# Vittorio Bellotti

List of Publications by Year
in descending order



| 179 | 10,706 | 41344 | 34986 |
|---|---|---|---|
| papers | citations | 49 h-index | 98 g-index |

| 185 | 185 | 185 | 8902 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Molecular Mechanisms of Amyloidosis. New England Journal of Medicine, 2003, 349, 583-596. | 27.0 | 1,629 |
| 2 | Instability, unfolding and aggregation of human lysozyme variants underlying amyloid fibrillogenesis. Nature, 1997, 385, 787-793. | 27.8 | 1,061 |
| 3 | Targeting C-reactive protein for the treatment of cardiovascular disease. Nature, 2006, 440, 1217-1221. | 27.8 | 621 |
| 4 | Antibodies to human serum amyloid P component eliminate visceral amyloid deposits. Nature, 2010, 468, 93-97. | 27.8 | 290 |
| 5 | Removal of the Nâ€terminal hexapeptide from human Î²2â€microglobulin facilitates protein aggregation and fibril formation. Protein Science, 2000, 9, 831-845. | 7.6 | 263 |
| 6 | Rapid Proton-Detected NMR Assignment for Proteins with Fast Magic Angle Spinning. Journal of the American Chemical Society, 2014, 136, 12489-12497. | 13.7 | 254 |
| 7 | Interaction of the anthracycline 4'-iodo-4'-deoxydoxorubicin with amyloid fibrils: inhibition of amyloidogenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 2959-2963. | 7.1 | 198 |
| 8 | Review: Immunoglobulin Light Chain Amyloidosisâ€"The Archetype of Structural and Pathogenic Variability. Journal of Structural Biology, 2000, 130, 280-289. | 2.8 | 179 |
| 9 | Hereditary Systemic Amyloidosis Due to Asp76Asn Variant Î²<sub>2</sub>-Microglobulin. New England Journal of Medicine, 2012, 366, 2276-2283. | 27.0 | 172 |
| 10 | The solution structure of human Î²2â€microglobulin reveals the prodromes of its amyloid transition. Protein Science, 2002, 11, 487-499. | 7.6 | 145 |
| 11 | A Partially Structured Species of Î²2-Microglobulin Is Significantly Populated under Physiological Conditions and Involved in Fibrillogenesis. Journal of Biological Chemistry, 2001, 276, 46714-46721. | 3.4 | 137 |
| 12 | Amyloidogenic and Associated Proteins in Systemic Amyloidosis Proteome of Adipose Tissue. Molecular and Cellular Proteomics, 2008, 7, 1570-1583. | 3.8 | 134 |
| 13 | New drug therapy of amyloidoses: resorption of AL-type deposits with 4'- iodo-4'-deoxydoxorubicin. Blood, 1995, 86, 855-861. | 1.4 | 128 |
| 14 | Collagen Plays an Active Role in the Aggregation of Î²2-Microglobulin under Physiopathological Conditions of Dialysis-related Amyloidosis*. Journal of Biological Chemistry, 2006, 281, 16521-16529. | 3.4 | 128 |
| 15 | Structure, function and amyloidogenic propensity of apolipoprotein A-I. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2006, 13, 191-205. | 3.0 | 124 |
| 16 | Systemic Exosomal Delivery of shRNA Minicircles Prevents Parkinsonian Pathology. Molecular Therapy, 2019, 27, 2111-2122. | 8.2 | 120 |
| 17 | Detection of two partially structured species in the folding process of the amyloidogenic protein Î²2-microglobulin. Journal of Molecular Biology, 2001, 307, 379-391. | 4.2 | 115 |
| 18 | A novel mechanoâ€enzymatic cleavage mechanism underlies transthyretin amyloidogenesis. EMBO Molecular Medicine, 2015, 7, 1337-1349. | 6.9 | 109 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The New Apolipoprotein A-I Variant Leu174 â†' Ser Causes Hereditary Cardiac Amyloidosis, and the Amyloid Fibrils Are Constituted by the 93-Residue N-Terminal Polypeptide. American Journal of Pathology, 1999, 155, 695-702. | 3.8 | 108 |
| 20 | Heparin Strongly Enhances the Formation of Î²2-Microglobulin Amyloid Fibrils in the Presence of Type I Collagen. Journal of Biological Chemistry, 2008, 283, 4912-4920. | 3.4 | 108 |
| 21 | Atomic structure of a nanobody-trapped domain-swapped dimer of an amyloidogenic Î²2-microglobulin variant. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1314-1319. | 7.1 | 108 |
