先丰客户发表文章

Publications Featuring XFNANO 2016.12.07

此统计数据日期截至 2016 年 12 月 07 日，由于文章较多，此处仅统计先丰客户英文文章且直接引用先丰公司英文名称"Nanjing XFNANO Materials Tech Co.,Ltd"，截至到 2016 年 12 月份已经有超过 2500 篇文章(包括英文/中文/专利)署名先丰纳米，其中包括三篇《Nature》子刊，以及 5 篇 AM，7 篇 AFM，1 篇 JACS。最近纳米材料界大牛王中林课题组利用我司制备的 L30 超长银纳米线产品在 AFM 上发表文章（Chen XY, Pu X, Jiang T, et al. Tunable Optical Modulator by Coupling a Triboelectric Nanogenerator and a Dielectric Elastomer [J]. Advanced Functional Materials, 2016）。为了更好的服务客户，为客户提供研发思路，我司现整理出 1696 篇高质量英文文章，主要有 Nature Communications, JACS, Advanced Materials, Nano letters, Advanced Energy Materials, ACS Nano, Biomaterials, ACS Catalysis, Advanced Science 等，总影响因子超过 6400，平均影响因子 4 左右。 值得骄傲的是这些材料都是实验的主体材料，在国际上宣传了"XFNANO"，为先丰带来了声誉和很多国际客户，这也说明了国外杂志对我司的认可，也为后来客户发表文章直接引用我司提供了很多方便和印证。

先丰纳米公司从 09 年发展至今，一直专注于提供高质量的石墨烯产品。我司现摘录部分英文文章如下，一是为宣传我司；二是也是为广大客户更信任我司产品，启迪客户科研思路，用好我司提供的材料；三是推动我司继续前进，履行"先进纳米材料制造商以及技术服务商"的宗旨。

另外我司代理的产品，国内客户发表文章的也有上百篇，由于署名不是我司，较难查找，我司以后会摘录几篇影响因子较高的客户文章，同时也欢迎客户反馈文章发表信息。反馈一篇我司此列表中未摘录的英文文章包括会议论文奖励一百元，作者亲自反馈的除奖金外，购买我司产品一律享受 VIP 待遇。

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一、高品质石墨烯类产品

Graphene with high quality

1.1 石墨烯

Graphene

2016-2017

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影响因子：4.831

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影响因子：3.289

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影响因子：7.145

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应用：修饰铜，强度性能
影响因子：3.014

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应用：修饰铁，有机物异质结催化剂
影响因子：3.349

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链接：http://www.sciencedirect.com/science/article/pii/S0013468616302572
应用：修饰 B，N，Pt 纳米颗粒，氧气还原
影响因子：4.803

1684. Lu Y, Cheng Z, Liu C, et al., Determination of Sulfonamides in Fish Using a Modified QuEChERS Extraction Coupled with Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry[J]. **Food Analytical Methods** 2016, *9*, 1857-1866.
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应用：石墨烯作固相溶剂，与萃取剂构成 QuEChERS 方法。该方法结合液相色谱-串联质谱法，检测鱼体内磺胺类药物残留。
影响因子：2.167

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应用：复合 FePCB，微波吸收
影响因子：4.213

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链接：http://www.sciencedirect.com/science/article/pii/S0021979716300340
应用：环糊精/四丁酚醛/石墨烯，超分子凝胶
影响因子：3.782

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应用：复合聚（L-蛋氨酸），色氨酸传感器
影响因子：3.289

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链接：http://www.sciencedirect.com/science/article/pii/S0144861715011236
应用：抗菌纤维、石墨烯复合薄膜，机械性能
影响因子：3.479

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应用：活化表皮生长因子受体，促细胞增生

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链接：http://pubs.rsc.org/is/content/articlelanding/2015/ay/c5ay02945g#!divAbstract
应用：石墨烯/离子液体修饰掺硒碳电极，用于铜和锑的测定。
影响因子：1.915

1677. Wu X J, Wang G N, Yang K, et al., Determination of Tetracyclines in Milk by Graphene-based Solid-phase

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应用：修饰聚（亮甲酚蓝），检测肾上腺素
影响因子：2.822

