



# Hamid Hadi-Alijanvand

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## Publications

### Journals

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- Hamid Hadi-Alijanvand and Luisa Di Paola and Guang Hu and David M. Leitner and Gennady M. Verkhivker and Peixin Sun and Humanath Poudel and Alessandro Giuliani, "Biophysical Insight into the SARS-CoV2 Spike-ACE2 Interaction and Its Modulation by Hepcidin through a Multifaceted Computational Approach", ACS Omega, 2022, doi: [10.1021/acsomega.2c00154](https://doi.org/10.1021/acsomega.2c00154)
- Maryam Rouhani and Hamid Hadi-Alijanvand, " Effect of Lithium Drug on Binding Affinities of Glycogen Synthase Kinase-3  $\beta$  to Its Network Partners: A New Computational Approach", Journal of Chemical Information and Modeling, 2021, doi: [10.1021/acs.jcim.1c00952](https://doi.org/10.1021/acs.jcim.1c00952)
- Hamid Hadi-Alijanvand and Maryam Rouhani, " Studying the Effects of ACE2 Mutations on the Stability, Dynamics, and Dissociation Process of SARS-CoV-2 S1/hACE2 Complexes", Journal of Proteome Research, Vol. 19, NO. 11, 2020, doi: [10.1021/acs.jproteome.0c00348](https://doi.org/10.1021/acs.jproteome.0c00348)
- Luisa Di Paola and Hamid Hadi-Alijanvand and Xingyu Song and Guang Hu and Alessandro Giuliani, "The Discovery of a Putative Allosteric Site in the SARS-CoV-2 Spike Protein Using an Integrated Structural/Dynamic Approach", Journal of Proteome Research, Vol. 19, NO. 11, 2020, doi: [10.1021/acs.jproteome.0c00273](https://doi.org/10.1021/acs.jproteome.0c00273)



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- Hamid Hadi-Alijanvand and Elizabeth A. Proctor and Feng Ding and Nikolay V. Dokholyan and Ali A. Moosavi-Movahedi, "A hidden aggregation-prone structure in the heart of hypoxia inducible factor prolyl hydroxylase", Proteins: Structure, Function, and Bioinformatics, Vol. 84, NO. 5, mar, 2016, doi: [10.1002/prot.25011](https://doi.org/10.1002/prot.25011)
- Hamid Hadi-Alijanvand and Maryam Rouhani, "Journey of Poly-Nucleotides through {OmpF} Porin", The Journal of Physical Chemistry B, Vol. 119, NO. 20, may, 2015, doi: [10.1021/acs.jpccb.5b00763](https://doi.org/10.1021/acs.jpccb.5b00763)
- E. Kachooei and A. A. Moosavi-Movahedi and F. Khodagholi and F. Mozaffarian and P. Sadeghi and H. Hadi-Alijanvand and A. Ghasemi and A. A. Saboury and M. Farhadi and N. Sheibani, "Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel", Journal of Biochemistry, Vol. 155, NO. 6, feb, 2014, doi: [10.1093/jb/mvu012](https://doi.org/10.1093/jb/mvu012)
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- Niloufar Ansari and Hamid Hadi-Alijanvand and Marjan Sabbaghian and Mahmoud Kiaei and Fariba Khodagholi, "Interaction of 2-APB, dantrolene, and TDMT with IP<sub>3</sub>R and RyR modulates ER stress-induced programmed cell death I and II in neuron-like PC<sub>12</sub> cells: an experimental and computational investigation", *Journal of Biomolecular Structure and Dynamics*, Vol. 32, NO. 8, jul, 2013, doi: [10.1080/07391102.2013.812520](https://doi.org/10.1080/07391102.2013.812520)
- Hamid Hadi-Alijanvand and Ali A. Moosavi-Movahedi and Bahram Goliaei, "Unfolding mechanism of PHD<sub>2</sub> as a vital protein: all-atom simulation approach", *Journal of the Iranian Chemical Society*, Vol. 10, NO. 5, feb, 2013, doi: [10.1007/s13738-013-0227-3](https://doi.org/10.1007/s13738-013-0227-3)
- Hamid Hadi-Alijanvand and Elizabeth A. Proctor and Bahram Goliaei and Nikolay V. Dokholyan and Ali A. Moosavi-Movahedi, "Thermal Unfolding Pathway of PHD<sub>2</sub> Catalytic Domain in Three Different PHD<sub>2</sub> Species: Computational Approaches", *PLoS ONE*, Vol. 7, NO. 10, oct, 2012, doi: [10.1371/journal.pone.0047061](https://doi.org/10.1371/journal.pone.0047061)
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- Hamid Hadi-Alijanvand, H. Galedari, A. Fouroghmand, and A. Ebrahimpour, "Does cis-Element Absorb trans-Element by EMFs?", *Molecular & Cellular Proteomics*, Vol. 2, NO. 9, 2003, doi: [10.1016/s1535-9476\(20\)34800-3](https://doi.org/10.1016/s1535-9476(20)34800-3)