

References

- Alessandrini, A. and P. Facci (2005). "AFM: a versatile tool in biophysics." *Measurement science and technology* **16**(6): R65.
- Alzheimer's, A. (2015). "2015 Alzheimer's disease facts and figures." *Alzheimer's & dementia: the journal of the Alzheimer's Association* **11**(3): 332.
- Apetri, M. M., N. C. Maiti, et al. (2006). "Secondary structure of alpha-synuclein oligomers: characterization by raman and atomic force microscopy." *J Mol Biol* **355**(1): 63-71.
- Apetri, M. M., N. C. Maiti, et al. (2006). "Secondary structure of α -synuclein oligomers: characterization by raman and atomic force microscopy." *Journal of molecular biology* **355**(1): 63-71.
- Babul, J. and E. Stellwagen (1972). "Participation of the protein ligands in the folding of cytochrome c." *Biochemistry* **11**(7): 1195-1200.
- Babul, J. and E. Stellwagen (1972). "Participation of the protein ligands in the folding of cytochrome c." *Biochemistry* **11**(7): 1195-1200.
- Berg, J. M., J. L. Tymoczko, et al. (2002). "Protein structure and function."
- Berson, J. F., A. C. Theos, et al. (2003). "Proprotein convertase cleavage liberates a fibrillogenic fragment of a resident glycoprotein to initiate melanosome biogenesis." *The Journal of cell biology* **161**(3): 521-533.
- Bhattacharyya, R. and P. Chakrabarti (2003). "Stereospecific interactions of proline residues in protein structures and complexes." *Journal of molecular biology* **331**(4): 925-940.
- Bi, S., L. Yan, et al. (2012). "Spectroscopic study on the interaction of eugenol with salmon sperm DNA in vitro." *Journal of Luminescence* **132**(9): 2355-2360.
- Bi, S., L. Yan, et al. (2012). "Spectroscopic study on the interaction of eugenol with salmon sperm DNA in vitro." *Journal of Luminescence* **132**: 6.
- Brodsky, B. and A. V. Persikov (2005). "Molecular structure of the collagen triple helix." *Advances in protein chemistry* **70**: 301-339.
- Brooks, B. R., C. L. Brooks, 3rd, et al. (2009). "CHARMM: the biomolecular simulation program." *J Comput Chem* **30**(10): 1545-1614.
- Brooks, B. R., C. L. Brooks, et al. (2009). "CHARMM: the biomolecular simulation program." *Journal of computational chemistry* **30**(10): 1545-1614.
- Buchanan, L. E., J. K. Carr, et al. (2014). "Structural motif of polyglutamine amyloid fibrils discerned with mixed-isotope infrared spectroscopy." *Proceedings of the National Academy of Sciences* **111**(16): 5796-5801.
- Burgeson, R. E. (1993). "Type VII collagen, anchoring fibrils, and epidermolysis bullosa." *Journal of Investigative Dermatology* **101**(3): 252-255.
- Chamani, J., N. Tafrishi, et al. (2010). "Characterization of the interaction between human lactoferrin and lomefloxacin at physiological condition: Multi-spectroscopic and modeling description." *Journal of Luminescence* **130**: 9.
- Chapman, M. R., L. S. Robinson, et al. (2002). "Role of Escherichia coli curli operons in directing amyloid fiber formation." *Science* **295**(5556): 851-855.
- Chatani, E., H. Imamura, et al. (2014). "Stepwise organization of the β -structure identifies key regions essential for the propagation and cytotoxicity of insulin amyloid fibrils." *Journal of Biological Chemistry* **289**(15): 10399-10410.
- Cheng, J. S., D. B. Dubal, et al. (2009). "Collagen VI protects neurons against A β toxicity." *Nature neuroscience* **12**(2): 119-121.
- Chinnathambi, S., D. Velmurugan, et al. (2014). "Investigations on the interactions of 5-fluorouracil with bovine serum albumin: Optical spectroscopic and molecular modeling studies." *Journal of Luminescence* **151**: 10.