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应用：修饰玻碳电极，检测莫西沙星
影响因子：3.289

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影响因子：4.810

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影响因子：4.712

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影响因子：4.917

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影响因子：3.611

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应用：光催化

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影响因子：1.649

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1.3 石墨烯纳米片

Graphene nanoplates

2016-2017

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影响因子：2.959

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应用：负载于金基底上，做 secondary electron yield (SEY)

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应用：外覆 Nafion 后制成钒还原流态电池
影响因子：3.289

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应用：氧化铝基陶瓷经石墨烯纳米片钢化，微孔结构与机械性能的各向异性
影响因子：2.758

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链接：http://link.springer.com/article/10.1007/s00604-016-1848-x
应用：与多壁碳管复合，修饰 Pd@Pt 颗粒，在玻碳电极上做 LMP-1 癌细胞免疫测定
影响因子：4.831

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影响因子：7.760

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影响因子：1.384

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影响因子：4.732

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影响因子：1.418

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影响因子：1.338

2015-2016

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1.4 还原石墨烯

Reduced graphene

2016-2017

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应用：空穴传输，发光二极体
影响因子：1.798

1416. Jiang Z, Li G and Zhang M, Electrochemical sensor based on electro-polymerization of β-cyclodextrin and reduced-graphene oxide on glassy carbon electrode for determination of gatifloxacin[J]. **Sensors and Actuators B: Chemical** 2016, *228*, 59-65.
链接：http://www.sciencedirect.com/science/article/pii/S0925400516300132
应用：与环糊精电聚合，加替沙星传感器
影响因子：4.758

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影响因子：5.228

2015-2016

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2012-2015

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链接：http://www.sciencedirect.com/science/article/pii/S0956566313008324
影响因子：6.451
应用：细胞标记

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影响因子：5.825
应用：生物检测

516. Bai X, Shiu K K. Investigation of the optimal weight contents of reduced graphene oxide–gold nanoparticles composites and theirs application in electrochemical biosensors[J]. **Journal of Electroanalytical Chemistry,** 2014, 720: 84-91.
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影响因子：2.871
应用：电化学生物传感器

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影响因子：2.502
应用：电化学生物传感器

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影响因子：1.966
应用：气体检测

1.5 RGO-TEPA

2016-2017

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AuPt modified C60 bimetallic nanoclusters for the detection of Vangl1, a potential biomarker for dysontogenesis[J]. **Biosensors and Bioelectronics** 2016, *79*, 364-370.
链接：http://www.sciencedirect.com/science/article/pii/S0956566315307144
应用：电化学荧光检测
影响因子：7.476

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影响因子：7.145

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影响因子：7.476

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影响因子：8.262

2015-2016

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adsorb metal ions as labels[J]. **Biosensors and Bioelectronics**, 2015, 72: 237-246.

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2012-2015

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影响因子：6.451

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影响因子： 5.9

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影响因子：3.511

1.6 羧基化石墨烯

Carboxyl Graphene

2016-2017

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应用：载体，检测金黄色葡萄球菌
影响因子：4.035

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1407. Wu X J, Wang G N, Yang K, et al., Determination of Tetracyclines in Milk by Graphene-based Solid-phase Extraction and High-performance Liquid Chromatography[J]. **Analytical Letters** 2016.
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影响因子：1.088

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影响因子：7.476

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2015-2016

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应用：光催化

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应用：电化学传感器

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应用：传感器

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应用：电化学生物传感器

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应用：荧光传感器

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应用：燃料电池

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应用：有机分子检测

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应用：有机分子检测

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应用：电化学探针

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影响因子：4.086
应用：亚硝酸盐检测

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影响因子：4.086
应用：微型传感器

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应用：电化学传感器

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应用：生物检测

2012-2013

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1.7 羧基化氧化石墨烯

Carboxylic graphene oxide (CGO)

2016-2017

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应用：催化剂，检测组织 TGM2
影响因子：7.476

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2015-2016

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1.9 氮掺杂石墨烯

N-doped Graphene

2016-2017

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应用：电化学传感器，检测多巴胺
影响因子：2.822

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影响因子：4.758

2015-2016

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Amino-functionalized graphene

2016-2017

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1.11 石墨烯膜

Graphene film

2016-2017

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影响因子：2.033

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应用：离子化后做药物载体
影响因子：2.729

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影响因子：1.811

2015-2016

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1.12 石墨烯量子点

Graphene quantum dots

2016-2017

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应用：作探针，酪氨酸酶传感器
影响因子：3.289

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应用：酶催化，miRNA-155 传感器
影响因子：7.476

