

### 1. [Kinetic analysis for cyclic CO<sub>2</sub> capture using lithium orthosilicate sorbents derived from different silicon precursors](#)

M Zhao, H Fan, F Yan, Y Song, X He, MZ Memon... - Dalton ..., 2018 - pubs.rsc.org

... nLi:nSi = 4:1. Six types of pure SiO<sub>2</sub>, namely SBA-15 (JCNANO, Nanjing, China), MCM-41 (JCNANO, Nanjing, China), ZSM-5 (JCNANO, Nanjing, China), fumed silica (S5130; Sigma-Aldrich, USA), precipitated silica (Sipernat-306; Evonik, Essen, Germany) and waste-derived ...

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### 2. [A voltammetric immunosensor for clenbuterol based on the use of a MoS<sub>2</sub>-AuPt nanocomposite](#)

R Ji, S Chen, W Xu, Z Qin, JF Qiu, CR Li - Microchimica Acta, 2018 - Springer

... in real pork samples. Experimental section. Chemicals. The MoS<sub>2</sub> nanosheets (Diameter 20–500 nm) were obtained from Nanjing JCNANO Technology Co., Ltd. (Nanjing, China, www.jcnano.com). Graphene oxide (GO) and ...

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[\[PDF\] cjmr.org](#)

### 3. [B, SG 及 MG 的添加对 Mg-Al 合金储氢性能的影响](#)

黄显吞, 卿培林, 石伟和 - 材料研究学报, 2018 - cjmr.org

... 首先将 Mg 粉(纯度 99.6%, 65 μm, Alfa Aesar)和 Al 粉(纯度 99.5%, 45 μm, Alfa Aesar)按 Mg:Al=2:3 的摩尔比均匀混合, 平均分 成四份, 然后在其中三份分别添加质量分数为 5%的 硼粉(标记为 B:纯度 99.5%, Alfa Aesar)、单层石墨烯 (标记为 SG:纯度 99.8%, 3 μm, Jcnano)以及多层石墨 烯 ...

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### 4. [Carboxylated carbon nanospheres as solid-phase extraction adsorbents for the determination of perfluorinated compounds in water samples by liquid ...](#)

X Wang, Y Zhang, FW Li, RS Zhao - Talanta, 2018 - Elsevier

... 2. Experimental. 2.1. Reagents. CNSs-COOH was obtained from Nanjing JCNANO Tech Co. Ltd ... We also thank Nanjing JCNANO Tech Co., Ltd. for providing data and figures about the raw CNSs and CNSs-COOH material. Recommended articles. Citing articles (0). References ...

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### 5. [Conductive Graphene–Melamine Sponge Prepared via Microwave Irradiation](#)

W Liu, H Jiang, Y Ru, X Zhang... - ACS applied materials & ..., 2018 - ACS Publications

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### 6. [3D nitrogen-doped graphene aerogels as efficient electrocatalyst for the oxygen reduction reaction](#)

Q Xue, Y Ding, Y Xue, F Li, P Chen, Y Chen - Carbon, 2018 - Elsevier

... 2. Experimental. 2.1. Materials. The PAA (molecular weight = 1,000, 5,000, 20,000, and 150,000) were purchased from Nitto Boseki Co., Ltd (Tokyo, Japan). GO was obtained from Nanjing JCNANO Technology Co., Ltd (Nanjing, China) ...

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[\[PDF\] electrochemsci.org](#)

7. [\[PDF\] Graphene-TiO<sub>2</sub> Nanocomposite-Modified Screen-Printed Electrode for Sensitive Nitrite Determination in Hot Spring Water](#)

X Li, S Hou, C Xie, G Fan - INTERNATIONAL JOURNAL OF ... , 2018 - electrochemsci.org

... commercially available from Sigma-Aldrich. Graphene oxide powder was commercially available from JCNANO, Inc. All other reagents were of analytical grade and used without additional purification. For the preparation of ...