- Chiti, F. and C. M. Dobson (2006). "Protein misfolding, functional amyloid, and human disease." *Annu Rev Biochem* **75**: 333-366.
- Chiti, F. and C. M. Dobson (2009). "Amyloid formation by globular proteins under native conditions." *Nat Chem Biol* **5**(1): 15-22.
- Cho, J. S., T. H. Kim, et al. (2008). "Effects of eugenol on Na⁺ currents in rat dorsal root ganglion neurons." *Brain research* **1243**: 53-62.
- Ciolkowski, M., B. Pałecz, et al. (2012). "The influence of maltose modified poly (propylene imine) dendrimers on hen egg white lysozyme structure and thermal stability." *Colloids and Surfaces B: Biointerfaces* **95**: 103-108.
- Dische, F., C. Wernstedt, et al. (1988). "Insulin as an amyloid-fibril protein at sites of repeated insulin injections in a diabetic patient." *Diabetologia* **31**(3): 158-161.
- Dubey, K., B. G. Anand, et al. (2014). "Evidence of rapid coaggregation of globular proteins during amyloid formation." *Biochemistry* **53**(51): 8001-8004.
- Engel, J., H. Furthmayr, et al. (1985). "Structure and Macromolecular Organization of Type VI Collagena." *Annals of the New York Academy of Sciences* **460**(1): 25-37.
- Fandrich, M., M. A. Fletcher, et al. (2001). "Amyloid fibrils from muscle myoglobin." *Nature* **410**(6825): 165-166.
- Fang, J.-Y., C.-L. Fang, et al. (2001). "Capsaicin and nonivamide as novel skin permeation enhancers for indomethacin." *European journal of pharmaceutical sciences* **12**(3): 195-203.
- Farndale, R., J. Sixma, et al. (2004). "The role of collagen in thrombosis and hemostasis." *Journal of Thrombosis and Haemostasis* **2**(4): 561-573.
- Frydman, J. (2001). "Folding of newly translated proteins in vivo: the role of molecular chaperones." *Annual review of biochemistry* **70**(1): 603-647.
- Fujisawa, S., Y. Kashiwagi, et al. (1999). "Application of bis-eugenol to a zinc oxide eugenol cement." *Journal of dentistry* **27**(4): 291-295.
- Fujisawa, S. and E. Masuhara (1981). "Binding of eugenol and o-ethoxybenzoic acid to bovine serum albumin." *J Dent Res* **60**(4): 860-864.
- Fujisawa, S. and E. Masuhara (1981). "Binding of eugenol and o-ethoxybenzoic acid to bovine serum albumin." *Journal of dental research* **60**(4): 860-864.
- Gazit, E. (2002). "A possible role for π -stacking in the self-assembly of amyloid fibrils." *The FASEB Journal* **16**(1): 77-83.
- Goda, S., K. Takano, et al. (2000). "Amyloid protofilament formation of hen egg lysozyme in highly concentrated ethanol solution." *Protein Science* **9**(02): 369-375.
- Gong, H., Z. He, et al. (2014). "Effects of several quinones on insulin aggregation." *Scientific reports* **4**.
- Gong, H., Z. He, et al. (2014). "Effects of several quinones on insulin aggregation." *Sci Rep* **4**: 5648.
- Greenwald, J. and R. Riek (2010). "Biology of amyloid: structure, function, and regulation." *Structure* **18**(10): 1244-1260.
- Gulcin, I. (2011). "Antioxidant activity of eugenol: a structure-activity relationship study." *J Med Food* **14**(9): 975-985.
- Hartl, F. U. and M. Hayer-Hartl (2002). "Molecular chaperones in the cytosol: from nascent chain to folded protein." *Science* **295**(5561): 1852-1858.
- Hempenstall, K., T. J. Nurmikko, et al. (2005). "Analgesic therapy in postherpetic neuralgia: a quantitative systematic review." *PLoS Med* **2**(7): e164.