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molybdenum disulfide (MoS_2) nanosheets for epithelial cell adhesion molecule (EpCAM) detection[J]. **Biosensors and Bioelectronics** 2016.
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影响因子：7.476

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影响因子：8.315

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影响因子：6.451

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影响因子：4.331

1.13 氧化石墨烯量子点

Graphene oxide quantum dots

2016-2017

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1.14 碳纳米角

Carbon Nanohorns

2016-2017

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应用：修饰 Co-g-C_3N_4，还原氧
影响因子：3.289

1.15 CVD 单层石墨烯

Chemical vapor deposition (CVD) single layer graphene

2016-2017

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1.16 氧化石墨

Graphite oxide

2016-2017

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应用：复合 MnO_2，双氧水传感器
影响因子：1.947

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1.17 氟化石墨

Graphite Fluoride (GF)

2016-2017

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应用：与聚氟蜡复合，制防水自热纤维
影响因子：3.897

1.18 纳米石墨粉

Graphite nanopowder

2016-2017

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应用：荧光传感器
影响因子：4.758

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应用：复合金纳米颗粒，DNA 检测
影响因子：4.712

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应用：制还原氧化石墨烯，荧光
影响因子：4.320

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应用：还原后与壳聚糖衍生物、藻酸盐复合，作小分子药物载体
影响因子：3.338

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Graphite flake

2016-2017

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1.20 可膨胀石墨

Expandable graphite

2015-2016

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1.21 炭黑

Acetylene black

2016-2017

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1.22 热解石墨

Pyrolytic graphite

2016-2017

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二、碳纳米管系列产品

Carbon nanotubes

2.1 多壁碳管

Multi-walled carbon nanotubes

2016-2017

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应用：复合金属氢氧化物，催化
影响因子：2.586

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应用：电容器
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应用：三明治结构，复合石墨烯片，增强聚醚酮醚机械性能，生物支架
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应用：与聚吲哚复合，电容器
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应用：负载 Pt，CO 安培检测器
影响因子：4.758

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应用：作为 Pt^{4+}载体，探究 Pt^{4+}自还原现象
影响因子：4.449

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2.2 羧基化多壁碳管

Carboxyl Multi-walled carbon nanotubes

2016-2017

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应用：多点检测 G-rich DNA
影响因子：4.803

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应用：与 MIP/AuNPs 复合，分子内打印电化学传感器
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应用：与短碳纤维复合，力学性能和断裂的协同作用

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2.3 羟基化单壁碳管

Hydroxyl Modified Single Walled Carbon Nanotubes

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2.4 羟基化多壁碳管

Hydroxyl Modified Multiwalled Carbon Nanotubes

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2.5 氨基化多壁碳管

Amino-functionalized Multiwalled Carbon Nanotubes

2016-2017

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2.6 单壁碳管

Single Walled Carbon Nanotubes

2016-2017

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应用：与 PANI 复合，电热
影响因子：3.471

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2016-2017

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2016-2017

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2016-2017

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Molecular sieve

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2016-2017

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应用：负载 WO_3，将 1-丁烯催化为丙烯
影响因子：5.287

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应用：结构示例，与 Cu^{2+}/CeO_2 催化剂结构一致， 催化丙三醇为丙二醇。
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应用：作为前驱体，制备 Si/C 复合物，锂电阳极
影响因子：4.803

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2016-2017

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应用：将玉米杆催化为多羟基化合物
影响因子：5.310

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影响因子：2.175

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2016-2017

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应用：结构示例，与 Cu^{2+}/CeO_2 催化剂结构一致， 催化丙三醇为丙二醇。
影响因子：8.506

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2015-2016

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3.4 ZSM-5

2016-2017

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2015-2016

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2012-2015

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2016-2017

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影响因子：3.389

三、类石墨烯类产品

Graphene-like Materials series

4.1 黑磷

Black phosphorus

2016-2017

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应用：结合纳米颗粒，近红外光动力诊断
影响因子：9.407

