

基本信息

姓名	薛敏	
职务		
职称	副教授，硕士生导师	
学术兼职	《分析仪器》杂志编委	
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系/研究所	化学工程系/应用化学所	

教育背景

2003.09—2006.10	日本福井大学，材料科学专业，工学博士
1999.09 —2002.03	北京理工大学，化学工程与技术，工学硕士
1991.09 —1995.07	内蒙古工业大学，化学工程与技术，工学学士

工作经历

2016.07 —至今	北京理工大学化学与化工学院，副教授
2020.01 —2020.08	美国加州大学尔湾分校，访问学者
2007.03 —2016.07	北京理工大学化学与化工学院，讲师
2012.02 —2012.08	美国加州大学尔湾分校，访问学者
1995.07 —1999.09	内蒙古工业大学，讲师

研究方向

1.	功能高分子材料的合成和应用
2.	纳米水凝胶“人工抗体”材料
3.	化学传感器
4.	色谱分析、分离技术

荣誉奖励

1.	北京理工大学“优秀班主任”（2015）
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承担项目	
1.	对过敏原蛋白有亲和性的温敏性纳米水凝胶的制备及识别机理研究, 国家自然科学基金, 项目负责人
2.	”塑料抗体”识别蛋白质的研究, 北京理工大学国际合作基金, 项目负责人
3.	CL-20 等 7 种标准物质无机杂质等定值研究, 项目负责人
4.	白坚木皮醇提取和测试, 项目负责人
5.	防毒面具剩余寿命指示剂研究, 项目负责人
研究成果	
<p>以溶菌酶、过敏原蛋白、免疫球蛋白等生物大分子为目标物, 模拟蛋白质-蛋白质之间作用力, 制备纳米水凝胶材料, 作为人工抗体展开识别和亲和性研究; 基于结构色变色机理, 结合水凝胶材料, 实现对生物大分子、药物小分子、含能材料等的传感研究; 基于分子印迹聚合物、介孔材料等高分子材料, 结合色谱技术, 实现对环境污染物等化合物的分析和分离。</p> <p>主持国家自然科学基金项目 1 项、承担企业合作项目 8 项; 参与国家自然科学基金项目等 5 项。迄今在国内外学术刊物及会议上发表学术论文 50 余篇, 其中 SCI 收录 40 篇, EI 收录 10 篇。</p>	
代表性论文	
1.	Zhe Wang, Zihui Meng*, Kenneth J Shea, Min Xue* , et al. Assembly of Nano Hydrogel Colloidal Array for the Sensing of Humidity, <i>RSC Advances</i> , 2018, 8:9963-9969
2.	Jian Wang, Zihui Meng, Min Xue , Lili Qiu, Chenfan Zhang. Separation of 1,3,5,7-tetranitro- 1,3,5,7-tetraazacyclooctane and 1,3,5-trinitro-1,3,5-triazacyclohexane by Molecularly Imprinted Solid Phase Extraction[J]. <i>Journal of Separation Science</i> . 2017 , 40, 1201-1208
3.	Jian Wang, Zihui Meng, Min Xue , Lili Qiu, Xiao Dong, Zhibin Xu, Xuan He, Xueyong Liu, Jinshan Li. Simultaneous Selective Extraction of Nitramine Explosives Using Molecularly Imprinted Polymer Hollow Spheres from Post Blast Samples, <i>New Journal of Chemistry</i> , 2017 , 41 (3) 1129-1136
4.	Wei Chen, Kenneth J. Shea, Min Xue , Lili Qiu, Yunhe Lan & Zihui Meng, Self-assembly of the polymer brush-grafted silica colloidal array for recognition of proteins, <i>Anal Bioanal Chem</i> , 2017 (409): 5319-5326
5.	Wei Lu, Sanford A. Asher, Zihui Meng, Zequn Yan, Min Xue . Visual detection of 2,4,6-trinitrotoluene by molecularly imprinted colloidal array photonic crystal[J].