- Hjorth, C. F., M. Norrman, et al. (2016). "Structure, aggregation, and activity of a covalent insulin dimer formed during storage of neutral formulation of human insulin." *Journal of pharmaceutical sciences* **105**(4): 1376-1386.
- Hofmann, H., P. Fietzek, et al. (1980). "Comparative analysis of the sequences of the three collagen chains α 1 (I), α 2 and α 1 (III): Functional and genetic aspects." *Journal of molecular biology* **141**(3): 293-314.

- Holm, N. K., S. K. Jespersen, et al. (2007). "Aggregation and fibrillation of bovine serum albumin." *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics* **1774**(9): 1128-1138.
- Holm, N. K., S. K. Jespersen, et al. (2007). "Aggregation and fibrillation of bovine serum albumin." *Biochim Biophys Acta* **1774**(9): 1128-1138.
- Hong, D.-P. and A. L. Fink (2005). "Independent heterologous fibrillation of insulin and its B-chain peptide." *Biochemistry* **44**(50): 16701-16709.
- Hulmes, D. J., A. Miller, et al. (1973). "Analysis of the primary structure of collagen for the origins of molecular packing." *Journal of molecular biology* **79**(1): 137-148.
- Humphreys, D. T., J. A. Carver, et al. (1999). "Clusterin has chaperone-like activity similar to that of small heat shock proteins." *Journal of Biological Chemistry* **274**(11): 6875-6881.
- Huus, K., S. Havelund, et al. (2005). "Thermal dissociation and unfolding of insulin." *Biochemistry* **44**(33): 11171-11177.
- Irie, Y. and W. M. Keung (2003). "Rhizoma acori graminei and its active principles protect PC-12 cells from the toxic effect of amyloid- β peptide." *Brain research* **963**(1): 282-289.
- Irwin, J. J. and B. K. Shoichet (2005). "ZINC-a free database of commercially available compounds for virtual screening." *Journal of chemical information and modeling* **45**(1): 177-182.
- Jayamani, J. and G. Shanmugam (2014). "Gallic acid, one of the components in many plant tissues, is a potential inhibitor for insulin amyloid fibril formation." *Eur J Med Chem* **85**: 352-358.
- Jokinen, J., E. Dadu, et al. (2004). "Integrin-mediated cell adhesion to type I collagen fibrils." *Journal of Biological Chemistry* **279**(30): 31956-31963.
- Kabuto, H., M. Tada, et al. (2007). "Eugenol [2-methoxy-4-(2-propenyl)phenol] prevents 6-hydroxydopamine-induced dopamine depression and lipid peroxidation inductivity in mouse striatum." *Biol Pharm Bull* **30**(3): 423-427.
- Kakuyama, H., L. Söderberg, et al. (2005). "CLAC binds to aggregated A β and A β fragments, and attenuates fibril elongation." *Biochemistry* **44**(47): 15602-15609.
- Kang, F. and J. Singh (2003). "Conformational stability of a model protein (bovine serum albumin) during primary emulsification process of PLGA microspheres synthesis." *International journal of pharmaceutics* **260**(1): 149-156.
- Kar, K., P. Amin, et al. (2006). "Self-association of collagen triple helix peptides into higher order structures." *Journal of Biological Chemistry* **281**(44): 33283-33290.
- Kar, K., I. Arduini, et al. (2014). "D-polyglutamine amyloid recruits L-polyglutamine monomers and kills cells." *J Mol Biol* **426**(4): 816-829.
- Kar, K. and N. Kishore (2007). "Enhancement of thermal stability and inhibition of protein aggregation by osmolytic effect of hydroxyproline." *Biopolymers* **87**(5-6): 339-351.
- Kar, K. and N. Kishore (2007). "Enhancement of thermal stability and inhibition of protein aggregation by osmolytic effect of hydroxyproline." *Biopolymers* **87**(5-6): 339-351.
- Kielty, C. M. and M. E. Grant (2003). "The collagen family: structure, assembly, and organization in the extracellular matrix." *Connective Tissue and Its Heritable Disorders: Molecular, Genetic, and Medical Aspects, Second Edition*: 159-221.