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应用：吸附剂，中红外锁模脉冲
影响因子：3.040

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应用：光限幅效应
影响因子：3.289

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影响因子：3.466

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2015-2016

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WS_2 nanoplates

2016-2017

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影响因子：2.101

2015-2016

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应用：
生物检测

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影响因子：2.151
应用：摩擦性能

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影响因子：1.938
应用：有机分子检测

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2016-2017

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应用：荧光生物传感器，DNA 甲基化定量测定

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影响因子：2.822

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影响因子：3.573

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影响因子：7.476

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影响因子：7.145

2015-2016

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2012-2015

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链接：http://www.ncbi.nlm.nih.gov/pubmed/25171261
影响因子：6.739
应用：生物检测
购买产品：MoS_2

四、无机纳米材料

Inorganic nanomaterials

5.1 h-BN 纳米片

h-BN nanoplates

2016-2017

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Yiming Zha, Tianlin Wang
Published January 2016, 73 (2) 329-336; DOI: 10.2166/wst.2015.497
链接：http://wst.iwaponline.com/content/73/2/329.abstract
应用：检测甲基橙

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with hexagonal boron nitride as phase change materials for thermal energy storage[J]. **Energy and Buildings** 2016, *131*, 35-41.
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链接：
https://www.researchgate.net/profile/Jun_Xu/publication/305732390_The_effect_of_polymer-substrate_interaction_on_the_nucleation_property_Comparing_study_of_graphene_and_hexagonal_boron_nitride_Nanosheets/links/57a86b5308aed76703f5420f.pdf
影响因子：1.811

1080. Wan Y, Zhang H, Wang W, et al., Origin of Improved Optical Quality of Monolayer Molybdenum Disulfide Grown on Hexagonal Boron Nitride Substrate[J]. **Small** 2016, *12*, 198-203.
链接：
https://www.researchgate.net/profile/Yilun_Wang2/publication/284718915_Origin_of_Improved_Optical_Quality_of_Monolayer_Molybdenum_Disulfide_Grown_on_Hexagonal_Boron_Nitride_Substrate/links/5677e5e408aebcdda0eb9b18.pdf
影响因子：8.315

1079. Feng P, Peng S, Wu P, et al., A space network structure constructed by tetraneedlelike ZnO whiskers supporting boron nitride nanosheets to enhance comprehensive properties of poly(L-lacti acid) scaffolds[J]. **Scientific Reports** 2016, *6*, 33385.
链接：https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5024306/
影响因子：5.228

1078. Zhang N, Hou J, Chen S, et al., Rapidly Probing Antibacterial Activity of Graphene Oxide by Mass Spectrometry-based Metabolite Fingerprinting[J]. **Scientific Reports** 2016, *6*, 28045.
链接：https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4910068/
影响因子：5.228

2015-2016

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2012-2015

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影响因子：3.59

5.2 纳米金刚石

Nanodiamond

2016-2017

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影响因子：3.419

2015-2016

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2012-2015

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影响因子：8.312

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链接：http://www.sciencedirect.com/science/article/pii/S0142961213010193

影响因子：8.312

5.3 碳化硅

SiC

2016-2017

1075. Sun M, Lv X, Xie A, et al., Growing 3D ZnO nano-crystals on 1D SiC nanowires: enhancement of dielectric properties and excellent electromagnetic absorption performance[J]. **Journal of Materials Chemistry C** 2016, *4*, 8897-8902.
链接: http://pubs.rsc.org/-/content/articlelanding/2016/tc/c6tc03162e#!divAbstract
应用：负载 ZnO，绝缘，电磁吸附
影响因子：5.066

1074. Yao Y, Zeng X, Wang F, et al., Significant Enhancement of Thermal Conductivity in Bioinspired Freestanding Boron Nitride Papers Filled with Graphene Oxide[J]. **Chemistry of Materials** 2016, *28*, 1049-1057.
链接：http://pubs.acs.org/doi/abs/10.1021/acs.chemmater.5b04187?journalCode=cmatex
影响因子：9.407

2015-2016

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5.4 二氧化硅

SiO_2

2016-2017

1073. Zeng Y, Wang Z, Lin W, et al., Hydrodeoxygenation of phenol over Pd catalysts by in-situ generated hydrogen from aqueous reforming of formic acid[J]. **Catalysis Communications** 2016, *82*, 46-49.
链接：http://www.sciencedirect.com/science/article/pii/S1566736716301443
影响因子：3.389

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链接：http://pubs.acs.org/doi/abs/10.1021/acs.iecr.5b03788
影响因子：2.567

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链接：http://pubs.rsc.org/-/content/articlelanding/2016/cp/c6cp00465b#!divAbstract
影响因子：4.449

2015-2016

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74.Cao P, Ni Y, Zou R, et al. Enhanced catalytic properties of rhodium nanoparticles deposited on chemically modified SiO 2 for hydrogenation of nitrile butadiene rubber[J]. **RSC Advances**, 2015, 5(5): 3417-3424.

