolecules</i> , <b>2018</b> , 51, 1427-1440	5.5	9
39	Extended photo-induced endosome-like structures in giant vesicles promoted by block-copolymer nanocarriers. <i>Nanoscale</i> , <b>2018</b> , 10, 15442-15446	7.7	3
38	Physicochemical characterization and study of molar mass of industrial gelatins by AsFFFF-UV/MALS and chemometric approach. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203595	3.7	4
37	Frit inlet field-flow fractionation techniques for the characterization of polyion complex self-assemblies. <i>Journal of Chromatography A</i> , <b>2017</b> , 1481, 101-110	4.5	12
36	Gradual disaggregation of the casein micelle improves its emulsifying capacity and decreases the stability of dairy emulsions. <i>Food Hydrocolloids</i> , <b>2017</b> , 63, 189-200	10.6	14
35	Characterization of Non-Derivatized Cellulose Samples by Size Exclusion Chromatography in Tetrabutylammonium Fluoride/Dimethylsulfoxide (TBAF/DMSO). <i>Molecules</i> , <b>2017</b> , 22,	4.8	3
34	Crosslinked polymeric self-assemblies as an efficient strategy for photodynamic therapy on a 3D cell culture. <i>RSC Advances</i> , <b>2016</b> , 6, 69984-69998	3.7	16

33	Multimodal Dispersion of Nanoparticles: A Comprehensive Evaluation of Size Distribution with 9 Size Measurement Methods. <i>Pharmaceutical Research</i> , <b>2016</b> , 33, 1220-34	4.5	63
32	Influence of Storage Temperature on the Composition and the Antibacterial Activity of Ozonized Sunflower Oil. <i>Ozone: Science and Engineering</i> , <b>2016</b> , 38, 143-149	2.4	7
31	Ozone Effects on Botrytis cinerea Conidia using a Bubble Column: Germination Inactivation and Membrane Phospholipids Oxidation. <i>Ozone: Science and Engineering</i> , <b>2016</b> , 38, 62-69	2.4	4
30	Drug Release by Direct Jump from Poly(ethylene-glycol-b-ε-caprolactone) Nano-Vector to Cell Membrane. <i>Molecules</i> , <b>2016</b> , 21,	4.8	8
29	Structural modifications of cellulose samples after dissolution into various solvent systems. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 8403-8414	4.4	13
28	Self-assembled polymeric vectors mixtures: characterization of the polymorphism and existence of synergistic effects in photodynamic therapy. <i>Nanotechnology</i> , <b>2016</b> , 27, 315102	3.4	16
27	In vitro and in planta fungicide properties of ozonated water against the esca-associated fungus Phaeoacremonium aleophilum. <i>Scientia Horticulturae</i> , <b>2015</b> , 189, 184-191	4.1	18
26	Ozonation of sunflower oils: impact of experimental conditions on the composition and the antibacterial activity of ozonized oils. <i>Chemistry and Physics of Lipids</i> , <b>2015</b> , 186, 79-85	3.7	20
25	The effect of vegetable protein modifications on the microencapsulation process. <i>Food Hydrocolloids</i> , <b>2014</b> , 41, 95-102	10.6	37
24	Low temperature RAFT/MADIX gel polymerisation: access to controlled ultra-high molar mass polyacrylamides. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2202	4.9	68
23	Polymeric micelles encapsulating photosensitizer: structure/photodynamic therapy efficiency relation. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1443-55	6.9	49
22	Asymmetrical flow field-flow fractionation with multi-angle light scattering and quasi-elastic light scattering for characterization of polymersomes: comparison with classical techniques. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 7841-53	4.4	24
21	A new way of valorizing biomaterials: The use of sunflower protein for tocopherol microencapsulation. <i>Food Research International</i> , <b>2013</b> , 53, 115-124	7	32
20	pH-induced demineralization of casein micelles modifies their physico-chemical and foaming properties. <i>Food Hydrocolloids</i> , <b>2013</b> , 32, 322-330	10.6	47