| 22 | Î²â€ƒ2â€•microglobulin can be refolded into a native state from ex vivo amyloid fibrils. FEBS Journal, 1998, 258, 61-67. | 0.2 | 107 |
| 23 | Biological activity and pathological implications of misfolded proteins. Cellular and Molecular Life Sciences, 1999, 55, 977. | 5.4 | 102 |
| 24 | Amyloidogenesis in its biological environment: challenging a fundamental issue in protein misfolding diseases. Current Opinion in Structural Biology, 2008, 18, 771-779. | 5.7 | 100 |
| 25 | Susceptibility to AA amyloidosis in rheumatic diseases: A critical overview. Arthritis and Rheumatism, 2009, 61, 1435-1440. | 6.7 | 100 |
| 26 | Proteolytic cleavage of Ser52Pro variant transthyretin triggers its amyloid fibrillogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1539-1544. | 7.1 | 91 |
| 27 | Effect of Tetracyclines on the Dynamics of Formation and Destructuration of Î²2-Microglobulin Amyloid Fibrils. Journal of Biological Chemistry, 2011, 286, 2121-2131. | 3.4 | 87 |
| 28 | Conformational Switching and Fibrillogenesis in the Amyloidogenic Fragment of Apolipoprotein A-I. Journal of Biological Chemistry, 2003, 278, 2444-2451. | 3.4 | 86 |
| 29 | The Controlling Roles of Trp60 and Trp95 in Î²2-Microglobulin Function, Folding and Amyloid Aggregation Properties. Journal of Molecular Biology, 2008, 378, 887-897. | 4.2 | 82 |
| 30 | A novelAÎ²PP mutation exclusively associated with cerebral amyloid angiopathy. Annals of Neurology, 2005, 58, 639-644. | 5.3 | 81 |
| 31 | Structure, Folding Dynamics, and Amyloidogenesis of D76N Î²2-Microglobulin. Journal of Biological Chemistry, 2013, 288, 30917-30930. | 3.4 | 80 |
| 32 | Probing the Influence of Citrate-Capped Gold Nanoparticles on an Amyloidogenic Protein. ACS Nano, 2015, 9, 2600-2613. | 14.6 | 80 |
| 33 | Lysozyme: A paradigmatic molecule for the investigation of protein structure, function and misfolding. Clinica Chimica Acta, 2005, 357, 168-172. | 1.1 | 74 |
| 34 | Capillary electrophoresis studies on the aggregation process ofÎ²-amyloid 1-42 and 1-40 peptides. Electrophoresis, 2004, 25, 3186-3194. | 2.4 | 73 |
| 35 | Systemic Amyloidosis: Lessons from Î²2-Microglobulin. Journal of Biological Chemistry, 2015, 290, 9951-9958. | 3.4 | 73 |
| 36 | Liver biopsy discloses a new apolipoprotein A-I hereditary amyloidosis in several unrelated Italian families. Gastroenterology, 2004, 126, 1416-1422. | 1.3 | 70 |

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| 37 | Plasminogen activation triggers transthyretin amyloidogenesis in vitro. Journal of Biological Chemistry, 2018, 293, 14192-14199. | 3.4 | 68 |
| 38 | Relevance of class, molecular weight and isoelectric point in predicting human light chain amyloidogenicity. British Journal of Haematology, 1990, 74, 65-69. | 2.5 | 65 |
| 39 | Properties of Some Variants of Human Î²2-Microglobulin and Amyloidogenesis. Journal of Biological Chemistry, 2004, 279, 9176-9189. | 3.4 | 65 |
| 40 | The H50Q Mutation Induces a 10-fold Decrease in the Solubility of Î±-Synuclein. Journal of Biological Chemistry, 2015, 290, 2395-2404. | 3.4 | 65 |
| 41 | Molecular dissection of Alzheimer's disease neuropathology by depletion of serum amyloid P component. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7619-7623. | 7.1 | 63 |
| 42 | The workings of the amyloid diseases. Annals of Medicine, 2007, 39, 200-207. | 3.8 | 62 |
| 43 | Study of three patients with monoclonal gammopathies and â€˜lupus-likeâ€™ anticoagulants. British Journal of Haematology, 1989, 73, 221-227. | 2.5 | 57 |
| 44 | Â2-Microglobulin isoforms display an heterogeneous affinity for type I collagen. Protein Science, 2005, 14, 696-702. | 7.6 | 56 |
| 45 | 4â€²-Iodo-4â€²-Deoxydoxorubicin Disrupts the Fibrillar Structure of Transthyretin Amyloid. American Journal of Pathology, 2000, 156, 1919-1925. | 3.8 | 55 |
