



所属学院 化学与分子工程学院

学科领域 化学, 材料

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个人简介

华东理工大学教授, 博士生导师, 上海市晨光学者, 浦江学者, 华东理工大学首批骨干教师计划及跟踪资助计划入选者, 获 2017 年上海市自然科学奖一等奖(排名第 4)。

研究方向

光催化; 表面增强拉曼散射

研究成果及主要发表文章

As first or corresponding author

1. S. Q. Wu, X. J. Tan, J. Y. Lei, H. J. Chen, L. Z. Wang,* J. L. Zhang* Ga-Doped and Pt-Loaded Porous TiO₂-SiO₂ for Photocatalytic Nonoxidative Coupling of Methane J. Am. Chem. Soc., 2019, 141, 6592-6600.
2. D. Y. Qi, L. J. Lu, L. Z. Wang,* J. L. Zhang* Improved SERS Sensitivity on Plasmon-Free TiO₂ Photonic Microarray by Enhancing Light-Matter Coupling, J. Am. Chem. Soc., 2014, 136, 9886-9889.
3. D. L. Lu, J. Y. Lei, L. Z. Wang,* J. L. Zhang* Multifluorescently traceable nanoparticle by a single-wavelength excitation with color-related drug release performance, J. Am. Chem. Soc., 2012, 134, 8746-8749.
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5. D. Du, W. Shi, L. Z. Wang,* J. L. Zhang*, Yolk-Shell Structured Fe₃O₄@void@TiO₂ as a Photo-Fenton-Like Catalyst for the Extremely Efficient Elimination of Tetracycline, Appl.Catal.B: Environ, 2017, 200, 484-492.
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12. L. Jiang, L. Z. Wang,* J. L. Zhang* A Direct Route For the Synthesis of Nanometer-Sized Bi₂WO₆ Particles Loaded on a Spherical MCM-48 Mesoporous Molecular Sieve, Chem. Commun., 2010, 8067-8069.
13. L. Z. Wang, J. Y. Lei, J. L. Zhang* Building of multifluorescent mesoporous silica nanoparticles, Chem. Commun., 2009, 2195-2197.
14. L. Z. Wang, C. Cheng, T. Sen, J. Y. Lei, J. L. Zhang,* F. Zhang, Carbon dots modified mesoporous organosilica as an adsorbent for the removal of 2, 4-dichlorophenol and heavy metal ions, J. Mater. Chem. A, 2015, 3, 13357-13364. (Highly Cited Paper)
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