# Zhefeng Guo

List of Publications by Year
in descending order



| 31 papers | 1,567 citations | 516710 16 h-index | 434195 31 g-index |
|---|---|---|---|
| 31 all docs | 31 docs citations | 31 times ranked | 2199 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Thioflavin T as an amyloid dye: fibril quantification, optimal concentration and effect on aggregation. Royal Society Open Science, 2017, 4, 160696. | 2.4 | 475 |
| 2 | Alzheimer's Aî²42 and Aî²40 peptides form interlaced amyloid fibrils. Journal of Neurochemistry, 2013, 126, 305-311. | 3.9 | 175 |
| 3 | Structural determinants of nitroxide motion in spinâ€labeled proteins: Solventâ€exposed sites in helix B of T4 lysozyme. Protein Science, 2008, 17, 228-239. | 7.6 | 111 |
| 4 | Structural determinants of nitroxide motion in spin-labeled proteins: Tertiary contact and solvent-inaccessible sites in helix G of T4 lysozyme. Protein Science, 2007, 16, 1069-1086. | 7.6 | 101 |
| 5 | Osmolyte perturbation reveals conformational equilibria in spinâ€labeled proteins. Protein Science, 2009, 18, 1637-1652. | 7.6 | 99 |
| 6 | Runaway domain swapping in amyloid-like fibrils of T7 endonuclease I. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8042-8047. | 7.1 | 88 |
| 7 | Structural Insights into Aî²42 Oligomers Using Site-directed Spin Labeling. Journal of Biological Chemistry, 2013, 288, 18673-18683. | 3.4 | 70 |
| 8 | Antiparallel Triple-strand Architecture for Prefibrillar Aî²42 Oligomers. Journal of Biological Chemistry, 2014, 289, 27300-27313. | 3.4 | 60 |
| 9 | A new structural model of Alzheimerâ€™s Aî²42 fibrils based on electron paramagnetic resonance data and Rosetta modeling. Journal of Structural Biology, 2016, 194, 61-67. | 2.8 | 50 |
| 10 | Crossâ€seeding between Aî²40 and Aî²42 in Alzheimer's disease. FEBS Letters, 2017, 591, 177-185. | 2.8 | 42 |
| 11 | Structural origin of polymorphism of Alzheimer's amyloid î²-fibrils. Biochemical Journal, 2012, 447, 43-50. | 3.7 | 31 |
| 12 | Hierarchical Organization in the Amyloid Core of Yeast Prion Protein Ure2. Journal of Biological Chemistry, 2011, 286, 29691-29699. | 3.4 | 29 |
| 13 | Key residues for the oligomerization of Aî²42 protein in Alzheimerâ€™s disease. Biochemical and Biophysical Research Communications, 2011, 414, 512-516. | 2.1 | 28 |
| 14 | Key Residues for the Formation of Aî²42 Amyloid Fibrils. ACS Omega, 2018, 3, 8401-8407. | 3.5 | 26 |
| 15 | The structure of a fibrilâ€forming sequence, NNQQNY, in the context of a globular fold. Protein Science, 2008, 17, 1617-1623. | 7.6 | 20 |
| 16 | Quantitative analysis of spin exchange interactions to identify î² strand and turn regions in Ure2 prion domain fibrils with site-directed spin labeling. Journal of Structural Biology, 2012, 180, 374-381. | 2.8 | 17 |
| 17 | Aî²42 fibril formation from predominantly oligomeric samples suggests a link between oligomer heterogeneity and fibril polymorphism. Royal Society Open Science, 2019, 6, 190179. | 2.4 | 17 |
| 18 | Alzheimerâ€™s Aî²42 and Aî²40 form mixed oligomers with direct molecular interactions. Biochemical and Biophysical Research Communications, 2021, 534, 292-296. | 2.1 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Solid-support Electron Paramagnetic Resonance (EPR) Studies of AÎ²40 Monomers Reveal a Structured State with Three Ordered Segments. Journal of Biological Chemistry, 2012, 287, 9081-9089. | 3.4 | 15 |
| 20 | Polymorphic AÎ²42 fibrils adopt similar secondary structure but differ in cross-strand side chain stacking interactions within the same Î²-sheet. Scientific Reports, 2020, 10, 5720. | 3.3 | 13 |
| 21 | A mix-and-click method to measure amyloid-Î² concentration with sub-micromolar sensitivity. Royal Society Open Science, 2017, 4, 170325. | 2.4 | 11 |
| 22 | Site-specific structural order in Alzheimer's AÎ²42 fibrils. Royal Society Open Science, 2018, 5, 180166. | 2.4 | 11 |
| 23 | Prion Domain of Yeast Ure2 Protein Adopts a Completely Disordered Structure: A Solid-Support EPR Study. PLoS ONE, 2012, 7, e47248. | 2.5 | 11 |
| 24 | Distinguishing the Effect on the Rate and Yield of AÎ²42 Aggregation by Green Tea Polyphenol EGCG. ACS Omega, 2020, 5, 21497-21505. | 3.5 | 10 |
| 25 | Spin Label Scanning Reveals Likely Locations of Î²-Strands in the Amyloid Fibrils of the Ure2 Prion Domain. ACS Omega, 2020, 5, 5984-5993. | 3.5 | 10 |
| 26 | Lipid membranes induce structural conversion from amyloid oligomers to fibrils. Biochemical and Biophysical Research Communications, 2021, 557, 122-126. | 2.1 | 8 |
| 27 | The Mechanism of the Amyloidogenic Conversion of T7 Endonuclease I. Journal of Biological Chemistry, 2007, 282, 14968-14974. | 3.4 | 7 |
| 28 | Amyloid hypothesis through the lens of AÎ² supersaturation. Neural Regeneration Research, 2021, 16, 1562. | 3.0 | 7 |
| 29 | Segmental structural dynamics in AÎ²42 globulomers. Biochemical and Biophysical Research Communications, 2021, 545, 119-124. | 2.1 | 6 |
| 30 | Effect of spin labelling on the aggregation kinetics of yeast prion protein Ure2. Royal Society Open Science, 2021, 8, 201747. | 2.4 | 1 |
| 31 | Static and dynamic disorder in AÎ²40 fibrils. Biochemical and Biophysical Research Communications, 2022, 610, 107-112. | 2.1 | 1 |