

# Raffaella Colombo

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

738  
citations

516215

16  
h-index

552369

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1193  
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. <i>Chromatographia</i> , 2018, 81, 3-23.   | 0.7 | 53        |
| 2  | Disease-Modifying Anti-Alzheimer's Drugs: Inhibitors of Human Cholinesterases Interfering with Amyloid Aggregation. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 624-632.  | 1.9 | 51        |
| 3  | Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid- $\beta^2$ and Inhibitor of Fibril Assembly. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1213-1226.                                  | 1.2 | 44        |
| 4  | Colored Corn: An Up-Date on Metabolites Extraction, Health Implication, and Potential Use. <i>Molecules</i> , 2021, 26, 199.   | 1.7 | 43        |
| 5  | Multifunctional Cholinesterase and Amyloid Beta Fibrillization Modulators. <i>Synthesis and Biological Investigation. ACS Medicinal Chemistry Letters</i> , 2013, 4, 1178-1182.  | 1.3 | 40        |
| 6  | CE can identify small molecules that selectively target soluble oligomers of amyloid $\beta^2$ protein and display antifibrillogenic activity. <i>Electrophoresis</i> , 2009, 30, 1418-1429.                                       | 1.3 | 39        |
| 7  | Advances in static <i>in vitro</i> digestion models after the COST action Infogest consensus protocol. <i>Food and Function</i> , 2021, 12, 7619-7636.   | 2.1 | 31        |
| 8  | In vitro amyloid A $\beta^{21-42}$ peptide aggregation monitoring by asymmetrical flow field-flow fractionation with multi-angle light scattering detection. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 2145-2149. | 1.9 | 29        |
| 9  | An integrated strategy to correlate aggregation state, structure and toxicity of A $\beta^{1-42}$ oligomers. <i>Talanta</i> , 2018, 188, 17-26.  | 2.9 | 28        |
| 10 | An outlook on the role of decaffeinated coffee in neurodegenerative diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 760-779.   | 5.4 | 28        |
| 11 | Artichoke ( <i>Cynara cardunculus</i> L. var. <i>scolymus</i> ) waste as a natural source of carbonyl trapping and antiglycative agents. <i>Food Research International</i> , 2017, 100, 780-790.                                  | 2.9 | 27        |
| 12 | Stem-like Cancer Cells in a Dynamic 3D Culture System: A Model to Study Metastatic Cell Adhesion and Anti-cancer Drugs. <i>Cells</i> , 2019, 8, 1434.  | 1.8 | 27        |
| 13 | Lack of prolidase causes a bone phenotype both in human and in mouse. <i>Bone</i> , 2015, 72, 53-64.   | 1.4 | 23        |
| 14 | Cretan tea ( <i>Origanum dictamnus</i> L.) as a functional beverage: an investigation on antiglycative and carbonyl trapping activities. <i>Food and Function</i> , 2018, 9, 1545-1556.  | 2.1 | 21        |
| 15 | Evaluation of capillary electrophoresis-mass spectrometry for the analysis of the conformational heterogeneity of intact proteins using beta2-microglobulin as model compound. <i>Analytica Chimica Acta</i> , 2016, 945, 102-109. | 2.6 | 20        |
| 16 | Sulfonated molecules that bind a partially structured species of $\beta^2$ -microglobulin also influence refolding and fibrillogenesis. <i>Electrophoresis</i> , 2008, 29, 1502-1510.  | 1.3 | 18        |
| 17 | A New Italian Purple Corn Variety (Moradyn) Byproduct Extract: Antiglycative and Hypoglycemic In Vitro Activities and Preliminary Bioaccessibility Studies. <i>Molecules</i> , 2020, 25, 1958.                                     | 1.7 | 18        |
| 18 | Search of ligands for the amyloidogenic protein $\beta^2$ -microglobulin by capillary electrophoresis and other techniques. <i>Electrophoresis</i> , 2005, 26, 4055-4063.  | 1.3 | 17        |