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8. [Effective Catalyst for Oxidation Synthesis of 2, 4, 6-Trimethylbenzoyldiphenylphosphine Oxide: V/MCM-41](#)

T Wang, Z Wang, J Zhao, Q Yu, Z Wang - Catalysis Letters, 2018 - Springer

... Typically, vanadium precursor (NH<sub>4</sub>VO<sub>3</sub> or V<sub>2</sub>O<sub>5</sub>, Aladdin) and MCM-41 (JCNANO Tech Co., Ltd) were added to an agate mortar and manually ground for 0.5 h. The ground mixture was then transferred to a crucible and calcined in air at 550 °C for 4 h. The theoretical V ...

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9. [A rapid electrochemical sensor fabricated using silver ions and graphene oxide](#)

L Fu, A Wang, W Su, Y Zheng, Z Liu - Ionics, 2018 - Springer

... Sinopharm Chemical Reagent Co., Ltd. Graphene oxide (GO) powder was purchased from JCNANO, INC (China). All other chemicals used were analytical grade reagents without further purification. Phosphate buffer solutions (PBS ...

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[\[HTML\] springer.com](#)

10. [\[HTML\] Amperometric Biosensor of Matrix Metalloproteinase-7 Enhanced by Pd-Functionalized Carbon Nanocomposites](#)

Z Wei, H Wang, Z Ma, H Han - Nanoscale research letters, 2018 - Springer

... Methods. Material. H<sub>2</sub>AuCl<sub>4</sub> · 3H<sub>2</sub>O, H<sub>2</sub>PtCl<sub>4</sub> · 4-CN, glucose, H<sub>2</sub>O<sub>2</sub> (30%), thrombin of bovine serum (TBS) were purchased from Alfa Aesar (Tianjin, China). Graphene oxide (GO) was purchased from JCNANO (Nanjing, China) ...

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11. [Lanthanide-doped upconversion nanoparticles complexed with nano-oxide graphene used for upconversion fluorescence imaging and photothermal therapy](#)

P Li, Y Yan, B Chen, P Zhang, S Wang, J Zhou... - Biomaterials ... , 2018 - pubs.rsc.org

... LnCl<sub>3</sub> (>99.9%, Ln = Lu, Yb, and Er) was purchased from Aladdin Reagent Co., China. Graphene oxide powder (GO) (>99%) was purchased from JCNANO (Nanjing, China). All other chemical reagents were of analytical grade and directly used without further purification ...

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12. [Effects of hyperbranched polyamide functionalized graphene oxide on curing behaviour and mechanical properties of epoxy composites](#)

Z Qi, Y Tan, L Gao, C Zhang, L Wang, C Xiao - Polymer Testing, 2018 - Elsevier

... using the understanding of the curing kinetics. 2. Experimental. 2.1. Materials. GO with a purity of more than 95% were provided by Nanjing JCNANO Tech Co., Ltd, China. The hyperbranched polyamide (HBPA) was amino-ended ...

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[\[PDF\] researchgate.net](#)

### 13. [Sulfur-and Carbon-Codoped Carbon Nitride for Photocatalytic Hydrogen Evolution Performance Improvement](#)

H Tian, X Zhang, Y Bu - ACS Sustainable Chemistry & ..., 2018 - ACS Publications

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### 14. [\[PDF\] electrochemsci.org](#)

#### [\[PDF\] Development of a Graphene Oxide-ZnO Nanorod Composite for Sensitive Determination of Catecholamine](#)

F Zhang, D Li - INTERNATIONAL JOURNAL OF ..., 2018 - electrochemsci.org

... H<sub>2</sub>O<sub>2</sub> were commercially available from Sigma-Aldrich. Graphene oxide powder was commercially available from JCNANO, Inc. All other test reagents were of analytical grade and were used without further purification. For ...