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5.5 二氧化钛纳米粉末

TiO_2 nanopowder

2016-2017

1070. Ali M K A, Xianjun H, Mai L, et al., Improving the tribological characteristics of piston ring assembly in automotive engines using Al_2O_3 and TiO_2 nanomaterials as nano-lubricant additives[J]. **Tribology International** 2016, *103*, 540-554.
链接：http://www.sciencedirect.com/science/article/pii/S0301679X16302535

1069. Ali M K A, Xianjun H, Mai L, et al., Reducing frictional power losses and improving the scuffing resistance in automotive engines using hybrid nanomaterials as nano-lubricant additives[J]. **Wear** 2016, *364–365*, 270-281.
链接：http://www.sciencedirect.com/science/article/pii/S0043164816301806

2015-2016

72.Wang S D, Ma Q, Liu H, et al. Robust electrospinning cellulose acetate@ TiO 2 ultrafine fibers for dyeing water treatment by photocatalytic reactions[J]. **RSC Advances**, 2015, 5(51): 40521-40530.

5.6 碳化钛纳米颗粒

TiC nanoparticles

2016-2017

1068. Chen G, Peng H, Silberschmidt V V, et al., Performance of Sn–3.0Ag–0.5Cu composite solder with TiC reinforcement: Physical properties, solderability and microstructural evolution under isothermal ageing[J]. **Journal of Alloys and Compounds** 2016, *685*, 680-689.
链接：http://www.sciencedirect.com/science/article/pii/S092583881631595X
影响因子：3.014

5.7 氧化锌纳米颗粒

ZnO nanoparticles

2016-2017

1067. Liu F, Sun J, Qian C, et al., Solution-processed zinc oxide nanoparticles/single-walled carbon nanotubes hybrid thin-film transistors[J]. **Applied Physics A** 2016, *122*, 841.
链接：http://link.springer.com/article/10.1007/s00339-016-0380-5

1066. Xu H, Li L, Lv H, et al., pH-dependent phosphatization of ZnO nanoparticles and its influence on subsequent lead sorption[J]. **Environmental Pollution** 2016, *208, Part B*, 723-731.
链接：http://www.sciencedirect.com/science/article/pii/S0269749115301524
应用：pH 调控磷化，吸附锂

1065. Hou J, Yang Y, Wang P, et al., Effects of CeO_2, CuO, and ZnO nanoparticles on physiological features of Microcystis aeruginosa and the production and composition of extracellular polymeric substances[J]. **Environmental Science and Pollution Research** 2016, 1-10.
链接：http://link.springer.com/article/10.1007/s11356-016-7387-5
影响因子：2.760

2015-2016

71.Xu H, Jiang H. Effects of cyanobacterial extracellular polymeric substances on the stability of ZnO nanoparticles in eutrophic shallow lakes[J]. **Environmental Pollution**, 2015, 197: 231-239.

5.8 AAO 模板

AAO

2015-2016

70.Fu C, Wang X, Shi X, et al. The induction of poly (vinylidene fluoride) electroactive phase by modified anodic aluminum oxide template nanopore surface[J]. **RSC Advances**, 2015, 5(106): 87429-87436.