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|----|---|-----|-----------|
| 19 | Screening of fibrillogenesis inhibitors of $\beta$ 2-microglobulin: Integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. <i>Analytica Chimica Acta</i> , 2011, 685, 153-161.       | 2.6 | 17        |
| 20 | Advances in the Analysis of Veterinary Drug Residues in Food Matrices by Capillary Electrophoresis Techniques. <i>Molecules</i> , 2019, 24, 4617.   | 1.7 | 17        |
| 21 | Recovery of Chlorogenic Acids from Agri-Food Wastes: Updates on Green Extraction Techniques. <i>Molecules</i> , 2021, 26, 4515.   | 1.7 | 17        |
| 22 | Separation and characterisation of beta2-microglobulin folding conformers by ion-exchange liquid chromatography and ion-exchange liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 771, 108-114. | 2.6 | 16        |
| 23 | Pre-Concentration and Analysis of Mycotoxins in Food Samples by Capillary Electrophoresis. <i>Molecules</i> , 2020, 25, 3441.   | 1.7 | 13        |
| 24 | A new millifluidic-based gastrointestinal platform to evaluate the effect of simulated dietary methylglyoxal intakes. <i>Food and Function</i> , 2019, 10, 4330-4338.   | 2.1 | 12        |
| 25 | Partial Rescue of Biochemical Parameters After Hematopoietic Stem Cell Transplantation in a Patient with Prolidase Deficiency Due to Two Novel PEPD Mutations. <i>JIMD Reports</i> , 2011, 3, 71-77.                          | 0.7 | 11        |
| 26 | A Combined High-Resolution Mass Spectrometric and in-silico Approach for the Characterisation of Small Ligands of $\beta$ 2-microglobulin. <i>ChemMedChem</i> , 2010, 5, 1015-1025.   | 1.6 | 10        |
| 27 | Leveraging on nanomechanical sensors to single out active small ligands for $\beta$ 2-microglobulin. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1026-1031.   | 4.0 | 10        |
| 28 | A new MS compatible HPLC-UV method for Teicoplanin drug substance and related impurities, part 1: Development and validation studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 162, 185-191.          | 1.4 | 8         |
| 29 | Decaffeinated coffee and its benefits on health: focus on systemic disorders. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2506-2522.  | 5.4 | 8         |
| 30 | The influence of $\text{Cu}^{2+}$ on the unfolding and refolding of intact and proteolytically processed $\beta$ 2-microglobulin. <i>Electrophoresis</i> , 2008, 29, 1734-1740.   | 1.3 | 7         |
| 31 | Advanced glycation end products of beta2-microglobulin in uremic patients as determined by high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 91, 193-201.                   | 1.4 | 7         |
| 32 | Capillary electrophoresis analysis of different variants of the amyloidogenic protein $\beta$ 2-microglobulin as a simple tool for misfolding and stability studies. <i>Electrophoresis</i> , 2015, 36, 2465-2472.            | 1.3 | 6         |
| 33 | Chromatographic tools for plant-derived recombinant antibodies purification and characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112920.   | 1.4 | 5         |
| 34 | Application of an HPLC-MS/MS method for Teicoplanin drug substance and related impurities, part 2: Identity assignment of related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 168, 38-43.    | 1.4 | 4         |
| 35 | Development of an Accelerated Stability Model to Estimate Purple Corn Cob Extract Powder (Moradyn) Shelf-Life. <i>Foods</i> , 2021, 10, 1617.   | 1.9 | 4         |
| 36 | Selection and Optimization of an Innovative Polysaccharide-Based Carrier to Improve Anthocyanins Stability in Purple Corn Cob Extracts. <i>Antioxidants</i> , 2022, 11, 916.  | 2.2 | 4         |

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|----|---|-----|-----------|
| 37 | A New Polysaccharide Carrier Isolated from Camelina Cake: Structural Characterization, Rheological Behavior, and Its Influence on Purple Corn Cob Extract's Bioaccessibility. <i>Foods</i> , 2022, 11, 1736.  | 1.9 | 3         |
| 38 | Phytochemical profiling of aqueous methanolic leaf extract of <i>Triclisia gilletii</i> by gas chromatography (GC/MS) and liquid chromatography (HPLC-PDA-ESI/MSn) tandem mass spectroscopy (MS): a pointer to its nephroprotection. <i>Natural Product Research</i> , 2020, , 1-6. | 1.0 | 2         |