| 46 | Trapping of palindromic ligands within native transthyretin prevents amyloid formation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20483-20488. | 7.1 | 55 |
| 47 | Native-unlike Long-lived Intermediates along the Folding Pathway of the Amyloidogenic Protein Î²2-Microglobulin Revealed by Real-time Two-dimensional NMR. Journal of Biological Chemistry, 2010, 285, 5827-5835. | 3.4 | 55 |
| 48 | Topological investigation of amyloid fibrils obtained from Î²2-microglobulin. Protein Science, 2009, 11, 2362-2369. | 7.6 | 53 |
| 49 | Conformational dynamics in crystals reveal the molecular bases for D76N beta-2 microglobulin aggregation propensity. Nature Communications, 2018, 9, 1658. | 12.8 | 53 |
| 50 | Capillary electrophoresis investigation of a partially unfolded conformation of Î²2-microglobulin. Electrophoresis, 2002, 23, 918-925. | 2.4 | 52 |
| 51 | Cardiac immunocyte-derived (AL) amyloidosis: An endomyocardial biopsy study in 11 patients. American Heart Journal, 1995, 130, 528-536. | 2.7 | 50 |
| 52 | D25V apolipoprotein C-III variant causes dominant hereditary systemic amyloidosis and confers cardiovascular protective lipoprotein profile. Nature Communications, 2016, 7, 10353. | 12.8 | 50 |
| 53 | Pharmaceutical Strategies Against Amyloidosis: Old and New Drugs in Targeting a “Protein Misfolding Disease”. Current Medicinal Chemistry, 2004, 11, 1065-1084. | 2.4 | 48 |
| 54 | Effects of the Known Pathogenic Mutations on the Aggregation Pathway of the Amyloidogenic Peptide of Apolipoprotein A-I. Journal of Molecular Biology, 2011, 407, 465-476. | 4.2 | 48 |

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| 55 | Rational design of mutations that change the aggregation rate of a protein while maintaining its native structure and stability. Scientific Reports, 2016, 6, 25559. | 3.3 | 47 |
| 56 | A Narrative Review of the Role of Transthyretin in Health and Disease. Neurology and Therapy, 2020, 9, 395-402. | 3.2 | 47 |
| 57 | The complementary role of histology and proteomics for diagnosis and typing of systemic amyloidosis. Journal of Pathology: Clinical Research, 2019, 5, 145-153. | 3.0 | 46 |
| 58 | Occurrence of monoclonal components in general practice: Clinical implications. European Journal of Haematology, 1992, 48, 192-195. | 2.2 | 45 |
| 59 | Amyloid fibrils derived from the apolipoprotein A1 Leu174Ser variant contain elements of ordered helical structure. Protein Science, 2001, 10, 187-199. | 7.6 | 44 |
| 60 | Characterization of apo(a) polymorphism by a modified immunoblotting technique in an italian population sample. Clinica Chimica Acta, 1993, 221, 159-169. | 1.1 | 43 |
| 61 | DEâ€loop mutations affect Î²2 microglobulin stability, oligomerization, and the lowâ€pH unfolded form. Protein Science, 2010, 19, 1386-1394. | 7.6 | 43 |
| 62 | Molecular Dynamics Simulation Suggests Possible Interaction Patterns at Early Steps of Î²2-Microglobulin Aggregation. Biophysical Journal, 2007, 92, 1673-1681. | 0.5 | 39 |
| 63 | The polyphenol Oleuropein aglycone hinders the growth of toxic transthyretin amyloid assemblies. Journal of Nutritional Biochemistry, 2016, 30, 153-166. | 4.2 | 39 |
| 64 | Breakdown of supersaturation barrier links protein folding to amyloid formation. Communications Biology, 2021, 4, 120. | 4.4 | 39 |
| 65 | Î²2-Microglobulin H31Y Variant 3D Structure Highlights the Protein Natural Propensity Towards Intermolecular Aggregation. Journal of Molecular Biology, 2004, 335, 1051-1064. | 4.2 | 38 |
| 66 | Limited proteolysis in the investigation of Î²2-microglobulin amyloidogenic and fibrillar states. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1753, 44-50. | 2.3 | 36 |
| 67 | Proteomics of Î²2-microglobulin amyloid fibrils. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1753, 23-33. | 2.3 | 36 |