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5.9 CdSe 量子点

CdSe Quantum Dots

2016-2017

1064. Chi X, Wang Y, Gao J, et al., Study of photoluminescence characteristics of CdSe quantum dots hybridized with Cu nanowires[J]. **Luminescence** 2016, *31*, 1298-1301.
链接：http://onlinelibrary.wiley.com/doi/10.1002/bio.3101/abstract
影响因子：1.452

5.10 Al_2O_3

Alumina

2016-2017

1063. Shi H, Liu H, Luan S, et al., Antibacterial and biocompatible properties of polyurethane nanofiber composites with integrated antifouling and bactericidal components[J]. **Composites Science and Technology** 2016, *127*, 28-35.
链接：http://www.sciencedirect.com/science/article/pii/S0266353816300732
应用：抗菌，生物结合
影响因子：3.897

1062. Xu H, Yang C and Jiang H, Aggregation kinetics of inorganic colloids in eutrophic shallow lakes: Influence of cyanobacterial extracellular polymeric substances and electrolyte cations[J]. **Water Research** 2016, *106*, 344-351.
链接：http://www.sciencedirect.com/science/article/pii/S0043135416307734
影响因子：5.991

1061. Ali M K A, Xianjun H, Mai L, et al., Improving the tribological characteristics of piston ring assembly in automotive engines using Al_2O_3 and TiO_2 nanomaterials as nano-lubricant additives[J]. **Tribology International** 2016, *103*, 540-554.
链接：http://www.sciencedirect.com/science/article/pii/S0301679X16302535

1060. Tang Y, Su D, Huang X, et al., Synthesis and thermal properties of the MA/HDPE composites with nano-additives as form-stable PCM with improved thermal conductivity[J]. **Applied Energy** 2016, *180*, 116-129.
链接：http://www.sciencedirect.com/science/article/pii/S0306261916310522

1059. Ali M K A, Xianjun H, Mai L, et al., Reducing frictional power losses and improving the scuffing resistance in automotive engines using hybrid nanomaterials as nano-lubricant additives[J]. **Wear** 2016, *364–365*, 270-281.
链接：http://www.sciencedirect.com/science/article/pii/S0043164816301806

五、金属纳米材料及纳米线

Metal nanomaterials and nanowires

6.1 银纳米线

Silver nanowires

2016-2017

1058. Hu J-t, Mei W-j, Ye K-l, et al., Transparent conductive PVP/AgNWs films for flexible organic light emitting diodes by spraying method[J]. **Optoelectronics Letters** 2016, *12*, 203-207.
链接：http://link.springer.com/article/10.1007/s11801-016-6004-7

1057. Wang T, Song G, Liu F, et al., Mechanical stabilization of metallic microstructures by insertion of an adhesive polymer underlayer for further optical and electrical applications[J]. **Journal of Materials Chemistry C** 2016, *4*, 3231-3237.
链接：http://pubs.rsc.org/is/content/articlelanding/2016/tc/c6tc00025h#!divAbstract
影响因子：5.066

1056. Liu B, Luo Z, Zhang W, et al., Silver nanowire-composite electrodes for long-term electrocardiogram measurements[J]. **Sensors and Actuators A: Physical** 2016, *247*, 459-464.
链接：http://www.sciencedirect.com/science/article/pii/S092442471630293X
影响因子：2.201

1055. Pei S, Zhou Z, Chen X, et al., Co/CoO Nanoparticles/Ag Nanowires/Nitrogen Codoped Electrospun Carbon Nanofibers as Efficient Electrocatalysts for Oxygen Reduction[J]. **Int. J. Electrochem. Sci** 2016, *11*, 8994-9006.
链接：http://www.electrochemsci.org/papers/vol11/111108994.pdf
应用：修饰碳电极，氧还原
影响因子：1.692

1054. Dai H, Wang T Y and Li M C, Spotlight on ultrasonic fracture behaviour of nanowires: their size-dependent effect and prospect for controllable functional modification[J]. **RSC Advances** 2016, *6*, 72080-72085.
链接：http://pubs.rsc.org/-/content/articlelanding/2016/ra/c6ra14559k#!divAbstract

应用：纳米线超声断裂及尺寸影响
影响因子：3.289

1053. Shen L, Du L, Tan S, et al., Flexible electrochromic supercapacitor hybrid electrodes based on tungsten oxide films and silver nanowires[J]. **Chemical Communications** 2016, *52*, 6296-6299.
链接：http://pubs.rsc.org/en/content/articlelanding/2016/cc/c6cc01139j#!divAbstract
应用：电容器

1052. Hu W, Chen S, Zhuo B, et al., Highly Sensitive and Transparent Strain Sensor Based on Thin Elastomer Film[J]. **IEEE Electron Device Letters** 2016, *37*, 667-670.
链接：http://ieeexplore.ieee.org/document/7436709/