- Kiuchi, Y., Y. Isobe, et al. (2002). "Type IV collagen prevents amyloid β -protein fibril formation." *Life sciences* **70**(13): 1555-1564.
- Ko, F., M. Diaz, et al. (1998). "Toxic effects of capsaicin on keratinocytes and fibroblasts." *Journal of Burn Care & Research* **19**(5): 409-413.
- Kong, J. and S. Yu (2007). "Fourier transform infrared spectroscopic analysis of protein secondary structures." *Acta biochimica et biophysica Sinica* **39**(8): 549-559.
- Krebs, M. R., E. H. Bromley, et al. (2005). "The binding of thioflavin-T to amyloid fibrils: localisation and implications." *Journal of structural biology* **149**(1): 30-37.
- Krebs, M. R., L. A. Morozova-Roche, et al. (2004). "Observation of sequence specificity in the seeding of protein amyloid fibrils." *Protein Science* **13**(7): 1933-1938.

- Kuznetsova, N., S. Chi, et al. (1998). "Sugars and polyols inhibit fibrillogenesis of type I collagen by disrupting hydrogen-bonded water bridges between the helices." *Biochemistry* **37**(34): 11888-11895.
- Lafont, A., E. Durand, et al. (1999). "Endothelial dysfunction and collagen accumulation two independent factors for restenosis and constrictive remodeling after experimental angioplasty." *Circulation* **100**(10): 1109-1115.
- Lakowicz, J. R. and G. Weber (1973). "Quenching of fluorescence by oxygen. A probe for structural fluctuations in macromolecules." *Biochemistry* **12**(21): 4161-4170.
- Lauren, J., D. A. Gimbel, et al. (2009). "Cellular prion protein mediates impairment of synaptic plasticity by amyloid-beta oligomers." *Nature* **457**(7233): 1128-1132.
- Leikin, S., V. Parsegian, et al. (1997). "Raman spectral evidence for hydration forces between collagen triple helices." *Proceedings of the National Academy of Sciences* **94**(21): 11312-11317.
- Leikin, S., D. Rau, et al. (1995). "Temperature-favoured assembly of collagen is driven by hydrophilic not hydrophobic interactions." *Nature structural biology* **2**(3): 205-210.
- Li, R., Z. Wu, et al. (2016). "Role of pH-induced structural change in protein aggregation in foam fractionation of bovine serum albumin." *Biotechnology Reports* **9**: 46-52.
- Liang, Z.-h., X.-h. Cheng, et al. (2015). "Protective effects of components of the Chinese herb grassleaf sweetflag rhizome on PC12 cells incubated with amyloid-beta42." *Neural regeneration research* **10**(8): 1292.
- Lisi, G. P., C. Y. M. Png, et al. (2014). "Thermodynamic contributions to the stability of the insulin hexamer." *Biochemistry* **53**(22): 3576-3584.
- Litvinovich, S. V., S. A. Brew, et al. (1998). "Formation of amyloid-like fibrils by self-association of a partially unfolded fibronectin type III module." *J Mol Biol* **280**(2): 245-258.
- Liu, P., S. Zhang, et al. (2012). "Co-assembly of human islet amyloid polypeptide (hIAPP)/insulin." *Chem Commun (Camb)* **48**(2): 191-193.
- Lomakin, A., D. S. Chung, et al. (1996). "On the nucleation and growth of amyloid beta-protein fibrils: detection of nuclei and quantitation of rate constants." *Proceedings of the National Academy of Sciences* **93**(3): 1125-1129.
- Maji, S. K., M. H. Perrin, et al. (2009). "Functional amyloids as natural storage of peptide hormones in pituitary secretory granules." *Science* **325**(5938): 328-332.
- Margiolaki, I., A. E. Giannopoulou, et al. (2013). "High-resolution powder X-ray data reveal the T6 hexameric form of bovine insulin." *Acta Crystallographica Section D: Biological Crystallography* **69**(6): 978-990.
