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Publications

Journals

- Zohoorian-Abootorabi, T., Meratan, A. A., Jafarkhani, S., Muronetz, V., Haertlé, T., & Saboury, A. A. , "Modulation of cytotoxic amyloid fibrillation and mitochondrial damage of α -synuclein by catechols mediated conformational changes", Scientific Reports, 2023
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- Pirhaghi, M., Najarzadeh, Z., Moosavi-Movahedi, F., Shafizadeh, M., Mamashli, F., Atarod, D., ... & Saboury, A. A., "The anti-platelet drug ticlopidine inhibits FapC fibrillation and biofilm production: Highlighting its antibiotic activity", Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics, 2023
- Sohrabi, T., Mirzaei-Behbahani, B., Zadali, R., Pirhaghi, M., Morozova-Roche, L. A., & Meratan, A. A. , "Common Mechanisms Underlying α -Synuclein-Induced Mitochondrial Dysfunction in Parkinson's Disease.", Journal of Molecular Biology, 2023
- Rafiei, Y., Salmani, B., Mirzaei-Behbahani, B., Taleb, M., Meratan, A. A., Ramezani, M., ... & Rezaei-Ghaleh, N. ,



"Polyphenols-Based Nanosheets of Propolis Modulate Cytotoxic Amyloid Fibril Assembly of α -Synuclein", ACS Chemical Neuroscience, 2022

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- Ramezani, M., Hesami, M. D., Rafiei, Y., Ghareghozloo, E. R., Meratan, A. A., & Nikfarjam, N., "Efficient amyloid fibrillation inhibition and remodeling of preformed fibrils of bovine insulin by propolis polyphenols-based nanosheets.", ACS Applied Bio Materials, 2021
- Shahbazi, E., Jamei, S., Meratan, A. A., & Pour Mohammadi, P., "Effect of salt stress on some physio-biochemical traits and antioxidative enzymes of two Brassica species under callus culture", Plant Cell, Tissue and Organ Culture, 2021
- Dehghani, Z., Meratan, A. A., Saboury, A. A., & Nemat-Gorgani, M., " α -Synuclein fibrillation products trigger the release of hexokinase I from mitochondria: Protection by curcumin, and possible role in pathogenesis of Parkinson's disease", Biochimica et Biophysica Acta (BBA)-Biomembranes, 2020
- Rostampour Ghareghozloo, E., Mahdavimehr, M., Meratan, A. A., Nikfarjam, N., Ghasemi, A., Katebi, B., & Nemat-Gorgani, M., "Role of surface oxygen-containing functional groups of graphene oxide quantum dots on amyloid fibrillation of two model proteins", PLOS ONE, 2020
- Zadali, R., Ghareghozloo, E. R., Ramezani, M., Hassani, V.,



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- Meratan, A. A., Ghaffari, S. M., & Niknam, V., "In vitro organogenesis and antioxidant enzymes activity in *Acanthophyllum sordidum*.", Biologia plantarum, 2009
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