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### 15. [Antibacterial graphene oxide coatings on polymer substrate](#)

Y Liu, J Wen, Y Gao, T Li, H Wang, H Yan, B Niu... - Applied Surface ..., 2018 - Elsevier

... formed antibacterial coatings. 2. Experiment. 2.1. Materials. GO dispersion was purchased from JCNANO Co. Inc., silicone rubber was provided by Jinan Chensheng Medical silicone rubber product Co. Ltd. Ethanol absolute ...

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[\[HTML\] springer.com](#)

### 16. [\[HTML\] Microstructural evolution of 96.5 Sn–3Ag–0.5 Cu lead free solder reinforced with nickel-coated graphene reinforcements under large temperature gradient](#)

G Chen, L Liu, VV Silberschmidt, C Liu, F Wu... - Journal of Materials ..., 2018 - Springer

... 2 Experimental. 2.1 Materials. SAC305 (wt%) lead-free solder powder with diameter of 25–45 μm was provided by Beijing Compo, China; multi-layer GNS nanosheets were purchased from JCNANO Materials Tech (China) at a size of 3–10 μm and thickness of 5–10 nm ...

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### 17. [Electrochemical sensor sensitive detection of chloramphenicol based on ionic-liquid-assisted synthesis of de-layered molybdenum disulfide/graphene oxide ...](#)

T Sun, H Pan, Y Mei, P Zhang, D Zeng, X Liu... - Journal of Applied ..., 2018 - Springer

... Graphene powder (> 99%) was purchased from JCNANO (Nanjing, China), bulk MoS<sub>2</sub> (99%) was provided by Sigma-Aldrich, [BMIM]BF<sub>4</sub> (97%) was purchased from MACKLIN (Shanghai, China), and dimethylformamide (DMF, >99.5%) and CAP (≥ 98%) was obtained from ...

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### 18. [Enhanced single-mode lasers of all-inorganic perovskite nanocube by localized surface plasmonic effect from Au nanoparticles](#)

J Yang, Z Liu, Z Hu, F Zeng, Z Zhang, Y Yao... - Journal of ..., 2019 - Elsevier

... 2.1. Sample preparation. Lead (II) bromide (PbBr<sub>2</sub>, 99.999%, Sigma-Aldrich), cesium bromide (CsBr, 99.9%, Adamas), N, N-dimethylformamide (DMF, 99.8%, Adamas), methanol (anhydrous, 99.8%), Au Nanoparticles (NPs) with a size of 38 nm were purchased from Jcnano ...

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## 19. [pH responsive label-assisted click chemistry triggered sensitivity amplification for ultrasensitive electrochemical detection of carbohydrate antigen 24-2](#)

Y Zheng, L Zhao, Z Ma - Biosensors and Bioelectronics, 2018 - Elsevier

... of tumor markers in clinical diagnosis. 2. Experimental. 2.1. Materials and apparatus.

Graphene oxide (GO) was obtained from Nanjing JCNANO Tech Co. Ltd (Nanjing, China). Ascorbic acid (AA, 99.7%), dopamine hydrochloride ...

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## 20. [Preparation of nickel-graphene composites by jet electrodeposition and the influence of graphene oxide concentration on the morphologies and properties](#)

L Ji, F Chen, H Huang, X Sun, Y Yan, X Tang - Surface and Coatings ..., 2018 - Elsevier

... The Cu sheet was employed as the substrate material with dimensions of 50.0 mm ×

30.0 mm × 0.20 mm. The GO in this study was an industrial monolayer GO

(JCGO-95-1-2.6) purchased from Nanjing JCNANO Technology Co., Ltd ...

[所有 2 个版本](#)

## 21. [Property control of graphene aerogels by in situ growth of silicone polymer](#)

S Zhou, X Zhou, G Hao, W Jiang, T Wang - Applied Surface Science, 2018 - Elsevier

... 2. Experimental section. 2.1. Chemicals and materials. All reagents were analytical grade, and without further purification. All solutions were made with deionized water.

Graphite oxide was supplied by Jcnano Co. Ltd, Nanjing, China ...

