Olivier Mozziconacci

List of Publications by Year
in descending order

30	625	516710 16	580821 25
papers	citations	h-index	g-index

30	30	30	448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-dimensional plug-and-play liquid chromatography-native ion mobility mass spectrometry method for the analysis of biotherapeutics. International Journal of Mass Spectrometry, 2022, 471, 116725.	1.5	6
2	Probing Protein Conformation Destabilization in Sterile Liquid Formulations through the Formation of 3,4-Dihydroxyphenylalanine. Molecular Pharmaceutics, 2020, 17, 3783-3793.	4.6	2
3	Dual Effect of Histidine on Polysorbate 20 Stability: Mechanistic Studies. Pharmaceutical Research, 2018, 35, 33.	3.5	31
4	Fragmentation of a Monoclonal Antibody by Peroxotungstate. Pharmaceutical Research, 2018, 35, 219.	3.5	7
5	Identification of D-Amino Acids in Light Exposed mAb Formulations. Pharmaceutical Research, 2018, 35, 238.	3.5	3
6	Photodegradation Pathways of Protein Disulfides: Human Growth Hormone. Pharmaceutical Research, 2017, 34, 2756-2778.	3.5	16
7	The Botanical Drug Substance Crofelemer as a Model System for Comparative Characterization of Complex Mixture Drugs. Journal of Pharmaceutical Sciences, 2017, 106, 3242-3256.	3.3	14
8	Profiling the Photochemical-Induced Degradation of Rat Growth Hormone with Extreme Ultra-pressure Chromatographyâ€“Mass Spectrometry Utilizing Meter-Long Microcapillary Columns Packed with Sub-2-Âµm Particles. Chromatographia, 2017, 80, 1299-1318.	1.3	5
9	Chemical Stability of the Botanical Drug Substance Crofelemer: A Model System for Comparative Characterization of Complex Mixture Drugs. Journal of Pharmaceutical Sciences, 2017, 106, 3257-3269.	3.3	6
10	An Efficient and Rapid Method to Monitor the Oxidative Degradation of Protein Pharmaceuticals: Probing Tyrosine Oxidation with Fluorogenic Derivatization. Pharmaceutical Research, 2017, 34, 1428-1443.	3.5	16
11	Photo-oxidation of IgG1 and Model Peptides: Detection and Analysis of Triply Oxidized His and Trp Side Chain Cleavage Products. Pharmaceutical Research, 2017, 34, 229-242.	3.5	29
12	Degradation Mechanisms of Polysorbate 20 Differentiated by 18O-labeling and Mass Spectrometry. Pharmaceutical Research, 2017, 34, 84-100.	3.5	48
13	Neighboring Ï€-Amide Participation in Thioether Oxidation: Conformational Control. Organic Letters, 2016, 18, 3522-3525.	4.6	4
14	Comparative Evaluation of the Chemical Stability of 4 Well-Defined Immunoglobulin G1-Fc Glycoforms. Journal of Pharmaceutical Sciences, 2016, 105, 575-587.	3.3	20
15	Site-Specific Hydrolysis Reaction C-Terminal of Methionine in Met-His during Metal-Catalyzed Oxidation of IgG-1. Molecular Pharmaceutics, 2016, 13, 1317-1328.	4.6	7
16	Chemical degradation of proteins in the solid state with a focus on photochemical reactions. Advanced Drug Delivery Reviews, 2015, 93, 2-13.	13.7	21
17	Intramolecular 1,2â€•and 1,3â€Hydrogen Transfer Reactions of Thiyl Radicals. Israel Journal of Chemistry, 2014, 54, 265-271.	2.3	9
18	Sequence-Specific Formation of <scp>d</scp>-Amino Acids in a Monoclonal Antibody during Light Exposure. Molecular Pharmaceutics, 2014, 11, 4291-4297.	4.6	15

#	Article	IF	Citations
19	Effect of Conformation on the Photodegradation of Trp- And Cystine-Containing Cyclic Peptides: Octreotide and Somatostatin. Molecular Pharmaceutics, 2014, 11, 3537-3546.	4.6	19
20	UV photodegradation of murine growth hormone: Chemical analysis and immunogenicity consequences. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 395-402.	4.3	25
21	Metal-Catalyzed Oxidation of Protein Methionine Residues in Human Parathyroid Hormone (1-34): Formation of Homocysteine and a Novel Methionine-Dependent Hydrolysis Reaction. Molecular Pharmaceutics, 2013, 10, 739-755.	4.6	26
22	Intramolecular Hydrogen Transfer Reactions of Thiyl Radicals from Glutathione: Formation of Carbon-Centered Radical at Glu, Cys, and Gly. Chemical Research in Toxicology, 2012, 25, 1842-1861.	3.3	28
23	Photodegradation of Oxytocin and Thermal Stability of Photoproducts. Journal of Pharmaceutical Sciences, 2012, 101, 3331-3346.	3.3	12
24	Photolysis of Recombinant Human Insulin in the Solid State: Formation of a Dithiohemiacetal Product at the C-Terminal Disulfide Bond. Pharmaceutical Research, 2012, 29, 121-133.	3.5	15
25	Reversible Hydrogen Transfer Reactions of Cysteine Thiyl Radicals in Peptides: the Conversion of Cysteine into Dehydroalanine and Alanine, and of Alanine into Dehydroalanine. Journal of Physical Chemistry B, 2011, 115, 12287-12305.	2.6	34
26	Photolysis of an Intrachain Peptide Disulfide Bond: Primary and Secondary Processes, Formation of H₂S, and Hydrogen Transfer Reactions. Journal of Physical Chemistry B, 2010, 114, 3668-3688.	2.6	43
27	Reversible Hydrogen Transfer between Cysteine Thiyl Radical and Glycine and Alanine in Model Peptides: Covalent H/D Exchange, Radicalâ^'Radical Reactions, and <scp>l</scp>- to <scp>d</scp>-Ala Conversion. Journal of Physical Chemistry B, 2010, 114, 6751-6762.	2.6	33
28	Exposure of a Monoclonal Antibody, IgG1, to UV-Light Leads to Protein Dithiohemiacetal and Thioether Cross-Links: A Role for Thiyl Radicals?. Chemical Research in Toxicology, 2010, 23, 1310-1312.	3.3	38
29	Peptide Cysteine Thiyl Radicals Abstract Hydrogen Atoms from Surrounding Amino Acids: The Photolysis of a Cystine Containing Model Peptide. Journal of Physical Chemistry B, 2008, 112, 9250-9257.	2.6	53
30	Reversible Intramolecular Hydrogen Transfer between Protein Cysteine Thiyl Radicals and ^{Î±}Câ^'H Bonds in Insulin: Control of Selectivity by Secondary Structure. Journal of Physical Chemistry B, 2008, 112, 15921-15932.	2.6	40