| 68 | DE loop mutations affect Î²2-microglobulin stability and amyloid aggregation. Biochemical and Biophysical Research Communications, 2008, 377, 146-150. | 2.1 | 36 |
| 69 | Reversal of nephrotic syndrome due to reactive amyloidosis (AA-type) after excision of localized Castleman's disease. American Journal of Hematology, 1994, 46, 189-193. | 4.1 | 35 |
| 70 | Folding and Fibrillogenesis: Clues from Î²2-Microglobulin. Journal of Molecular Biology, 2010, 401, 286-297. | 4.2 | 35 |
| 71 | Fibrillar vs Crystalline Full-Length Î²-2-Microglobulin Studied by High-Resolution Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2010, 132, 5556-5557. | 13.7 | 32 |
| 72 | Monitoring the Interaction between Î²2-Microglobulin and the Molecular Chaperone Î±B-crystallin by NMR and Mass Spectrometry. Journal of Biological Chemistry, 2013, 288, 17844-17858. | 3.4 | 32 |

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| 73 | Â2-Microglobulin is potentially neurotoxic, but the blood brain barrier is likely to protect the brain from its toxicity. Nephrology Dialysis Transplantation, 2008, 24, 1176-1181. | 0.7 | 31 |
| 74 | Molecular dynamics simulation of Î²<sub>2</sub>â€microglobulin in denaturing and stabilizing conditions. Proteins: Structure, Function and Bioinformatics, 2011, 79, 986-1001. | 2.6 | 31 |
| 75 | Structure, Stability, and Aggregation of Î²-2 Microglobulin Mutants: Insights from a Fourier Transform Infrared Study in Solution and in the Crystalline State. Biophysical Journal, 2012, 102, 1676-1684. | 0.5 | 31 |
| 76 | Assessment of Cellular Responses after Short- and Long-Term Exposure to Silver Nanoparticles in Human Neuroblastoma (SH-SY5Y) and Astrocytoma (D384) Cells. Scientific World Journal, The, 2014, 2014, 1-13. | 2.1 | 31 |
| 77 | Î±-Synuclein structural features inhibit harmful polyunsaturated fatty acid oxidation, suggesting roles in neuroprotection. Journal of Biological Chemistry, 2017, 292, 6927-6937. | 3.4 | 31 |
| 78 | Inhibition of the mechano-enzymatic amyloidogenesis of transthyretin: role of ligand affinity, binding cooperativity and occupancy of the inner channel. Scientific Reports, 2017, 7, 182. | 3.3 | 31 |
| 79 | Characteristics of a ferritinâ€binding protein present in human serum. British Journal of Haematology, 1987, 65, 489-493. | 2.5 | 30 |
| 80 | Citrate stabilized gold nanoparticles interfere with amyloid fibril formation: D76N and Î”N6 Î²2-microglobulin variants. Nanoscale, 2018, 10, 4793-4806. | 5.6 | 30 |
| 81 | Oleuropein aglycone: A polyphenol with different targets against amyloid toxicity. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1432-1442. | 2.4 | 30 |
| 82 | Amino acid sequence of k Sci, the Bence Jones protein isolated from a patient with light chain deposition disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1991, 1097, 177-182. | 3.8 | 29 |
| 83 | Protein Aggregation. Clinical Chemistry and Laboratory Medicine, 2001, 39, 1065-75. | 2.3 | 29 |
| 84 | Human beta-2 microglobulin W60V mutant structure: Implications for stability and amyloid aggregation. Biochemical and Biophysical Research Communications, 2009, 380, 543-547. | 2.1 | 29 |
| 85 | Co-fibrillogenesis of Wild-type and D76N Î²2-Microglobulin. Journal of Biological Chemistry, 2016, 291, 9678-9689. | 3.4 | 29 |
| 86 | Use of Anti-(beta2 Microglobulin) mAb to Study Formation of Amyloid Fibrils. FEBS Journal, 1997, 249, 21-26. | 0.2 | 28 |
| 87 | Affinity capillary electrophoresis is a powerful tool to identify transthyretin binding drugs for potential therapeutic use in amyloidosis. Electrophoresis, 2000, 21, 3280-3289. | 2.4 | 27 |
| 88 | Micro-heterogeneity and aggregation in Î²2-microglobulin solutions: effects of temperature, pH, and conformational variant addition. European Biophysics Journal, 2006, 35, 439-445. | 2.2 | 27 |