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## 22. [A novel immunoprobe composed of reduced graphene oxide-hemin-thionin-Au nanohybrid for ultrasensitive detection of tumor marker](#)

D Zhang, W Li, H Wang, Z Ma - Sensors and Actuators B: Chemical, 2018 - Elsevier

... 2.1. Materials and reagents. Thionine acetate, ascorbic acid (AA), hemin (ferriprotoporphyrin IX chloride, 98 wt%) and hydrogen tetrachloroaurate hydrate (HAuCl<sub>4</sub>·XH<sub>2</sub>O, 99.9%) were purchased from Alfa Aesar. Graphene oxide was obtained from JCNANO (Nanjing, China) ...

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## 23. [In-situ preparation of Pd nanoparticles in the pore channel of CMK-3 for Suzuki coupling reaction](#)

Y Liu, X Bai, S Li - Microporous and Mesoporous Materials, 2018 - Elsevier

... comparison. Catalytic performances of PdNPs/CMK-3 in Suzuki coupling reaction

were examined. 2. Experimental. 2.1. Materials. Mesoporous carbon materials

(CMK-3) were purchased from Nanjing Jcnano Co. Ltd. All chemicals ...

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## 24. [A photoelectrochemical sensing strategy based on single-layer MoS<sub>2</sub> modified electrode for methionine detection](#)

Y Li, S Mei, S Liu, X Hun - Journal of pharmaceutical and biomedical ..., 2019 - Elsevier

... and low cost way to detect Met. 2. Experimental section. 2.1. Reagents and

instruments. Bulk MoS<sub>2</sub> was obtained from Nanjing Jicang Nano Co. Ltd

(<http://www.jcnano.com/>; Nanjing, China). Graphite powder, paraffin and N,N ...

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## 25. [Freeze-drying assisted fabrication of highly homogenized reduced graphene oxide/alumina metacomposites with negative permittivity](#)

R Yin, X Huang, L Qian - *Ceramics International*, 2018 - Elsevier

... 2. Experimental. 2.1. Chemical and reagents. Graphene oxide (GO, sheet size 1–5 μm, thickness 0.8–1.2 nm, purity > 99%) was bought from Nanjing **JCNANO**. INC. Al<sub>2</sub>O<sub>3</sub> powders (purity 99.99%, particle size < 30 nm) were obtained from Hangzhou Wanjing New Material Co ...

[\[PDF\] researchgate.net](#)

## 26. [Soliton molecules in a fiber laser based on optic evanescent field interaction with WS<sub>2</sub>](#)

B Liu, Y Xiang, Y Luo, S Zhu, [Z Yan](#), [Q Sun](#), D Liu - *Applied Physics B*, 2018 - Springer

... 2 Fabrication of WS<sub>2</sub> SA. In the experimental, the few-layer WS<sub>2</sub> nanosheets are prepared by ultrasonic-assisted LPE method [28, 29, 40]. The powder of WS<sub>2</sub> -layered crystal (95%, **JCNANO**® JCWS) is first added into pure ethanol and stirred well ...

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## 27. [Dual-reaction triggered sensitivity amplification for ultrasensitive peptide-cleavage based electrochemical detection of matrix metalloproteinase-7](#)

Y Zheng, Z Ma - *Biosensors and Bioelectronics*, 2018 - Elsevier

... Trifluoroacetic acid (CF<sub>3</sub>COOH) was obtained from J&K Scientific Ltd. (Beijing, China). Calcium chloride was bought from Beijing Chemical Reagents Company (Beijing, China). Graphene oxide (GO) was obtained from Nanjing **JCNANO** Tech Co. Ltd. (Nanjing, China) ...

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## 28. [Long-term exposure to thiolated graphene oxide in the range of μg/L induces toxicity in nematode \*Caenorhabditis elegans\*](#)

X Ding, J Wang, Q Rui, D Wang - *Science of The Total Environment*, 2018 - Elsevier

... Our data implies the potential of environmental toxicity of GO-SH in the range of μg/L on organisms. 2. Materials and methods. 2.1. Characterization of GO-SH.