- Matsuura, J., M. E. Powers, et al. (1993). "Structure and stability of insulin dissolved in 1-octanol." *Journal of the American Chemical Society* **115**(4): 1261-1264.
- Mehta, A., J. R. Rao, et al. (2014). "Effect of ionic liquids on the different hierarchical order of type I collagen." *Colloids and Surfaces B: Biointerfaces* **117**: 376-382.
- Merlini, G. and V. Bellotti (2005). "Lysozyme: a paradigmatic molecule for the investigation of protein structure, function and misfolding." *Clinica chimica acta* **357**(2): 168-172.
- Mnafgui, K., R. Hajji, et al. (2015). "Anti-inflammatory, Antithrombotic and Cardiac Remodeling Preventive Effects of Eugenol in Isoproterenol-Induced Myocardial Infarction in Wistar Rat." *Cardiovascular toxicology*: 1-9.
- Morozova-Roche, L. A., J. Zurdo, et al. (2000). "Amyloid fibril formation and seeding by wild-type human lysozyme and its disease-related mutational variants." *Journal of structural biology* **130**(2): 339-351.
- Morozova-Roche, L. A., J. Zurdo, et al. (2000). "Amyloid fibril formation and seeding by wild-type human lysozyme and its disease-related mutational variants." *J Struct Biol* **130**(2-3): 339-351.
- Moss, R. J., A. R. Matri, et al. (1988). "The coexistence and differentiation of late onset Huntington's disease and Alzheimer's disease. A case report and review of the literature." *J Am Geriatr Soc* **36**(3): 237-241.

- Narimoto, T., K. Sakurai, et al. (2004). "Conformational stability of amyloid fibrils of β 2-microglobulin probed by guanidine-hydrochloride-induced unfolding." *FEBS letters* **576**(3): 313-319.
- Nelson, D. L., A. L. Lehninger, et al. (2008). *Lehninger principles of biochemistry*, Macmillan.
- Noble, R. L. (1990). "The discovery of the vinca alkaloids-chemotherapeutic agents against cancer." *Biochemistry and Cell Biology* **68**(12): 1344-1351.
- O'Dwyer, P. J., B. Leyland-Jones, et al. (1985). "Etoposide (VP-16-213) Current Status of an Active Anticancer Drug." *New England Journal of Medicine* **312**(11): 692-700.
- Pan, C. and Z. Dong (2015). "Antiasthmatic effects of eugenol in a mouse model of allergic asthma by regulation of Vitamin D3 Upregulated Protein 1/NF- κ B Pathway." *Inflammation* **38**(4): 1385-1393.
- Parmar, A. S., A. M. Nunes, et al. (2012). "A peptide study of the relationship between the collagen triple-helix and amyloid." *Biopolymers* **97**(10): 795-806.
- Pechlaner, M. and C. Oostenbrink (2015). "Multiple Binding Poses in the Hydrophobic Cavity of Bee Odorant Binding Protein AmelOBP14." *J Chem Inf Model* **55**(12): 2633-2643.
- Pepys, M., P. Hawkins, et al. (1993). "Human lysozyme gene mutations cause hereditary systemic amyloidosis." *Nature* **362**(6420): 553-557.
- Plenz, G. A., M. C. Deng, et al. (2003). "Vascular collagens: spotlight on the role of type VIII collagen in atherogenesis." *Atherosclerosis* **166**(1): 1-11.
- Prado, C. M., G. Da Rocha, et al. (2011). "Inactivation of capsaicin-sensitive nerves reduces pulmonary remodeling in guinea pigs with chronic allergic pulmonary inflammation." *Brazilian Journal of Medical and Biological Research* **44**(2): 130-139.
- Pramod, K., S. H. Ansari, et al. (2010). "Eugenol: a natural compound with versatile pharmacological actions." *Natural Product Communications* **5**(12): 1999-2006.