| 89 | New drug therapy of amyloidoses: resorption of AL-type deposits with 4'-iodo-4'-deoxydoxorubicin. Blood, 1995, 86, 855-61. | 1.4 | 27 |
| 90 | Family developmental risk factors among adolescents with disabilities and children of parents with disabilities. Journal of Adolescence, 2007, 30, 1001-1019. | 2.4 | 26 |

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| 91 | Citrate-stabilized gold nanoparticles hinder fibrillogenesis of a pathological variant of Î²<sub>2</sub>-microglobulin. Nanoscale, 2017, 9, 3941-3951. | 5.6 | 26 |
| 92 | Solution structure of Î²2-microglobulin and insights into fibrillogenesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1753, 76-84. | 2.3 | 25 |
| 93 | Amyloid persistence in decellularized liver: biochemical and histopathological characterization. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2016, 23, 1-7. | 3.0 | 25 |
| 94 | Binding of Monovalent and Bivalent Ligands by Transthyretin Causes Different Short- and Long-Distance Conformational Changes. Journal of Medicinal Chemistry, 2019, 62, 8274-8283. | 6.4 | 25 |
| 95 | Current concepts on the pathogenesis of systemic amyloidosis. Nephrology Dialysis Transplantation, 1996, 11, 53-62. | 0.7 | 24 |
| 96 | Lysine 58-cleaved beta2-microglobulin is not detectable by 2D electrophoresis in ex vivo amyloid fibrils of two patients affected by dialysis-related amyloidosis. Protein Science, 2006, 16, 343-349. | 7.6 | 24 |
| 97 | Benefit of doxycycline treatment on articular disability caused by dialysis related amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2013, 20, 173-178. | 3.0 | 24 |
| 98 | Defect of Platelet Aggregation and Adhesion Induced by Autoantibodies Against Platelet Glycoprotein IIIa. Thrombosis and Haemostasis, 1992, 68, 208-213. | 3.4 | 24 |
| 99 | Immunological Reactivity of Serum Ferritin in Patients with Malignancy. Tumori, 1985, 71, 547-554. | 1.1 | 23 |
| 100 | Dynamic of Î²2â€Microglobulin Fibril Formation and Reabsorption: The Role ofâ€ƒProteolysis. Seminars in Dialysis, 2001, 14, 117-122. | 1.3 | 23 |
| 101 | Structural and Folding Dynamic Properties of the T70N Variant of Human Lysozyme. Journal of Biological Chemistry, 2003, 278, 25910-25918. | 3.4 | 23 |
| 102 | Molecular insights into cell toxicity of a novel familial amyloidogenic variant of Î²2â€microglobulin. Journal of Cellular and Molecular Medicine, 2016, 20, 1443-1456. | 3.6 | 23 |
| 103 | Detection of fragments of Î²2-microglobulin in amyloid fibrils. Kidney International, 2000, 57, 349-350. | 5.2 | 22 |
| 104 | The intracellular quality control system down-regulates the secretion of amyloidogenic apolipoprotein A-I variants: A possible impact on the natural history of the disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 87-93. | 3.8 | 22 |
| 105 | Class I Major Histocompatibility Complex, the Trojan Horse for Secretion of Amyloidogenic Î²2-Microglobulin. Journal of Biological Chemistry, 2014, 289, 3318-3327. | 3.4 | 22 |
| 106 | Multifaceted anti-amyloidogenic and pro-amyloidogenic effects of C-reactive protein and serum amyloid P component in vitro. Scientific Reports, 2016, 6, 29077. | 3.3 | 22 |
| 107 | C. elegans Expressing Human Î²2-Microglobulin: A Novel Model for Studying the Relationship between the Molecular Assembly and the Toxic Phenotype. PLoS ONE, 2012, 7, e52314. | 2.5 | 21 |
| 108 | Equilibrium Unfolding Thermodynamics of Î²2-Microglobulin Analyzed through Native-State H/D Exchange. Biophysical Journal, 2009, 96, 169-179. | 0.5 | 20 |

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| 109 | L444P Gba1 mutation increases formation and spread of Î±-synuclein deposits in mice injected with mouse Î±-synuclein pre-formed fibrils. PLoS ONE, 2020, 15, e0238075. | 2.5 | 20 |
| 110 | Diagnostic amyloid proteomics: experience of the UK National Amyloidosis Centre. Clinical Chemistry and Laboratory Medicine, 2020, 58, 948-957. | 2.3 | 20 |
