

				
	hukunhong@163.com; chemhu@hfuu.edu.cn			
	1975 11 2013 2015 2015 2017 <i>Tribology</i> <i>International Chemical Engineering Journal</i> <i>ACS Applied Materials & Interfaces</i> ; <i>Materials Today</i> <i>Applied Surface Science</i> <i>Catalysis Communications</i> ; <i>Nanoscale Applied Catalysis A</i> <i>Industrial & Engineering Chemistry Research</i> <i>Journal of Materials Science</i> <i>Nano-Micro Letters</i> <i>Dalton Transactions</i> <i>ACS Applied Nano Materials</i> <i>Materials Chemistry and Physics</i>			
	[1] ____ 2014.1-2017.12 51375139. [2] ____ 2015.07-2019.3 1508085J10. [3] ____ 2018.07-2021.06. KJ2018ZD053. [4] ____ 2014.07-2015.06. [5] ____ 2015.12-2017.12 [6] ____ 2016.9-2018.12 [7] ____ 2016.9-2018.12			

代表性学术论文 (*为通讯作者)

- [1] Ziyan Lu, Zhenzhen Cao, Enzhu Hu, **Kunhong Hu***, Xianguo Hu. Preparation and tribological properties of WS₂ and WS₂/TiO₂ nanoparticles. *Tribology International*, 2019, 130: 308-316.
- [2] Yueru Liu, **Kunhong Hu***, Enzhu Hu, Jianhua Guo, Chengliang Han, Xianguo Hu, Double hollow MoS₂ nano-spheres: Synthesis, tribological properties, and functional conversion from lubrication to photocatalysis. *Applied Surface Science*, 2017, 392, 1144-1152.
- [3] Yong Xu, Enzhu Hu, **Kunhong Hu***, Yufu Xu, Xianguo Hu. Formation of an adsorption film of MoS₂ nanoparticles and dioctyl sebacate on a steel surface for alleviating friction and wear. *Tribology International*, 2015, 92: 172-183.
- [4] Z. Y. Xu, **K. H. Hu***, Y. K. Cai, F. Huang, C. L. Han. Tribological properties of molybdenum disulphide nanoparticles in soybean oil, *Tribology-Materials, Surfaces & Interfaces*, 2014, 8(4):179-186.
- [5] , S.Schraube, , , R.Stengler. , 2010, 30(1), 38-45.
- [6] **K. H. Hu**, J. Wang, S. Schraube, Y. F. Xu, X. G. Hu, R. Stengler. Tribological properties of MoS₂ nano-balls as filler in plastic layer of three-layer self-lubrication bearing materials, *Wear*, 2009, 266 (11-12): 1198-1207.
- [7] **K. H. Hu**, M. Liu, Q. J. Wang, Y. F. Xu, S. Schraube, X. G. Hu, Tribological properties of molybdenum disulfide nanosheets by monolayer restacking process as additive in liquid paraffin, *Tribology International*, 2009, 42(1): 33-39.
- [8] **K. H. Hu**, X. G. Hu, Formation, exfoliation and restacking of MoS₂ nanostructures, *Materials Science and Technology*, 2009, 25 (3), 407-414.
- [9] **K. H. Hu**, Y. R. Wang, X. G. Hu, and H. Z. Wo, Preparation and Characterisation of Ball-like MoS₂ Nano particles, *Materials Science and Technology*, 2007, 23(2):242-246.
- [10] **K. H. Hu**, Y. K. Cai, X. G. Hu, Y. F. Xu, Synthesis and tribological properties of MoS₂ composite nanoparticles with different morphologies,

