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## 李一鸣教授、博导

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李一鸣



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#### 教育与研究经历

1998.09—2002.07 山东大学化学专业获学士学位

2002.09—2007.07 山东大学物理化学专业获博士学位

2007.06—2007.08 香港城市大学材料物理系访问学者

2007.07—2010.12 中国海洋大学化学化工学院讲师

2015.05—2016.05 美国University of Connecticut 访问学者

2011.01—至今 中国海洋大学

海洋化学理论与工程技术教育部重点实验室/化学化工学院副教授、教授

## 研究领域与兴趣

1. 微纳米材料用于海洋溢油乳化分散与修复
2. 油水分离功能材料的开发与应用
3. 多功能微纳米材料去除水中混合污染物

## 在研项目

国家自然科学基金面上项目（21773219，65万）；

青岛海洋科学与技术国家实验室开放基金（QNL2016ORP0308，100万）；

山东省重点研发计划（2018GSF117041，15万）；

中海油田服务股份有限公司横向课题（YSB18YF003，96.2万）。

## 主讲课程

《物理化学》

## 所获奖励

第十一届青岛市青年科技奖（2018）；中国海洋大学优秀硕士论文指导教师（2013、2017）；山东省优秀硕士论文指导教师（2017）；中国海洋大学“巾帼建功明星”（2018）；第二届中国海洋大学“天泰优秀人才奖”（2019）；2018年海洋科学技术奖二等奖（位3）；2018年度中国石油和化学工业联合会科学技术奖三等奖（位3）；2013年度山东高等学校优秀科研成果奖（自然科学类）一等奖（位2）。

## 发表论文(近五年、第一或通讯作者)

<!--[if !supportLists]-->1.<!--[endif]-->Dafan Chen, **Yiming Li\***, Mutai Bao, Yajie Hou, Jiafeng Jin, et al. Responsive Silica Microrods as Solid Stabilizer and Adsorbent for Simultaneous Removal of Coexisting Contaminants in Water, *ACS Sustainable Chemistry & Engineering*, 2019, 7, 13786–13795. 封面文章

<!--[if !supportLists]-->2.<!--[endif]-->Li Yu, Wen Zhou, **Yiming Li\***, Quanzhu Zhou, Haibo Xu, et al. Antibacterial thin film nanocomposite membranes incorporated with graphene oxide quantum dot mediated silver nanoparticle for reverse osmosis application, *ACS Sustainable*

**Chemistry & Engineering**, 2019, 7, 8724–8734. 封面文章

<!--[if !supportLists]-->3.<!--[endif]-->Yajie Hou, **Yiming Li\***, Lisha Wang, Dafan Chen, Mutai Bao, et al., Amphiphilic Janus particles for efficient dispersion of oil contaminants in seawater, **Journal of Colloid and Interface Science**, 2019 (in press).

<!--[if !supportLists]-->4.<!--[endif]-->Dafan Chen, Aiqin Wang, **Yiming Li\***, Yajie Hou, Zhining Wang\*, Biosurfactant-modified palygorskite clay as solid-stabilizers for effective oil spill dispersion, **Chemosphere**, 2019, 226, 1–7.

<!--[if !supportLists]-->5.<!--[endif]-->Wenyi Wang, **Yiming Li\***, Wenbo Wang, Baoyu Gao, Zhining Wang\*, Palygorskite/silver nanoparticles incorporated polyamide thin film nanocomposite membranes with enhanced water permeating, antifouling and antimicrobial performance, **Chemosphere**, 2019, 236, 124396.

<!--[if !supportLists]-->6.<!--[endif]-->Xiang Gao, **Yiming Li\***, Xiaolong Yang, Yanan Shang, Yong Wang, et al., Highly permeable and antifouling reverse osmosis membranes with acidified graphitic carbon nitride nanosheets as nanofillers, **J. Mater. Chem. A**, 2017, 5, 19875–19883.

<!--[if !supportLists]-->7.<!--[endif]-->**Yiming Li**, Haiyue Gong, Hua Cheng, Lisha Wang, Mutai Bao\*, Individually immobilized and surface-modified hydrocarbon-degrading bacteria for oil emulsification and biodegradation, **Marine Pollution Bulletin**, 2017, 125, 433-439.