GO-SH was purchased from the **JCNANO** Co. (Nanjing, China). GO ...

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## 29. [Matching Relationship Between Carbon Material and Pd Precursor](#)

X Zhang, Y Du, H Jiang, Y Liu, R Chen - *Catalysis Letters*, 2019 - Springer

... All the chemicals were used as received: AC (Jiangsu Zhuxi AC Co., Ltd., China), MC (Nanjing **JCNANO** Technology Co., Ltd., China), palladium acetate (Pd(OAc)<sub>2</sub>) and palladium chloride (PdCl<sub>2</sub>) (Sin-Platinum Metals Co., Ltd, China), Palladium nitrate (Pd(NO<sub>3</sub>)<sub>2</sub>·2H<sub>2</sub>O ...

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## 30. [Light-driven self-powered biosensor for ultrasensitive organophosphate pesticide detection via integration of the conjugated polymer-sensitized CdS and enzyme ...](#)

P Gai, S Zhang, W Yu, H Li, F Li - *Journal of Materials Chemistry B*, 2018 - [pubs.rsc.org](#)

... Aldrich (St. Louis, MO, USA). Carbon nanotubes (CNTs) were purchased from

**JCNANO** (Shanghai, China). Chloroauric acid (HAuCl<sub>4</sub>·4H<sub>2</sub>O) was obtained from

Shanghai Chemical Reagent Co. Ltd (Shanghai, China). AuNPs ...

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31. [A turn-on competitive immunochromatographic strips integrated with quantum dots and gold nano-stars for cadmium ion detection](#)

M Xiao, Q Fu, H Shen, Y Chen, W Xiao, D Yan, X Tang... - Talanta, 2018 - Elsevier  
... Milwaukee, WI, USA). Isothiocyanobenzyl-EDTA (iEDTA) was purchased from Dojindo Laboratories (Kumamoto, Japan). AuNSs were purchased from JCNANO Tech Co (Nanjing, China). The nitrocellulose (NC) membrane ...

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32. [High-performance electrochemical mercury aptasensor based on synergistic amplification of Pt nanotube arrays and Fe<sub>3</sub>O<sub>4</sub>/rGO nanoprobe](#)

J Luo, D Jiang, T Liu, J Peng, Z Chu, W Jin - Biosensors and Bioelectronics, 2018 - Elsevier  
... Ltd., China. Graphene oxide powder (1–5 μm, 99%) was provided by Nanjing JCNANO Tech Co., Ltd., China. Hexamethylenetetramine (HMTA, 99%), 1-pyrenebutanoic acid succinimidyl ester (PASE) was brought from Aladdin, China ...

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33. [Effect of substrate on formation and nanofiltration performance of graphene oxide membranes](#)

M Zhang, J Sun, Y Mao, G Liu, W Jin - Journal of Membrane Science, 2019 - Elsevier  
... 2. Experimental. 2.1. Materials. GO powders prepared by modified Hummer's method were purchased from Nanjing JCNANO Tech Co., Ltd., China. The GO nanosheets have lateral size of 1–5 μm, thickness of 1–2 nm and single layer ratio of > 99 ...

[\[HTML\] rsc.org](#)

34. [\[HTML\] Nut-like MOF/hydroxylated graphene hybrid materials for adsorptive desulfurization of thiophene](#)

K Yang, Y Yan, W Chen, H Kang, Y Han, W Zhang... - RSC Advances, 2018 - pubs.rsc.org  
... (Tianjin, China). 1,3,5-Benzenetricarboxylic acid (H<sub>3</sub> BTC) was supplied by Aladdin Reagent Co., Ltd. (Shanghai, China). Graphene was purchased from JCNANO Tech Co., Ltd. (Nanjing, China). 2.2 Synthesis of materials ...

