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魏宁

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魏宁副教授简介



1.基本情况

魏宁, 男, 河北辛集人, 博士, 副教授, 硕导。2012年博士毕业于厦门大学, 2012年1月至2012年7月德国包豪斯大学访问学者。2012年-2014年清华大学工程力学系博士后。

2.主讲课程

理论力学; 结构力学; 细观力学

3.主要研究方向

- 1.微纳米力学: 主要探究宏观材料力热性质的微观机理
- 2.非平衡态动力学: 材料的热耗散和界面热耗散性能的研究
- 3.多尺度断裂: 多尺度场间断裂和作用力的耦合研究

4.科研项目

- 1.西北农林科技大学引进人才启动经费, 主持
- 2.中国博士后科学基金一等自助(54批), 主持

5. 发表文章(21篇SCI论文, *为通讯作者)

- [1] Wei N, Xu L, Wang H Q, et al. Strain engineering of thermal conductivity in graphene sheets and nanoribbons: a demonstration of magic flexibility[J]. **Nanotechnology**, 2011, 22(10): 105705.(IF = 3.842)
- [2] Wei N, Fan Z, Xu L Q, et al. Knitted graphene-nanoribbon sheet: a mechanically robust structure[J].**Nanoscale**, 2012, 4(3): 785-791. (IF = 6.7)
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- [4] Wei N, et al. Properties of Zr hypernuclei in deformed Skyrme Hartree—Fock approach[J]. **Chinese Physics C**, 2009, 33(S1): 116.(IF = 0.338)
- [5] Wei N, et al. Breakdown of fast water transport in graphene oxides [J]. **Physical Review E**, 2013, 89, 012113. (IF = 2.313)
- [6] Wei N, et al. Mechanotunable monatomic metal structures at graphene edges[J]. **Physical Chemistry Chemical Physics**, 2014, 16,10295 (IF = 3.829)
- [7] Wei N, et al. Understanding Water Permeation in Graphene Oxide Membranes [J].**Applied Materials & Interfaces**, 2014, 6,5877 (IF = 5.90)
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- [10] Zhang Y, Wei N*, et al. Quasi-analytical solution for the stable system of the multi-layer folded graphene wrinkles, **Journal of Applied Physics**, 2013, 114(6): 063511-063511-8. (IF = 2.21)
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- [14] Xu L, Wei N, Zheng Y, et al. Graphene-nanotube 3D networks: intriguing thermal and mechanical properties[J]. **Journal of Materials Chemistry**, 2012, 22(4): 1435-1444.(IF = 5.97)
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- [17] Zhang Y, Zhao J, Wei N, et al. Effects of the dispersion of polymer wrapped two neighbouring single walled carbon nanotubes (SWNTs) on nanoengineering load transfer[J]. *Composites Part B: Engineering*, 2012.(2.143)
- [18] Zhao J, Jiang J W, Wei N, et al. Thermal conductivity dependence on chain length in amorphous polymers[J]. **Journal of Applied Physics**, 2013, 113(18): 184304-184304-4.(IF = 2.21)
- [19] Zheng Y, Xu L, Fan Z, Wei N, et al. Mechanical Properties of Graphene Nanobuds: A Molecular Dynamics Study [J]. **Current Nanoscience**, 2012, 8(1): 89-96.
- [20] Zheng Y, Xu L, Fan Z, Wei N, et al. A molecular dynamics investigation of the mechanical properties of graphene nanochains[J]. **Journal of Materials Chemistry**, 2012, 22(19): 9798-9805.(IF = 5.97)

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6.研究生招生

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7.研究室位置

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8.联系方式

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