

高分子化学与物理教育部重点实验室

2018 年发表论文目录

2018 年重点实验室累计发表科研论文 161 篇（数据来源 SCI、中国期刊网，统计时间 2018 年 1 月 1 日 - 12 月 31 日）。其中以第一作者单位发表论文 99 篇，非第一作者单位发表的合作论文 62 篇。

第一作者单位论文

1. Su, S.[#]; Wang, Y. Y.[#]; **Du, F. S.***; **Lu, H.***; **Li, Z. C.** “Dynamic covalent bond-assisted programmed and traceless protein release: high loading nanogel for systemic and cytosolic delivery”, *Adv. Funct. Mater.* **2018**, 28, 1805287. (#equal contribution) (IF=15.621, 他引次数: 0)
2. Yuan, J. S.; Zhang, Y.; Li, Z. Z.; Wang, Y. Y.; **Lu, H.*** “As Sn lewis pair-mediated ring-opening polymerization of α -amino acid n-carboxyanhydrides: fast kinetics, high molecular weight, and facile bioconjugation”, *ACS Macro Lett.* **2018**, 7, 892-897. (IF=5.775, 他引次数: 1)
3. Hu, Y. L.; Hou, Y. Q.; Wang, H.; **Lu, H.*** “Polysarcosine as an alternative to PEG for therapeutic protein conjugation”, *Bioconjugate Chem.* **2018**, 29, 2232-2238. (IF=4.349, 他引次数: 2)
4. Zhang, C.[#]; Lu, J. H.[#]; Hou, Y. Q.; Xiong, W.; Sheng, K.; **Lu, H.*** “Investigation on the linker length of synthetic zwitterionic polypeptides for improved nonfouling surfaces”, *ACS Appl. Mater. Interfaces* **2018**, 10, 17463-17470. (#equal contribution) (IF=8.456, 他引次数: 0)
5. Yuan, J. S.; Zhang, Y.; Sun, Y.; Cai, Z. C.; Yang, L. J.*; **Lu, H.*** “Salt- and pH-triggered helix-coil transition of ionic polypeptides under physiology conditions”, *Biomacromolecules* **2018**, 19, 2089-2097. (IF=5.667, 他引次数: 2)
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8. 张冲; **吕华*** “蛋白质-聚氨基酸偶联物的高效合成与应用”, *高分子学报* **2018**, 1, 21-31. (Invited Review) (IF=1.405, 他引次数: 0)
9. Chang, H. J.; Jing, H. R.; Yin, Y. D.; Zhang, Q. F.; **Liang, D. H.*** “Membrane-mediated transport in non-equilibrium hybrid protocell based on coacervate droplets and surfactant”, *Chem. Commun.* **2018**, 54, 13849-13852. (IF = 6.164, 他引次数: 0)
10. Yin, Y. D.; Chang, H. J.; Jing, H. R.; Zhang, Z. X.*; Yan, D. D.; Mann, S.*; **Liang, D. H.*** “Electric field-induced circulation and vacuolization regulate enzyme reactions in coacervate-based protocells”, *Soft Matter* **2018**, 14, 6514-6520. (IF = 3.399, 他引次数: 1)
11. Yu, Q. H.; Sun, J. B.; Huang, S. Q.; Chang, H. J.; Bai, Q. Q.; Chen, Y. X.*; **Liang, D. H.*** “Inward budding and endocytosis of membranes regulated by a novo designed peptides”, *Langmuir* **2018**, 34, 6183-6193. (IF = 3.683, 他引次数: 0)
12. Wu, X. L.[#]; Liu, Y. J.[#]; Liu, D.; Sun, F.; **Zhang, W. B.*** “An intrinsically disordered peptide-peptide stapler for highly efficient protein ligation both in vivo and in vitro”, *J. Am. Chem. Soc.* **2018**, 140, 17474-17483. (#equal contribution) (IF=14.695, 他引次数: 0)
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16. Zhang, X. J.; Wang, X. W.; Da, X. D.; Shi, Y.; Liu, C.; Sun, F.; Yang, S.*; **Zhang, W. B.*** “A versatile and robust approach to stimuli-responsive protein multilayers with biologically enabled unique functions”, *Biomacromolecules* **2018**, *19*, 1065-1073. (IF=5.667, 他引次数: 2)
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19. Jin, P. F.#; Shao, Y.#; Yin, G. Z.; Yang, S.; He, J.; Ni, P.; **Zhang, W. B.*** “Janus [3:5] polystyrene-polydimethylsiloxane star polymers with a cubic core”, *Macromolecules* **2018**, *51*, 419-427. (#equal contribution) (IF=5.997, 他引次数: 2)
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21. Wang, X.-W.; **Zhang, W. B.*** “Chemical topology and complexity of protein architectures”, *Trends Biochem. Sci.* **2018**, *43*, 806-817. (IF=16.889, 他引次数: 0)
22. **Zhang, W. B.***; Cheng, S. Z. D.*; Cao, Y.* “Special topic on soft matter science and engineering”, *Sci. China Chem.* **2018**, *61*, 1-2. (IF=6.085, 他引次数: 0)
23. Xu, L.; **Zhang, W. B.*** “Topology: a unique dimension for protein engineering”, *Sci. China Chem.* **2018**, *61*, 3-16. (IF=6.085, 他引次数: 0)
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28. Ye, X. C.#; Cui, J. X.#; Li, B. W.; Li, N.; **Zhang, J.**; **Wan, X. H.*** “Self-reporting inhibitors: single crystallization process to get two optically pure enantiomers”, *Angew. Chem. Int. Ed.* **2018**, *57*, 8120-8124. (#equal contribution) (IF=12.257, 他引次数: 1)
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