	<i>Journal of Hazardous Materials</i> . 2016 , 316:87-93.
6.	Fei Xue, Zihui Meng, Fenglian Qi, Min Xue , Lili Qiu. Preparation of free-standing two-dimensional colloidal crystal arrays[J]. <i>Colloid and Polymer Science</i> , 2016 : 479-482.
7.	Xiaoqin Ma, Zihui Meng, Lili Qiu, Jing Chen, Yushu Guo, Da Yi, Tiantian Ji, Hua Ji, Min Xue . Solanesol extraction from tobacco leaves by Flash chromatography based on molecularly imprinted polymers[J]. <i>Journal of Chromatography B</i> , 2016 , 1020: 1-5.
8.	Jian Wang, Min Xue , Zihui Meng, Zhibin Xu, and Jun Luo. Application of Molecularly Imprinted Polymer for the Solid-Phase Extraction of Hexanitrohexaazaisowurtzitane (CL-20) from Soil Samples[J]. <i>Analytical Methods</i> , 2016 , 22 (8): 4413-4420.
9.	Lili Qiu, Yuling Li, Zhe Wang, Min Xue , Zhibin Xu, Zihui Meng, Xiaoqin Ma, Da Yi, and Zhihui Lin. Investigation of the Solubility of 3, 4-Diaminofurazan (DAF) and 3, 3'-Diamino-4, 4'-azoxyfurazan (DAAF) at Temperatures Between 293.15 K and 313.15 K[J]. <i>Propellants, Explosives, Pyrotechnics</i> , 2016.41:775-777
10.	Jian Wang, Xiao Dong, Min Xue , Xuemin Dong, Zhibin Xu, Zihui Meng and Jun Luol. Understanding the relationships between molecule structure and imprinting effect of two acetyl-nitrogen heterocyclic compounds[J]. <i>Journal of molecular recognition</i> , 2016 , 29 (6): 260-265.
11.	贾华, 尹瑞林, 钟旭, 薛敏 , 赵瑜, 孟子晖, 汪群杰. 分子印迹复合膜对降糖药的拉曼光谱快速检测[J]. <i>高等学校化学学报</i> , 2016 , 2:239-245
12.	Wei Lu, Min Xue , Zhibin Xu, Xiao Dong, Fei Xue, Fengyan Wang, Qihong Wang and Zihui Meng, Molecularly Imprinted Polymers for the Sensing of Explosives and Chemical Warfare Agents, <i>Current Organic Chemistry</i> , 2015 , 19(1), 62-71
13.	董学敏, 薛敏 , 孟子晖, 高效液相色谱法检测多硝基金刚烷, <i>含能材料</i> , 2015 , 23(5): 450-453
14.	Min Xue , Zhi Lv, Jing Chen, Xuemin Dong, Zihui Meng, Xiao Dong, Dongxiang Zhang, Ying Wu, Shikuan Jiang & Min Li. Analysis of L-Quebrachitol from the Waste Water of Rubber Latex Serum Using Hydrophilic Interaction Chromatography and Evaporative Light Scattering Detector Method[J]. <i>Journal of Liquid Chromatography & Related Technologies</i> , 2015 , 38(1): 92-96.
15.	Fengyan Wang, Zuogang Zhu, Min Xue , Fei Xue, Qihong Wang, Zihui Meng, Wei Lu, Wei Chen, Fenglian Qi, Zequn Yan. Cellulose photonic crystal film sensor for alcohols[J]. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220: 222-226.
16.	Min Xue , Jingyao Shen, Dan Wang, Lei Yin, Xiaolei Zhuang and Zihui Meng. Determination of trichlorfon in samples of spicy vegetables using a molecularly imprinted solid-phase extraction technique[J]. <i>Analytical Methods</i> , 2015 , 7(6): 2420-2424
17.	Wei Chen, Min Xue , FeiXue, XiangrongMu, ZhibinXu, ZihuiMeng, Guangxian Zhu, KennethJ.Shea. Molecularly imprinted hollow spheres for the solid phase extraction of estrogens[J]. <i>Talanta</i> , 2015 , 140: 68-72

18.	Min Xue , Siyu Wu, Wenjin Liu, Qiao Zhu, Zihui Meng, Zihui Lin. Solubility of 3, 7-Dinitro-1, 3, 5, 7-tetraazabicyclo [3.3. 1] Nonane in Ethanenitrile, Methanol, 1, 1-Dichloroethane, Dimethyl Sulfoxide, Acetone, and Mixed Solvents[J]. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60(6): 1683-1687.
19.	齐丰莲, 薛敏 , 薛飞, 孟子晖, 邱丽莉, 徐志斌, 芦薇. 二维胶体晶体异质结构的制备及传感性[J]. <i>高等学校化学学报</i> , 2015 , 36(8): 1612-1618.
20.	齐丰莲, 徐玉东, 孟子晖, 薛敏 , 徐志斌, 邱丽莉, 崔可建. 葫芦脲在色谱固定相中的研究进展[J]. <i>色谱</i> , 2015 , 33(11): 1134-1139.
21.	Xue, Fei; Asher, Sanford A.; Meng, Zihui; Wang, Fengyan; Lu, Wei; Xue, Min ; Qi, Fenglian. Two-dimensional colloidal crystal heterostructures. <i>RSC Advances</i> , 2015 , 24(5): 18939-18944
22.	Wei Chen, Min Xue , Kenneth J. Shea, Zihui Meng, Zequn Yan, Zhe Wang, Fei Xue, Feng Qu. Molecularly imprinted hollow sphere array for the sensing of proteins[J]. <i>Journal of biophotonics</i> , 2014 : 1-8.
23.	Lu,Wei;Li,Haiyang;Meng,Zihui;Liang,Xixi; Xue,Min ;Wang, Qihong; Dong, Xiao. Detection of nitrobenzene compounds in surface water by ion mobility spectrometry coupled with molecularly imprinted polymers. <i>Journal of Hazardous Materials</i> , 2014 , (280): 588-594.
24.	Fei Xue, Zihui Meng, Fengyan Wang, Qihong Wang, Min Xue and Zhibin Xu. A 2-D photonic crystal hydrogel for selective sensing of glucose [J]. <i>Journal of Materials Chemistry A</i> , 2014 , 2(25):9559-9565.
25	Chen Wei, Lei Wen, Xue Min , Zihui Meng. Protein recognition by a surface imprinted colloidal array [J]. <i>Journal of Materials Chemistry A</i> , 2014 , 2(20): 7165-7169.