- [16] E.Z. Hu, Y.Xu, **K.H. Hu***, X.G. Hu. Tribological properties of 3 types of MoS₂ additives in different base greases. *Lubrication Science*, 2017;29:541 555.
- [17] 2015 35(2): 167-175.
- [18] Lei Wang, Bin Shi, Enzhu Hu, **Kunhong Hu***, Xianguo Hu. Reuse of spent bleaching clay for supporting MoS₂ nanoparticles as a lubricating filler in ABS plastics. *Tribology International*, 2019, 131: 415-423.
- [19] Lehua Cheng, Enzhu Hu, Xianquan Chao, Renfa Zhu, **Kunhong Hu***, Xianguo Hu. MoS₂/montmorillonite nanocomposite: Preparation, tribological properties, and inner synergistic lubrication. 2018, Nano, 13,(12):1850144
- [20] **K. H. Hu***, Y. Xu, E. Z. Hu, J. H. Guo, X. G. Hu. Rolling friction performance and functional conversion from lubrication to photo catalysis of hollow spherical nano-MoS₂/nano-TiO₂, *Tribology International*, 2016, 104: 131 139.
- [21] Z. Y. Xu, Y. Xu, **K. H. Hu***, Y. F. Xu, X. G. Hu. Formation and tribological properties of hollow sphere-like nano-MoS₂ precipitated in TiO₂ particles. *Tribology International*, 2015, 81: 139 148.
- [22] **K. H. Hu**, F. Huang, X. G. Hu, Y. F. Xu, Y, Q, Zhou. Synergistic effect of nano-MoS₂ and anatase nano-TiO₂ on the lubrication properties of MoS₂/TiO₂ nano-clusters, *Tribology Letters*, 2011, 43: 77 87.
- [23] Bin Shi, Jian Hua Guo, Xing An Cao, En Zhu Hu, **Kun Hong Hu***. Effects of carbon soot from the combustion of diesel fuels on the tribological properties of lubricating oil and diesel fuels, *Industrial Lubrication and Tribology*, 2018, 70(3): 532-537.
- [24] X. A. Cao, G. Q. Shao, **K. H. Hu***. Tribological modification of high-density polyethylene by using carbon soot from diesel combustion, *Industrial Lubrication and Tribology*, 2016, 68(5): 603 610.
- [25] **K.H. Hu**, Z. Liu, F. Huang, X. G. Hu, **C. L. Han**, Synthesis and photocatalytic properties of nano-MoS₂/kaolin composite, *Chemical Engineering Journal*, 162 (2010) 836 843.
- [26] **K. H. Hu**, X. G. Hu, Y. F. Xu, J. D. Sun, Synthesis of nano-MoS₂/TiO₂ composite and its catalytic degradation effect on methyl orange, *Journal of Materials Science*, 2010, 45: 2640 2648.
- [27] K. H. Hu*; X. G. Hu; C. C. Hu. Exfoliation and restacking of MoS₂ nanoplatelets in Co²⁺ solution. *Materials Technology: Advanced Performance Materials*. 2013, 28(3): 169 173.
- [28] **Hu Kun-hong**, ZHAO Di-fang, LIU Jun-sheng. Synthesis and application of nano-MoS₂/bentonite composite for the removal of organic dye. *Trans. Nonferrous Met. Soc. China*
- [29] **K. H. Hu**, Y. K. Cai, G. Q. Shao, X. L. Cui, Synthesis and photocatalytic properties of nano-MoS₂/AlOOH composite, *Reaction Kinetics, Mechanisms and Catalysis*, 2011, 103:153 164.
- [30] **K. H. Hu**, X. G. Hu, Y. F. Xu, X. Z. Pan, The effect of morphology and size on the photocatalytic properties of MoS₂ *Reaction Kinetics, Mechanisms and Catalysis*, 2010, 100(1): 153-163.

	<p>学术著作（章节）</p> <p>[1] Kunhong Hu*, Xianguo Hu*, Yufu Xu, Xiaojun Sun, Yang Jiang. Tribology of MoS₂-Based Nanocomposites -3-642-33881-6, Springer Berlin Heidelberg, Invited Book Chapter. 2013</p> <p>[2] K. H. Hu Tribology of Composite Materials with Inorganic Lubricants Edited by J. P. Davim, ISBN: 978-1-61668-319-1, Nova Science Publishers, Inc., Invited Book Chapter. 2010</p> <p>申请与授权专利</p> <p>[1] , , . , , . CN201210078592.X. () /</p> <p>[2] , , . , , . CN201210078581.1. () /</p> <p>[3] , . , . CN201010524516.8. () /</p> <p>[4] , , , , . : . : CN201410369695.0. () /</p> <p>[5] , , , , . , . CN201510416871.6. / /</p> <p>[6] , , , , . : . : CN201510416794.4. () /</p> <p>[7] , , , , . : . : CN201510416850.4. () /</p> <p>[8] , , , , . : . : CN201510416849.1. () /</p> <p>[9] , , , , . : . : CN201510416795.9. ()</p> <p>[10]</p>
	<ul style="list-style-type: none"> ➤ 2017 1 ➤ 2015 ➤ 2015 ➤ 2013 2 ➤ 2010 2011 ➤ 2011 ➤ 2010 ➤ 2009 ➤ ➤