[\[PDF\] electrochemsci.org](#)

35. [\[PDF\] Development of a Graphene Based Electrochemical Sensor for the Determination of 9-hydroxyrisperidone in Human Blood Plasma](#)

W Zhang, Y Wang - INTERNATIONAL JOURNAL OF ..., 2018 - electrochemsci.org  
... Page 3. Int. J. Electrochem. Sci., Vol. 13, 2018 2619 2. EXPERIMENTS 2.1. Chemicals Graphene oxide powder was purchased from JCNANO, INC. Acetylcholine (Ach), glucose, 3-hydroxytyramine hydrochloride (DA), uric acid (UA), poly(diallyl dimethyl ammonium chloride) ...

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36. [Three-dimensional Si/hard-carbon/graphene network as high-performance anode material for lithium ion batteries](#)

M Jiao, J Qi, Z Shi, C Wang - Journal of Materials Science, 2018 - Springer  
... The Si nanoparticles with a diameter of 30 nm were purchased from Shanghai cw-nano Technology Ltd. The graphene was purchased from Jcnano Inc. All the reagents were used without further purification. Experimental procedures ...

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### 37. [Low-temperature solution processed flexible silver nanowires/ZnO composite electrode with enhanced performance and stability](#)

Y Tang, H Ruan, H Liu, J Zhang, D Shi, T Han... - Journal of Alloys and ..., 2018 - Elsevier

... The Ag NWs were purchased from Nanjing JCNANO Tech Co., Ltd with concentrations of 2 mg/ml in isopropyl alcohol (IPA) with average diameter of 25 nm and length of 20–30 μm. The Ag NWs TCE was prepared by spin-coating method ...

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### 38. [Label-free electrochemical aptasensor for detection of alpha-fetoprotein based on AFP-aptamer and thionin/reduced graphene oxide/gold nanoparticles](#)

G Li, S Li, Z Wang, Y Xue, C Dong, J Zeng... - Analytical ..., 2018 - Elsevier

... Bovine serum albumin (BSA), Human serum albumin (HSA) and HAuCl<sub>4</sub> were supplied by Sangon Biotech (Shanghai, China). Graphene oxide (GO) was purchased from Nanjing Jcnano Tech Co., Ltd (Nanjing, China). Thionin ...

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[\[PDF\] researchgate.net](#)

### 39. [Catalytic effect of graphene on the hydrogen storage properties of Mg-Li alloy](#)

W Huanjian, S Zhenzhen, D Jiaqi, N Hua... - Materials Chemistry and ..., 2018 - Elsevier

... h in n-heptane liquid. Afterwards, the as-milled powders were dried under argon atmosphere, mixed with xwt.% (x = 0,1,3,5) of graphene (Analytical reagent), purchased from JCNANO Technologic Co. Ltd., and milled for another ...

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### 40. [Nanosecond-pulsed Q-switched Nd: YAG laser at 1064 nm with a gold nanotriangle saturable absorber](#)

X Chen, P Li, Y Dun, T Song, B Ma - Applied Physics B, 2018 - Springer

... is much lower [16, 19]. 2 The fabrication and characterization of the GNTs-SA. The GNT solution was provided by the JCNANO Corporation. GNTs were synthesized by the seed-mediated growth method. First, 0.1 ml of 24.33 ...

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### 41. [Impact of graphene oxide on dye absorption in composite hydrogels](#)

L Thompson, L Fu, J Wang, A Yu - Fullerenes, Nanotubes and ..., 2018 - Taylor & Francis

... Methacrylic acid (99%), potassium persulfate, dopamine hydrochloride (DA), Tris salt, methylene blue and methyl red were all purchased from Sigma Aldrich. Graphene oxide (GO) powder was purchased from JCNANO, Inc (China). N, N 0 methyl bisa ...

