

Francesco Bemporad

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,436
citations

393982

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docs citations

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times ranked

2057
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Transthyretin/Oleuropein Aglycone Complex: A New Tool against TTR Amyloidosis. <i>Pharmaceuticals</i> , 2022, 15, 277. | 1.7 | 3 |
| 2 | Conversion of the Native N-Terminal Domain of TDP-43 into a Monomeric Alternative Fold with Lower Aggregation Propensity. <i>Molecules</i> , 2022, 27, 4309. | 1.7 | 3 |
| 3 | Insight into the Folding and Dimerization Mechanisms of the N-Terminal Domain from Human TDP-43. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6259. | 1.8 | 13 |
| 4 | Transthyretin Inhibits Primary and Secondary Nucleations of Amyloid- β Peptide Aggregation and Reduces the Toxicity of Its Oligomers. <i>Biomacromolecules</i> , 2020, 21, 1112-1125. | 2.6 | 59 |
| 5 | Probing conformational changes of monomeric transthyretin with second derivative fluorescence. <i>Scientific Reports</i> , 2019, 9, 10988. | 1.6 | 14 |
| 6 | Identification of Novel 1,3,5-Triphenylbenzene Derivative Compounds as Inhibitors of Hen Lysozyme Amyloid Fibril Formation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5558. | 1.8 | 6 |
| 7 | Capturing A β 42 aggregation in the cell. <i>Journal of Biological Chemistry</i> , 2019, 294, 1488-1489. | 1.6 | 1 |
| 8 | Stability of an aggregation-prone partially folded state of human profilin-1 correlates with aggregation propensity. <i>Journal of Biological Chemistry</i> , 2018, 293, 10303-10313. | 1.6 | 10 |
| 9 | Direct Conversion of an Enzyme from Native-like to Amyloid-like Aggregates within Inclusion Bodies. <i>Biophysical Journal</i> , 2017, 112, 2540-2551. | 0.2 | 9 |
| 10 | From the Evolution of Protein Sequences Able to Resist Self-Assembly to the Prediction of Aggregation Propensity. <i>International Review of Cell and Molecular Biology</i> , 2017, 329, 1-47. | 1.6 | 13 |
| 11 | FRET studies of various conformational states adopted by transthyretin. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3577-3598. | 2.4 | 7 |
| 12 | A single amino acid mutation affects elicitor and expansins-like activities of cerato-platanin, a non-catalytic fungal protein. <i>PLoS ONE</i> , 2017, 12, e0178337. | 1.1 | 14 |
| 13 | Molecular insights into cell toxicity of a novel familial amyloidogenic variant of β 2-microglobulin. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1443-1456. | 1.6 | 23 |
| 14 | The Folding process of Human Profilin-1, a novel protein associated with familial amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2015, 5, 12332. | 1.6 | 14 |
| 15 | Mutations of Profilin-1 Associated with Amyotrophic Lateral Sclerosis Promote Aggregation Due to Structural Changes of Its Native State. <i>ACS Chemical Biology</i> , 2015, 10, 2553-2563. | 1.6 | 23 |
| 16 | Structure and Dynamics of the Integrin LFA-1 I-Domain in the Inactive State Underlie its Inside-Out/Outside-In Signaling and Allosteric Mechanisms. <i>Structure</i> , 2015, 23, 745-753. | 1.6 | 15 |
| 17 | NMR characterization of the conformational fluctuations of the human lymphocyte function-associated antigen-1 I β domain. <i>Protein Science</i> , 2014, 23, 1596-1606. | 3.1 | 8 |
| 18 | A Complex Equilibrium among Partially Unfolded Conformations in Monomeric Transthyretin. <i>Biochemistry</i> , 2014, 53, 4381-4392. | 1.2 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Edge strand engineering prevents native-like aggregation in <i>Sulfolobus solfataricus</i> acylphosphatase. FEBS Journal, 2014, 281, 4072-4084. | 2.2 | 13 |