19	Study of the degradation of pesticides on loaded seeds by ozonation. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 1004-1012	6.8	17
18	Kinetic aspects and identification of by-products during the ozonation of bitertanol in agricultural wastewaters. <i>Chemosphere</i> , <b>2013</b> , 90, 1387-95	8.4	6
17	Effect of Oxygreen® wheat ozonation process on bread dough quality and protein solubility. <i>Journal of Cereal Science</i> , <b>2012</b> , 55, 392-396	3.8	19
16	Aqueous RAFT/MADIX polymerisation of vinylphosphonic acid. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 609	4.9	38

15	Study of gelatin renaturation in aqueous solution by AFMALS: Influence of a thermal pre-treatment applied on gelatin. <i>Food Hydrocolloids</i> , <b>2011</b> , 25, 511-514	10.6	11
14	Decrease of available lysine in thermally treated gelatin followed by LCDV: Influence on molar mass and ability to helixes formation. <i>Food Hydrocolloids</i> , <b>2011</b> , 25, 1409-1412	10.6	4
13	Asymmetrical flow field-flow fractionation with multi-angle light scattering and quasi elastic light scattering for characterization of poly(ethyleneglycol-b-e-caprolactone) block copolymer self-assemblies used as drug carriers for photodynamic therapy. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 4249-56	4.5	37
12	Ozonation of imidacloprid in aqueous solutions: reaction monitoring and identification of degradation products. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 190, 60-8	12.8	54
11	Characterization of heat-induced changes in skim milk using asymmetrical flow field-flow fractionation coupled with multiangle laser light scattering. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 12592-601	5.7	21
10	Analysis of aged gelatin by AFMALS: Identification of high molar mass components and their influence on solubility. <i>Food Hydrocolloids</i> , <b>2009</b> , 23, 1024-1030	10.6	13
9	Monomeric pheophorbide(a)-containing poly(ethyleneglycol-b-epsilon-caprolactone) micelles for photodynamic therapy. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 396-404	4.2	47
8	Development of a rapid determination of pesticides in coated seeds using a high-performance liquid chromatography-UV detection system. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 10032-7	5.7	4
7	Effect of Oxidative Treatment on Corn Seed Germination Kinetics. <i>Ozone: Science and Engineering</i> , <b>2008</b> , 30, 418-422	2.4	25
6	Impact of Cultivar and Environment on Size Characteristics of Wheat Proteins Using Asymmetrical Flow Field-Flow Fractionation and Multi-Angle Laser Light Scattering. <i>Cereal Chemistry</i> , <b>2005</b> , 82, 28-33	2.4	20
5	Changes in the glutathione thiol-disulfide status in wheat grain by foliar sulphur fertilization: consequences for the rheological properties of dough. <i>Journal of Cereal Science</i> , <b>2005</b> , 41, 305-315	3.8	12
4	Optical methyl 2-chloropropionate synthesis by decomposition of methyl 2-(chlorocarbonyloxy)propionate with hexaalkylguanidinium chloride hydrochloride. <i>Tetrahedron</i> , <b>2002</b> , 58, 8607-8612	2.4	1
3	A SAFE AND EFFICIENT PROCEDURE TO PREPARE ALKYL AND ALKOXYALKYL CHLORIDES AND DICHLORIDES BY CATALYTIC DECOMPOSITION OF THE CORRESPONDING ALKYL AND ALKOXYALKYL CHLOROFORMATES AND BISCHLOROFORMATES WITH HEXABUTYLGUANIDINIUM CHLORIDE. <i>Synthetic Communications</i> , <b>2001</b> , 31, 367-373	1.7	3
2	Ozone Dissolved in Water: An Innovative Tool for the Production of Young Plants in Grapevine Nurseries?. <i>Ozone: Science and Engineering</i> , 1-15	2.4	2
1	Iodine and Peroxide Index Rapid Determination by Mid- and Near-infrared Spectroscopy in Ozonated Sunflower Oil and Ozonated Fats. <i>Ozone: Science and Engineering</i> , 1-14	2.4	0