1051. Fang H, Wang X, Li Q, et al., A Stretchable Nanogenerator with Electric/Light Dual-Mode Energy Conversion[J]. **Advanced Energy Materials** 2016, *6*, 1600829-n/a.
链接：http://piezotronics.binncas.cn/paper/2016/16_AEM_01.pdf
影响因子：15.230

1050. Cheng C, Xu X, Lei H, et al., Plasmon-assisted trapping of nanoparticles using a silver-nanowire-embedded PMMA nanofiber[J]. **Scientific Reports** 2016, *6*.
链接：https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4740807/
影响因子：5.228

1049. Wu F, Li Z, Ye F, et al., Aligned silver nanowires as transparent conductive electrodes for flexible optoelectronic devices[J]. **Journal of Materials Chemistry C** 2016, *4*, 11074-11080.
链接：http://pubs.rsc.org/en/content/articlelanding/2016/tc/c6tc03671f#!divAbstract
影响因子：5.066

1048. Chen X, Pu X, Jiang T, et al., Tunable Optical Modulator by Coupling a Triboelectric Nanogenerator and a Dielectric Elastomer[J]. **Advanced Functional Materials** 2016, n/a-n/a.
链接：http://onlinelibrary.wiley.com/doi/10.1002/adfm.201603788/full
影响因子：11.382

1047. Chen S, Tao X, Zeng W, et al., Quantifying Energy Harvested from Contact-Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units[J]. **Advanced Energy Materials** 2016, n/a-n/a.
链接：http://onlinelibrary.wiley.com/wol1/doi/10.1002/aenm.201601569/full
影响因子：15.230

1046. Wu C, Kim T W, Li F, et al., Wearable Electricity Generators Fabricated Utilizing Transparent Electronic Textiles Based on Polyester/Ag Nanowires/Graphene Core-Shell Nanocomposites[J]. **Acs Nano** 2016, *10*, 6449-6457.
链接：http://pubs.acs.org/doi/abs/10.1021/acsnano.5b08137

影响因子：13.334

2015-2016

68.Xie Q, Yang C, Zhang Z, et al. High performance silver nanowire based transparent electrodes reinforced by conductive polymer adhesive[C]. Electronic Packaging Technology (ICEPT), 2015 16th International Conference on. IEEE, 2015: 1129-1133.

67.Li J, Zhang W, Li Q, et al. Excitation of surface plasmons from silver nanowires embedded in polymer nanofibers[J]. **Nanoscale**, 2015, 7(7): 2889-2893.

66. Chen S, Cui Q, Guo X. Annealing-Free Solution-Processed Silver Nanowire-Polymer Composite Transparent Electrodes and Flexible Device Applications[J]. Nanotechnology, IEEE Transactions on, 2015, 14(1): 36-41.

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6.2 银纳米颗粒

Silver nanoparticles

2016-2017

1045. Li C-C, Wang Y-J, Dang F, et al., Mechanistic understanding of reduced AgNP phytotoxicity induced by extracellular polymeric substances[J]. **Journal of Hazardous Materials** 2016, *308*, 21-28.
链接：http://www.sciencedirect.com/science/article/pii/S030438941630036X
影响因子：4.836

2015-2016

63.Xu Y, Han T, Li X, et al. Colorimetric detection of kanamycin based on analyte-protected silver nanoparticles and aptamer-selective sensing mechanism[J]. **Analytica chimica acta**, 2015, 891: 298-303.
62. Wang D, Jaisi D P, Yan J, et al. Transport and Retention of Polyvinylpyrrolidone-Coated Silver Nanoparticles in Natural Soils[J].Advancing critical zone science,14(7).

2012-2015

61. Lv X, Wang P, Bai R, et al. Inhibitory effect of silver nanomaterials on transmissible virus-induced host cell

infections[J]. Biomaterials, 2014, 35(13): 4195-4203.
链接：http://www.sciencedirect.com/science/article/pii/S0142961214000842
影响因子：8.312
应用：生物医药

60. Shi L, Yang J, Yang T, et al. Molecular level controlled fabrication of highly transparent conductive reduced graphene oxide/silver nanowire hybrid films[J]. **RSC Advances**, 2014, 4(81): 43270-43277.
链接：http://pubs.rsc.org/en/content/articlelanding/2014/ra/c4ra07228f#!divAbstract
影响因子：3.708