- Prince, M., A. Wimo, et al. (2015). *World Alzheimer Report 2015. The global impact of dementia. An analysis of prevalence, incidence, cost & trends; Alzheimer's Disease International: London.*
- Ramachandran, G. and G. Kartha (1955). "Structure of collagen." *Nature* **176**(4482): 593-595.
- Rich, A. and F. Crick (1961). "The molecular structure of collagen." *Journal of molecular biology* **3**(5): 483IN481-506IN484.
- Ryan, J. N. and J. F. Woessner (1971). "Mammalian collagenase: direct demonstration in homogenates of involuting rat uterus." *Biochemical and biophysical research communications* **44**(1): 144-149.
- Sarzehi, S. and J. Chamani (2010). "Investigation on the interaction between tamoxifen and human holo-transferrin: determination of the binding mechanism by fluorescence quenching, resonance light scattering and circular dichroism methods." *Int J Biol Macromol* **47**(4): 558-569.
- Sathya Devi, V., O. O. Chidi, et al. (2009). "Dominant effect of ethanol in thermal destabilization of bovine serum albumin in the presence of sucrose." *Journal of Spectroscopy* **23**(5-6): 265-270.
- Schmittschmitt, J. P. and J. M. Scholtz (2003). "The role of protein stability, solubility, and net charge in amyloid fibril formation." *Protein Science* **12**(10): 2374-2378.
- Selvakannan, P., R. Ramanathan, et al. (2013). "Probing the effect of charge transfer enhancement in off resonance mode SERS via conjugation of the probe dye between silver nanoparticles and metal substrates." *Physical chemistry chemical physics* **15**(31): 12920-12929.
- Selvakannan, P. R., R.; Plowman, B. J.; Sabri, Y. M.; Daima, H. K.; O'Mullane, A. P.; Bansal, V.; Bhargava, S. K. (2013). "Probing the effect of charge transfer enhancement in off resonance mode SERS via conjugation of the probe dye between silver nanoparticles and metal substrates." *Physical chemistry chemical physics* **15**: 12920-12929.
- Shammas, S. L., C. A. Waudby, et al. (2011). "Binding of the molecular chaperone α B-crystallin to A β amyloid fibrils inhibits fibril elongation." *Biophysical journal* **101**(7): 1681-1689.

- Shih, P. and J. F. Kirsch (1995). "Design and structural analysis of an engineered thermostable chicken lysozyme." *Protein Science* **4**(10): 2063-2072.
- Sipe, J. D. (2005). "Amyloid proteins: the beta sheet conformation and disease."
- Siposova, K., M. Kubovcikova, et al. (2012). "Depolymerization of insulin amyloid fibrils by albumin-modified magnetic fluid." *Nanotechnology* **23**(5): 055101.
- Skovronsky, D. M., V. M.-Y. Lee, et al. (2006). "Neurodegenerative diseases: new concepts of pathogenesis and their therapeutic implications." *Annu. Rev. Pathol. Mech. Dis.* **1**: 151-170.
- Smith, G., W. Duax, et al. (1982). "The structure of Des-Phe B1 bovine insulin." *Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry* **38**(12): 3028-3032.
- Smith, G. D., W. A. Pangborn, et al. (2005). "The structure of T6 bovine insulin." *Acta Crystallographica Section D: Biological Crystallography* **61**(11): 1476-1482.
- Soldi, G., G. Plakoutsi, et al. (2006). "Stabilization of a native protein mediated by ligand binding inhibits amyloid formation independently of the aggregation pathway." *J Med Chem* **49**(20): 6057-6064.
- Soto, C. (2003). "Unfolding the role of protein misfolding in neurodegenerative diseases." *Nature Reviews Neuroscience* **4**(1): 49-60.
- Stephan, S., M. J. Sherratt, et al. (2004). "Expression and supramolecular assembly of recombinant $\alpha 1$ (VIII) and $\alpha 2$ (VIII) collagen homotrimers." *Journal of Biological Chemistry* **279**(20): 21469-21477.
- Sun, Y., H. Zhang, et al. (2011). "Studies on the arctiin and its interaction with DNA by spectral methods." *Journal of Luminescence* **131**: 8.