| 111 | Use of a monoclonal antibody against human heart ferritin for evaluating acidic ferritin concentration in human serum. British Journal of Haematology, 1985, 61, 445-453. | 2.5 | 19 |
| 112 | Ultrastructural organization of ex vivo amyloid fibrils formed by the apolipoprotein A-I Leu174Ser variant: an atomic force microscopy study. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1690, 33-41. | 3.8 | 19 |
| 113 | Historical and Current Concepts of Fibrillogenesis and In vivo Amyloidogenesis: Implications of Amyloid Tissue Targeting. Frontiers in Molecular Biosciences, 2016, 3, 17. | 3.5 | 19 |
| 114 | Biochemical and Electrophysiological Modification of Amyloid Transthyretin on Cardiomyocytes. Biophysical Journal, 2016, 111, 2024-2038. | 0.5 | 19 |
| 115 | Structural and functional characterization of three human immunoglobulin Î» light chains with different pathological implications. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1996, 1317, 161-167. | 3.8 | 18 |
| 116 | Neurodegenerative diseases caused by protein aggregation: a phenomenon at the borderline between molecular evolution and ageing. Pharmacological Research, 2004, 50, 419-431. | 7.1 | 18 |
| 117 | Recombinant amyloidogenic domain of ApoA-I: Analysis of its fibrillogenic potential. Biochemical and Biophysical Research Communications, 2006, 351, 223-228. | 2.1 | 18 |
| 118 | Sulfonated molecules that bind a partially structured species of Î²<sub>2</sub>â€microglobulin also influence refolding and fibrillogenesis. Electrophoresis, 2008, 29, 1502-1510. | 2.4 | 18 |
| 119 | A recurrent Dâ€strand association interface is observed in Î²â€2 microglobulin oligomers. FEBS Journal, 2012, 279, 1131-1143. | 4.7 | 18 |
| 120 | A specific nanobody prevents amyloidogenesis of D76N Î²2-microglobulin in vitro and modifies its tissue distribution in vivo. Scientific Reports, 2017, 7, 46711. | 3.3 | 18 |
| 121 | Search of ligands for the amyloidogenic protein Î²2-microglobulin by capillary electrophoresis and other techniques. Electrophoresis, 2005, 26, 4055-4063. | 2.4 | 17 |
| 122 | Human Lysozyme. , 2007, , 285-308. | | 17 |
| 123 | The two tryptophans of Î²2-microglobulin have distinct roles in function and folding and might represent two independent responses to evolutionary pressure. BMC Evolutionary Biology, 2011, 11, 159. | 3.2 | 16 |
| 124 | Enhanced molecular chaperone activity of the small heatâ€shock protein Î±Bâ€crystallin following covalent immobilization onto a solidâ€phase support. Biopolymers, 2011, 95, 376-389. | 2.4 | 14 |
| 125 | Structure of an early nativeâ€like intermediate of Î²2â€microglobulin amyloidogenesis. Protein Science, 2013, 22, 1349-1357. | 7.6 | 14 |
| 126 | Increasing the accuracy of proteomic typing by decellularisation of amyloid tissue biopsies. Journal of Proteomics, 2017, 165, 113-118. | 2.4 | 14 |

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| 127 | C. elegans expressing D76N Î²2-microglobulin: a model for in vivo screening of drug candidates targeting amyloidosis. Scientific Reports, 2019, 9, 19960. | 3.3 | 14 |
| 128 | Dâ€strand perturbation and amyloid propensity in betaâ€2 microglobulin. FEBS Journal, 2011, 278, 2349-2358. | 4.7 | 13 |
| 129 | Deposition of kappa and lambda light chains in amyloid filaments of dialysis-related amyloidosis.. Journal of the American Society of Nephrology: JASN, 1995, 6, 1262-1270. | 6.1 | 13 |
| 130 | Plasmin activity promotes amyloid deposition in a transgenic model of human transthyretin amyloidosis. Nature Communications, 2021, 12, 7112. | 12.8 | 13 |
| 131 | Structural characterization of Îº II Inc, a new amyloid immunoglobulin. BBA - Proteins and Proteomics, 1989, 995, 103-108. | 2.1 | 12 |