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链接：http://www.sciencedirect.com/science/article/pii/S156611991400439X
影响因子：3.676
应用：透明导电薄膜

58. Chen S, Cui Q, Guo X. Annealing-free Solution Processed Silver Nanowire-polymer Composite Transparent Electrodes and Flexible Device Applications[J]. Nanotechnology, IEEE Transactions on (Volume:PP , Issue: 99) 2014.
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http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6920054&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6920054
影响因子：3.672
应用：透明电极

57. Wang D, Ge L, He J, et al. Hyperexponential and Nonmonotonic Retention of Polyvinylpyrrolidone-Coated Silver Nanoparticles in an Ultisol[J]. **Journal of Contaminant Hydrology,** 2014.
链接：http://www.sciencedirect.com/science/article/pii/S0169772214000679
影响因子：2.702

56.. Wang D, Su C, Zhang W, et al. Laboratory Assessment of the Mobility of Water-Dispersed Engineered Nanoparticles in a Red Soil (Ultisol)[J]. **Journal of Hydrology,** 2014.
链接：http://www.sciencedirect.com/science/article/pii/S0022169414007355
影响因子：2.693

55..Gu B, Hou B, Lu Z, et al. Thermal conductivity of nanofluids containing high aspect ratio fillers[J]. **International Journal of Heat and Mass Transfer,** 2013, 64: 108-114.
链接：http://www.sciencedirect.com/science/article/pii/S0017931013002986
影响因子：2.522

6.3 铜纳米线

Copper nanowires

2016-2017

1044. Chi X, Wang Y, Gao J, et al., Study of photoluminescence characteristics of CdSe quantum dots hybridized with Cu nanowires[J]. **Luminescence** 2016, *31*, 1298-1301.
链接：http://onlinelibrary.wiley.com/doi/10.1002/bio.3101/pdf
影响因子：1.452

1043. Dai H, Wang T Y and Li M C, Spotlight on ultrasonic fracture behaviour of nanowires: their size-dependent effect and prospect for controllable functional modification[J]. **RSC Advances** 2016, *6*, 72080-72085.
链接：http://pubs.rsc.org/-/content/articlelanding/2016/ra/c6ra14559k#!divAbstract
应用：纳米线超声断裂及尺寸影响
影响因子：3.289

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6.4 金纳米线

Aurum nanowires

2016-2017

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6.5 金纳米颗粒

Aurum nanoparticles

2016-2017

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6.6 镍膜

Nickel film

2016-2017

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影响因子：6.333

6.7 DMSA-Fe_3O_4

Dimercaptosuccinic acid (DMSA) modified Fe_3O_4

2016-2017

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六、介孔碳及碳纳米材料

Mesoporous carbon and Carbon nanomaterials

7.1 CMK-8

2016-2017

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影响因子：5.886

2015-2016

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7.2 CMK-3

2016-2017

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影响因子：6.333

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影响因子：3.573

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1030. Fang, Liu, Yang, et al., Quartz crystal microbalance sensor based on molecularly imprinted polymer

membrane and three-dimensional Au nanoparticles@mesoporous carbon CMK-3 functional composite for ultrasensitive and specific determination of citrinin[J]. **Sensors and Actuators B: Chemical** 2016, *230*, 272-280.
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影响因子：8.142

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影响因子：4.803

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影响因子：3.926

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影响因子：7.145

2015-2016

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2014-2015

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影响因子：5.211

2012-2013

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7.3 多孔炭

Mesoporous Carbon

2016-2017

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影响因子：2.822

2012-2015

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影响因子：4.517
应用：生物检测

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影响因子：3.840
应用：电化学发光传感器

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影响因子：3.840
应用:生物检测

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影响因子：1.938
应用：电化学传感器

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影响因子：1.938
应用：电化学发光传感器

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7.4 活性炭

Active Carbon

2016-2017

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影响因子：2.437

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应用：锂电/超级电容器
影响因子：1.333

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应用：做阳极，钠离子电池

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2015-2016

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2012-2015

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八、高品质富勒烯

Fullerene

8.1 C60

2016-2017

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应用：传感器，检测双酚
影响因子：4.803

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应用：复合 TiO_2，光催化
影响因子：3.782

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应用：传感器，检测凝血酶

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影响因子：5.228

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影响因子：5.771

2015-2016

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