



[教师介绍首页](#)

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[English Version](#)

[内容管理](#)

[基本信息](#)

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个人主页：

主要学习、科研工作经历

郑雨军教授，1999年获物理化学博士学位。

1999年至 2001年在以色列希伯莱大学 (The Hebrew University of Jerusalem, Israel) 和魏兹曼科学院 (Weizmann Institute of Science, Israel), 进行分子的代数理论及动力学对称性, 量子Monte Carlo及新量子过渡态理论的研究。

2001年至2005年在美国加州大学欧文分校(University of California, Irvine)和圣巴巴拉分校(University of California, Santa Barbara)从事缠绕轨线分子力学和单分子理论及酶动力学方面的研究。

目前主要从事单分子理论, 分子的代数理论和分子缠绕轨线力学方面的理论研究。

主要在研项目

1. 单分子系统光子统计的产生函数理论 (10674083)
2. 用动力学代数理论研究分子的动力学纠缠和混沌 (10874102)
3. 单原子/单分子尺度的精确量子表征、检测及其在量子调控中的应用 (2009 CB929404)

近期学术论文

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2. Craig C Martens, A. Donoso and Yujun Zheng, Quantum Trajectories in Phase Space, CCP6 booklets
3. Yujun Zheng, Single molecule kinetics under stochastic gating, J. Chem. Phys. 129, 246102 (2008).
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8. Hailan Feng, Yan Liu, Yujun Zheng, Shiliang Ding, Weiyi Ren,
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model ,
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11. G. Bel, Yujun Zheng, Frank Brown,
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12. Yujun Zheng,
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13. Yujun Zheng,
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14. Yujun Zheng, Frank Brown,
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15. Yujun Zheng, Frank Brown,
Single molecule photon emission statistics for non-Markovian blinking,
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16. Yujun Zheng, Frank Brown,
Photon emission from driven single molecule,
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17. Yujun Zheng, Frank Brown,
Single molecule photon counting statistics via generalized optical Bloch
equation,
Phys. Rev. Lett. 90, 238305 (2003)
18. A. Donoso, Yujun Zheng, C.C. Martens,
Simulation of Quantum process using Entangled trajectory molecular dynamics,
J. Chem. Phys. 119, 5010 (2003)

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