<!--[if !supportLists]-->8.<!--[endif]-->Aiqin Wang, **Yiming Li\***, Xiaolong Yang, Mutai Bao, Hua Cheng, The enhanced stability and biodegradation of dispersed crude oil droplets by Xanthan Gum as an additive of chemical dispersant, **Marine Pollution Bulletin**, 2017, 118, 275–280.

<!--[if !supportLists]-->9.<!--[endif]-->Jianrui Zhang, **Yiming Li\***, Mutai Bao, Xiaolong Yang, Zhining Wang, Facile Fabrication of Cyclodextrin-Modified Magnetic Particles for Effective demulsification from Various Types of Emulsions, **Environmental Science & Technology**, 2016, 50 (16), 8809–8816.

<!--[if !supportLists]-->10.<!--[endif]-->Guilu Pi, **Yiming Li\***, Mutai Bao, Lili Mao, Haiyue Gong, Zhining Wang, A Novel and Environmentally-friendly Oil Spill Dispersant Based on the Synergy of Biopolymer Xanthan Gum and Silica Nanoparticles, **ACS Sustainable Chemistry & Engineering**, 2016, 4(6), 3095–3102.

<!--[if !supportLists]-->11.<!--[endif]-->Haiyue Gong, Mutai Bao, Guilu Pi, **Yiming Li\***, Aiqin Wang, Zhining Wang, Dodecanol-modified Petroleum Hydrocarbon Degrading Bacteria for Oil Spill Remediation: Double Effect on Dispersion and Degradation, **ACS Sustainable Chemistry & Engineering**, 2016, 4 (1), 169–176.

- <!--[if !supportLists]-->12.<!--[endif]-->Guilu Pi, Lili Mao, Mutai Bao, **Yiming Li\***, Haiyue Gong and Jianrui Zhan, Preparation of Oil-in-Seawater Emulsions Based on Environmentally Benign Nanoparticles and Biosurfactant for Oil Spill Remediation, *ACS Sustainable Chemistry & Engineering*, 2015, 3, 2686–2693.
- <!--[if !supportLists]-->13.<!--[endif]-->Haiyue Gong, **Yiming Li\***, Mutai Bao, Dong Lv, Zhining Wang, Petroleum hydrocarbon degrading bacteria associated with chitosan as effective particle-stabilizers for oil emulsification, *RSC advances*, 2015, 5, 37640–37647.
- <!--[if !supportLists]-->14.<!--[endif]-->Linjuan Tong, Mutai Bao, **Yiming Li\***, Haiyue Gong, Interfacial dynamic and dilational rheology of polyelectrolyte/surfactant two-component nanoparticle systems at air-water interface, *Applied Surface Science*, 2014, 316, 147–154.
- <!--[if !supportLists]-->15.<!--[endif]-->**Yiming Li\***, Haixia Zhang, Zhining Wang, Mutai Bao, Micelle-vesicle transitions in catanionic mixtures of SDS/DTAB induced by salt, temperature and selective solvents: a dissipative particle dynamics simulation study, *Colloid Polymer Science*, 2014, 292, 2349–2360.

#### 专利

- <!--[if !supportLists]-->1.<!--[endif]-->一种环保型海洋溢油乳化分散剂的制备方法, 201510014913.3.
- <!--[if !supportLists]-->2.<!--[endif]-->一种改性凹凸棒石黏土颗粒作为溢油分散剂的制备方法, 201810629142.2.
- <!--[if !supportLists]-->3.<!--[endif]-->一种环糊精修饰的磁性空心微胶囊吸附材料的制备方法, 201711385185.2.
- <!--[if !supportLists]-->4.<!--[endif]-->一种含凹凸棒石或凹凸棒石/TiO<sub>2</sub>的反渗透复合膜的制备方法, 201711172017.5.
- <!--[if !supportLists]-->5.<!--[endif]-->两亲性二氧化硅固体颗粒基海洋溢油分散剂的制备方法, 201910039430.7.

#### 招生情况

每年拟招收1名博士, 3名硕士, 欢迎感兴趣的同学加入课题组!

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