



宓东

教授

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#### 教育背景

中国科学技术大学理学博士（1997）  
大连理工大学理学硕士（1993）  
山东师范大学理学学士（1989）

#### 研究领域

1. 量子理论中的基本问题
2. 辐射生物学效应的机制
3. 蛋白质的折叠机制

#### 代表性成果

##### 学术论文:

(1) 载人深空探索中空间辐射风险评估所面临的问题和挑战, 科学通报, 赵磊, 宓东\*, 孙野青\*, 63, 1523, 2018. (EI)

(2) A novel multitarget model of radiation-induced cell killing based on the Gaussian distribution, *Journal of Theoretical Biology*, Lei Zhao, Dong Mi\*, Yeqing Sun\*, 420, 135-143, 2017. (SCI)

(3) Radiosensitivity and relative biological effectiveness based on a generalized target model, *Journal of Radiation Research*, Lei Zhao, Di Wu, Dong Mi\*, Yeqing Sun\*, 58(1), 8-16, 2017. (SCI)

(4) Mining potential biomarkers associated with space flight in *Caenorhabditis elegans* experienced Shenzhou-8 mission with multiple feature selection techniques, *Mutation Research / Fundamental*

*and Molecular Mechanisms of Mutagenesis*, Lei Zhao, Ying Gao, Dong Mi\*, Yeqing Sun\*, 791, 27-34, 2016. (SCI)

(5) A generalized target theory and its applications, *Scientific Reports*, Lei Zhao, Dong Mi\*, Bei Hu, Yeqing Sun\*, 5, 14568,

2015. ( SCI )

(6) Ecological risk assessment and sources of heavy metals in sediment from Daling River basin, *Environmental Science and Pollution Research*, Lei Zhao, Dong Mi\*, Yifu Chen, Yeqing Sun\*, 22(8): 5975-5984, 2015. ( SCI )

(7) Kinetics of stereoselective enrichment of Dechlorane Plus in *Ulva*

*Pertusa*, *Chemosphere*, Lei Zhao, Ning Gong, Dong Mi\*, Yeqing Sun\*, 111, 580-586, 2014. ( SCI )

(8) Unifying model for two-state and downhill protein folding, Dong Mi\*, Wenqian Meng, Yeqing Sun, *Physical Review E*, 83, 041901, 2011. ( SCI )

(9) There exist different proposals for relativistic temperature transformation: The whys and wherefores *Modern Physics Letter A*, Dong Mi\*, Haiyang Zhong, Dianmin Tong, 24, 77, 2009. ( SCI )

(10) Relationships between the folding rate constant and the topological parameters of small two-state proteins based on general random walk model, Dong Mi\*, Guirong Liu, Jiangsheng Wang, Zirui Li, , *Journal of Theoretical Biology*, 241, 152, 2006. ( SCI )

