Raffaella Colombo

List of Publications by Year
in descending order

38	738	516710 16	552781 26
papers	citations	h-index	g-index

38	38	38	1193
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances on Size Exclusion Chromatography and Applications on the Analysis of Protein Biopharmaceuticals and Protein Aggregates: A Mini Review. Chromatographia, 2018, 81, 3-23.	1.3	53
2	Diseaseâ€Modifying Antiâ€Alzheimer's Drugs: Inhibitors of Human Cholinesterases Interfering with Î²â€Amyloid Aggregation. CNS Neuroscience and Therapeutics, 2014, 20, 624-632.	3.9	51
3	Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid-Î² and Inhibitor of Fibril Assembly. Journal of Alzheimer's Disease, 2017, 59, 1213-1226.	2.6	44
4	Colored Corn: An Up-Date on Metabolites Extraction, Health Implication, and Potential Use. Molecules, 2021, 26, 199.	3.8	43
5	Multifunctional Cholinesterase and Amyloid Beta Fibrillization Modulators. Synthesis and Biological Investigation. ACS Medicinal Chemistry Letters, 2013, 4, 1178-1182.	2.8	40
6	CE can identify small molecules that selectively target soluble oligomers of amyloid Î² protein and display antifibrillogenic activity. Electrophoresis, 2009, 30, 1418-1429.	2.4	39
7	Advances in static in vitro digestion models after the COST action Infogest consensus protocol. Food and Function, 2021, 12, 7619-7636.	4.6	31
8	In vitro amyloid AÎ²1-42 peptide aggregation monitoring by asymmetrical flow field-flow fractionation with multi-angle light scattering detection. Analytical and Bioanalytical Chemistry, 2009, 394, 2145-2149.	3.7	29
9	An integrated strategy to correlate aggregation state, structure and toxicity of AÃŸ 1â€“42 oligomers. Talanta, 2018, 188, 17-26.	5.5	28
10	An outlook on the role of decaffeinated coffee in neurodegenerative diseases. Critical Reviews in Food Science and Nutrition, 2020, 60, 760-779.	10.3	28
11	Artichoke (Cynara cardunculus L. var. scolymus) waste as a natural source of carbonyl trapping and antiglycative agents. Food Research International, 2017, 100, 780-790.	6.2	27
12	Stem-like Cancer Cells in a Dynamic 3D Culture System: A Model to Study Metastatic Cell Adhesion and Anti-cancer Drugs. Cells, 2019, 8, 1434.	4.1	27
13	Lack of prolidase causes a bone phenotype both in human and in mouse. Bone, 2015, 72, 53-64.	2.9	23
14	Cretan tea (Origanum dictamnus L.) as a functional beverage: an investigation on antiglycative and carbonyl trapping activities. Food and Function, 2018, 9, 1545-1556.	4.6	21
15	Evaluation of capillary electrophoresis-mass spectrometry for the analysis of the conformational heterogeneity of intact proteins using beta2-microglobulin as model compound. Analytica Chimica Acta, 2016, 945, 102-109.	5.4	20
16	Sulfonated molecules that bind a partially structured species of Î²₂â€microglobulin also influence refolding and fibrillogenesis. Electrophoresis, 2008, 29, 1502-1510.	2.4	18
17	A New Italian Purple Corn Variety (Moradyn) Byproduct Extract: Antiglycative and Hypoglycemic In Vitro Activities and Preliminary Bioaccessibility Studies. Molecules, 2020, 25, 1958.	3.8	18
18	Search of ligands for the amyloidogenic protein Î²2-microglobulin by capillary electrophoresis and other techniques. Electrophoresis, 2005, 26, 4055-4063.	2.4	17