| 20 | Amyloid fibril formation by a normally folded protein in the absence of denaturants and agitation. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2013, 20, 226-232. | 1.4 | 6 |
| 21 | Characterizing Intermolecular Interactions That Initiate Native-Like Protein Aggregation. Biophysical Journal, 2012, 102, 2595-2604. | 0.2 | 26 |
| 22 | Rapid oligomer formation of human muscle acylphosphatase induced by heparan sulfate. Nature Structural and Molecular Biology, 2012, 19, 547-554. | 3.6 | 28 |
| 23 | ¹ H, ¹³ C and ¹⁵ N resonance assignments of human muscle acylphosphatase. Biomolecular NMR Assignments, 2012, 6, 27-29. | 0.4 | 16 |
| 24 | Protein Misfolded Oligomers: Experimental Approaches, Mechanism of Formation, and Structure-Toxicity Relationships. Chemistry and Biology, 2012, 19, 315-327. | 6.2 | 239 |
| 25 | Structural and Dynamics Characteristics of Acylphosphatase from <i>Sulfolobus solfataricus</i> in the Monomeric State and in the Initial Native-like Aggregates. Journal of Biological Chemistry, 2010, 285, 14689-14700. | 1.6 | 23 |
| 26 | Native-like aggregation of the acylphosphatase from <i>Sulfolobus solfataricus</i> and its biological implications. FEBS Letters, 2009, 583, 2630-2638. | 1.3 | 32 |
| 27 | A model for the aggregation of the acylphosphatase from <i>Sulfolobus solfataricus</i> in its native-like state. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1986-1996. | 1.1 | 20 |
| 28 | Biological function in a non-native partially folded state of a protein. EMBO Journal, 2008, 27, 1525-35. | 3.5 | 32 |
| 29 | The Folding Process of Acylphosphatase from <i>Escherichia coli</i> is Remarkably Accelerated by the Presence of a Disulfide Bond. Journal of Molecular Biology, 2008, 379, 1107-1118. | 2.0 | 14 |
| 30 | The Degree of Structural Protection at the Edge β -Strands Determines the Pathway of Amyloid Formation in Globular Proteins. Journal of the American Chemical Society, 2008, 130, 4295-4302. | 6.6 | 26 |
| 31 | Sequence and Structural Determinants of Amyloid Fibril Formation. Accounts of Chemical Research, 2006, 39, 620-627. | 7.6 | 102 |
| 32 | Assessing the role of aromatic residues in the amyloid aggregation of human muscle acylphosphatase. Protein Science, 2006, 15, 862-870. | 3.1 | 107 |
| 33 | Exploring the Mechanism of Formation of Native-like and Precursor Amyloid Oligomers for the Native Acylphosphatase from <i>Sulfolobus solfataricus</i> . Structure, 2006, 14, 993-1001. | 1.6 | 36 |
| 34 | Preliminary characterization of two different crystal forms of acylphosphatase from the hyperthermophile archaeon <i>Sulfolobus solfataricus</i> . Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 144-146. | 0.7 | 3 |
| 35 | Structure, conformational stability, and enzymatic properties of acylphosphatase from the hyperthermophile <i>Sulfolobus solfataricus</i> . Proteins: Structure, Function and Bioinformatics, 2005, 62, 64-79. | 1.5 | 43 |
| 36 | Evidence for a Mechanism of Amyloid Formation Involving Molecular Reorganisation within Native-like Precursor Aggregates. Journal of Molecular Biology, 2005, 351, 910-922. | 2.0 | 129 |

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|----|--|-----|-----------|
| 37 | Protein folding: Defining a "standard" set of experimental conditions and a preliminary kinetic data set of two-state proteins. <i>Protein Science</i> , 2005, 14, 602-616. | 3.1 | 207 |
| 38 | Amyloid Formation of a Protein in the Absence of Initial Unfolding and Destabilization of the Native State. <i>Biophysical Journal</i> , 2005, 89, 4234-4244. | 0.2 | 67 |
| 39 | Studying the Folding Process of the Acylphosphatase from <i>Sulfolobus solfataricus</i> . A Comparative Analysis with Other Proteins from the Same Superfamily. <i>Biochemistry</i> , 2004, 43, 9116-9126. | 1.2 | 19 |