- Swaminathan, R., V. K. Ravi, et al. (2011). "Lysozyme: a model protein for amyloid research." *Adv Protein Chem Struct Biol* **84**(1): 63-111.
- Tada, M., E. A. Coon, et al. (2012). "Coexistence of Huntington's disease and amyotrophic lateral sclerosis: a clinicopathologic study." *Acta Neuropathol* **124**(5): 749-760.
- Takei, Y., K. Oguchi, et al. (2013). "alpha-Synuclein coaggregation in familial amyotrophic lateral sclerosis with SOD1 gene mutation." *Hum Pathol* **44**(6): 1171-1176.
- Tandan, R., G. A. Lewis, et al. (1992). "Topical capsaicin in painful diabetic neuropathy: controlled study with long-term follow-up." *Diabetes care* **15**(1): 8-14.
- Tartaglia, G. G., A. Cavalli, et al. (2004). "The role of aromaticity, exposed surface, and dipole moment in determining protein aggregation rates." *Protein Science* **13**(7): 1939-1941.
- Tartaglia, G. G., A. P. Pawar, et al. (2008). "Prediction of aggregation-prone regions in structured proteins." *Journal of molecular biology* **380**(2): 425-436.
- Tyedmers, J., A. Mogk, et al. (2010). "Cellular strategies for controlling protein aggregation." *Nature reviews Molecular cell biology* **11**(11): 777-788.
- Varman, R. M. and S. Singh (2012). "Investigation of effects of terpene skin penetration enhancers on stability and biological activity of lysozyme." *AAPS PharmSciTech* **13**(4): 1084-1090.
- Wetzel, R. (2006). "Nucleation of huntingtin aggregation in cells." *Nature chemical biology* **2**(6): 297-298.
- Whitmore, L. and B. A. Wallace (2008). "Protein secondary structure analyses from circular dichroism spectroscopy: methods and reference databases." *Biopolymers* **89**(5): 392-400.
- Woessner, J. F. (1961). "The determination of hydroxyproline in tissue and protein samples containing small proportions of this imino acid." *Archives of biochemistry and biophysics* **93**(2): 440-447.
- Wright, C. F., S. A. Teichmann, et al. (2005). "The importance of sequence diversity in the aggregation and evolution of proteins." *Nature* **438**(7069): 878-881.
- Wu, G., D. H. Robertson, et al. (2003). "Detailed analysis of grid-based molecular docking: A case study of CDOCKER-A CHARMM-based MD docking algorithm." *J Comput Chem* **24**(13): 1549-1562.

- Xue, W.-F., S. W. Homans, et al. (2008). "Systematic analysis of nucleation-dependent polymerization reveals new insights into the mechanism of amyloid self-assembly." *Proceedings of the National Academy of Sciences* **105**(26): 8926-8931.
- Yao, Z., W. Namkung, et al. (2012). "Fractionation of a herbal antidiarrheal medicine reveals eugenol as an inhibitor of Ca²⁺-activated Cl⁻ channel TMEM16A." *PloS one* **7**(5): e38030.
- Yurchenco, P. D. and G. Ruben (1988). "Type IV collagen lateral associations in the EHS tumor matrix. Comparison with amniotic and in vitro networks." *The American journal of pathology* **132**(2): 278.
- Yurchenco, P. D. and G. C. Ruben (1987). "Basement membrane structure in situ: evidence for lateral associations in the type IV collagen network." *The Journal of cell biology* **105**(6): 2559-2568.
- Yurchenco, P. D. and J. C. Schittny (1990). "Molecular architecture of basement membranes." *The FASEB Journal* **4**(6): 1577-1590.
- Zerovnik, E. (2002). "Amyloid-fibril formation." *Eur. J. Biochem* **269**: 3362-3371.
- Zhang, Z. and D. L. Smith (1993). "Determination of amide hydrogen exchange by mass spectrometry: a new tool for protein structure elucidation." *Protein Science* **2**(4): 522-531.

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