#	Article	IF	Citations
19	Screening of fibrillogenesis inhibitors of Î²2-microglobulin: Integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. Analytica Chimica Acta, 2011, 685, 153-161.	5.4	17
20	Advances in the Analysis of Veterinary Drug Residues in Food Matrices by Capillary Electrophoresis Techniques. Molecules, 2019, 24, 4617.	3.8	17
21	Recovery of Chlorogenic Acids from Agri-Food Wastes: Updates on Green Extraction Techniques. Molecules, 2021, 26, 4515.	3.8	17
22	Separation and characterisation of beta2-microglobulin folding conformers by ion-exchange liquid chromatography and ion-exchange liquid chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2013, 771, 108-114.	5.4	16
23	Pre-Concentration and Analysis of Mycotoxins in Food Samples by Capillary Electrophoresis. Molecules, 2020, 25, 3441.	3.8	13
24	A new millifluidic-based gastrointestinal platform to evaluate the effect of simulated dietary methylglyoxal intakes. Food and Function, 2019, 10, 4330-4338.	4.6	12
25	Partial Rescue of Biochemical Parameters After Hematopoietic Stem Cell Transplantation in a Patient with Prolidase Deficiency Due to Two Novel PEPD Mutations. JIMD Reports, 2011, 3, 71-77.	1.5	11
26	A Combined Highâ€Resolution Mass Spectrometric and inâ€…silico Approach for the Characterisation of Small Ligands of Î²₂â€Microglobulin. ChemMedChem, 2010, 5, 1015-1025.	3.2	10
27	Leveraging on nanomechanical sensors to single out active small ligands for Î²2-microglobulin. Sensors and Actuators B: Chemical, 2013, 176, 1026-1031.	7.8	10
28	A new MS compatible HPLC-UV method for Teicoplanin drug substance and related impurities, part 1: Development and validation studies. Journal of Pharmaceutical and Biomedical Analysis, 2019, 162, 185-191.	2.8	8
29	Decaffeinated coffee and its benefits on health: focus on systemic disorders. Critical Reviews in Food Science and Nutrition, 2021, 61, 2506-2522.	10.3	8
30	The influence of Cu²⁺ on the unfolding and refolding of intact and proteolytically processed Î²₂â€microglobulin. Electrophoresis, 2008, 29, 1734-1740.	2.4	7
31	Advanced glycation end products of beta2-microglobulin in uremic patients as determined by high resolution mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 193-201.	2.8	7
32	Capillary electrophoresis analysis of different variants of the amyloidogenic protein Î²₂â€microglobulin as a simple tool for misfolding and stability studies. Electrophoresis, 2015, 36, 2465-2472.	2.4	6
33	Chromatographic tools for plant-derived recombinant antibodies purification and characterization. Journal of Pharmaceutical and Biomedical Analysis, 2020, 179, 112920.	2.8	5
34	Application of an HPLC-MS/MS method for Teicoplanin drug substance and related impurities, part 2: Identity assignment of related impurities. Journal of Pharmaceutical and Biomedical Analysis, 2019, 168, 38-43.	2.8	4
35	Development of an Accelerated Stability Model to Estimate Purple Corn Cob Extract Powder (Moradyn) Shelf-Life. Foods, 2021, 10, 1617.	4.3	4
36	Selection and Optimization of an Innovative Polysaccharide-Based Carrier to Improve Anthocyanins Stability in Purple Corn Cob Extracts. Antioxidants, 2022, 11, 916.	5.1	4

#	Article	IF	Citations
37	A New Polysaccharide Carrier Isolated from Camelina Cake: Structural Characterization, Rheological Behavior, and Its Influence on Purple Corn Cob Extractâ€™s Bioaccessibility. Foods, 2022, 11, 1736.	4.3	3
38	Phytochemical profiling of aqeous methanolic leaf extract of Triclisia gilletii by gas chromatography (GC/MS) and liquid chromatography (HPLC-PDAâ€“ESI/MSn) tandem mass spectroscopy (MS): a pointer to its nephroprotection. Natural Product Research, 2020, , 1-6.	1.8	2