| 132 | Comparative study of the stabilities of synthetic in vitro and natural ex vivo transthyretin amyloid fibrils. Journal of Biological Chemistry, 2020, 295, 11379-11387. | 3.4 | 12 |
| 133 | Identification and characterization of a new ligand-binding site in FnbB, a fibronectin-binding adhesin from Streptococcus dysgalactiae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1646, 173-183. | 2.3 | 11 |
| 134 | Interference of citrate-stabilized gold nanoparticles with Î²2-microglobulin oligomeric association. Chemical Communications, 2018, 54, 5422-5425. | 4.1 | 11 |
| 135 | Amyloid Formation by Globular Proteins: The Need to Narrow the Gap Between in Vitro and in Vivo Mechanisms. Frontiers in Molecular Biosciences, 2022, 9, 830006. | 3.5 | 11 |
| 136 | Reduction of conformational mobility and aggregation in W60G Î²<sub>2</sub>â€microglobulin: assessment by <sup>15</sup>N NMR relaxation. Magnetic Resonance in Chemistry, 2013, 51, 795-807. | 1.9 | 10 |
| 137 | Use of an Anti-Idiotypic Monoclonal Antibody in Studying Amyloidogenic Light Chains in Cells, Urine and Fibrils: Pathophysiology and Clinical Implications. Scandinavian Journal of Immunology, 1992, 36, 607-616. | 2.7 | 9 |
| 138 | The effects of an ideal Î²-turn on Î²-2 microglobulin fold stability. Journal of Biochemistry, 2011, 150, 39-47. | 1.7 | 9 |
| 139 | Determining the Energy Landscape of Proteins by a Fast Isotope Exchange NMR Approach. Journal of the American Chemical Society, 2012, 134, 4457-4460. | 13.7 | 9 |
| 140 | Enhanced toxicity of silver nanoparticles in transgenicCaenorhabditis elegansexpressing amyloidogenic proteins. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2015, 22, 221-228. | 3.0 | 9 |
| 141 | Proteomics in protein misfolding diseases. Clinical Chemistry and Laboratory Medicine, 2009, 47, 627-35. | 2.3 | 8 |
| 142 | Pathological Self-Aggregation ofb2-Microglobulin: A Challenge for Protein Biophysics. Sub-Cellular Biochemistry, 2012, 65, 165-183. | 2.4 | 8 |
| 143 | Fibrillogenesis of human Î²<sub>2</sub>â€microglobulin in threeâ€dimensional silicon microstructures. Journal of Biophotonics, 2012, 5, 785-792. | 2.3 | 8 |
| 144 | Misidentification of transthyretin and immunoglobulin variants by proteomics due to methyl lysine formation in formalin-fixed paraffin-embedded amyloid tissue. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 229-237. | 3.0 | 8 |

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| 145 | Toward understanding the molecular pathogenesis of monoclonal immunoglobulin light-chain deposition. Nephrology Dialysis Transplantation, 1996, 11, 1708-1711. | 0.7 | 7 |
| 146 | Single-shot NMR measurement of protein unfolding landscapes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 842-849. | 2.3 | 7 |
| 147 | The interaction of Î²2-microglobulin with gold nanoparticles: impact of coating, charge and size. Journal of Materials Chemistry B, 2018, 6, 5964-5974. | 5.8 | 7 |
| 148 | Lysozyme amyloid: evidence for the W64R variant by proteomics in the absence of the wild type protein. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2020, 27, 206-207. | 3.0 | 6 |
| 149 | Characterization of the Two Unique Human Anti-Flavin Monoclonal Immunoglobulins. FEBS Journal, 1995, 228, 886-893. | 0.2 | 6 |
| 150 | Selective bone marrow involvement of lymphoplasmacytic cells secreting monoclonal IgA rheumatoid factor in a patient with Sjogren's syndrome and serum hyperviscosity.. Annals of the Rheumatic Diseases, 1987, 46, 938-942. | 0.9 | 5 |
| 151 | Immunobiology and pathogenesis of hepatitis C virus infection. Research in Virology, 1993, 144, 269-274. | 0.7 | 5 |
| 152 | Hepatitis C virusâ€associated cryoglobulinaemicglomerulonephritis with delayed appearance ofmonoclonal cryoglobulinaemia. Nephrology Dialysis Transplantation, 2001, 16, 432-434. | 0.7 | 5 |
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