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[\[PDF\] wqjin-group.com](#)

### 42. [One-step synthesis of three-dimensional Co \(OH\) 2/rGO nano-flowers as enzyme-mimic sensors for glucose detection](#)

D Jiang, Z Chu, J Peng, J Luo, Y Mao, P Yang, W Jin - Electrochimica Acta, 2018 - Elsevier

... range of NaOH. 2. Experimental section. 2.1. Reagents and apparatus. Graphene oxide was obtained from Jcnano Technology Co. Cobalt nitrate hexahydrate (Co(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O, AR) was from Aladdin Reagent. Uric acid (UA ...

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43. [Trimetallic Hybrid Nanoflower-Decorated MoS<sub>2</sub> Nanosheet Sensor for Direct in Situ Monitoring of H<sub>2</sub>O<sub>2</sub> Secreted from Live Cancer Cells](#)

B Dou, J Yang, R Yuan, [Y Xiang](#) - Analytical chemistry, 2018 - ACS Publications

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44. [Preparation of a novel composite phase change material \(PCM\) and its locally enhanced heat transfer for power battery module](#)

D Zou, X Liu, R He, SX Zhu, J Bao, J Guo, Z Hu... - Energy Conversion and ..., 2019 - Elsevier ... Wax Co., Ltd., China. Graphene which has a thickness of 4–7 nm and plane diameter of 80 × 80 μm, MWCNT with a length of 10 μm and diameter of 11 nm were purchased from [JCNANO](#) Tech Co., Ltd., China. EG as the promoter ...

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45. [Advanced-performance lithium-sulfur batteries with functional carbon interlayers modified by magnetron sputtering](#)

J Zhang, H Li, Y Pan, H Zheng, Y Wang, Q Tang... - Ionics, 2018 - Springer

... Experimental details Synthesis of S-AC cathode materials Sublimed sulfur was adopted as the active material, with the activated carbon (specific surface area 1800 m<sup>2</sup>/g, average pore diameter 2.0~2.2 nm, [JCNANO](#), Nanjing) as the conduc- tive matrix ...

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46. [A common anchor facilitated GO-DNA nano-system for multiplex microRNA analysis in live cells](#)

J Yu, S He, C Shao, H Zhao, J Li, L Tian - Nanoscale, 2018 - pubs.rsc.org

... Experimental section. Chemicals and materials. All the DNA sequences were purified by HPLC and purchased from Sangon Biotech Co., Ltd (Shanghai, China). GO was obtained from [JCNANO](#) Tech Co., Ltd (Nanjing, China) ...

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47. [Size characterization of silver nanoparticles after separation from silver ions in environmental water using magnetic reduced graphene oxide](#)

L Luo, Y Yang, H Li, R Ding, Q Wang, Z Yang - Science of The Total ..., 2018 - Elsevier

... Ltd., China) was used to prepare the stock solution, and the calibration curves used freshly diluted stock solutions before each use as follows: 0, 0.05, 0.2, 0.5, 1, 2, 5 μg/L (2% HNO<sub>3</sub>, v/v). Graphene oxide powder was obtained from [JCNano](#) Co., Ltd ...

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[\[PDF\] electrochemsci.org](#)

48. [\[PDF\] A novel beta-cyclodextrin Functionalized Reduced Graphene Oxide Electrochemical Sensor for Blood Glucose Detection](#)

L Wang, X Wang, R Zheng, Y Zhang... - INTERNATIONAL ..., 2018 - electrochemsci.org

... developed β-CD/RGO/GCE has been realized for sensing glucose in blood specimens.

2. EXPERIMENTS 2.1. Chemicals and instrumentation Graphene oxide (GO) powder

was commercially available from [JCNANO](#), INC. Glucose, β ...

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49. [A polyhedral oligomeric silsesquioxane/molecular sieve codoped molecularly imprinted polymer for gastroretentive drug-controlled release in vivo](#)

X Wang, FF Yang, LP Zhang, YP Huang, ZS Liu - Biomaterials science, 2018 - pubs.rsc.org

... Mobil composition of matter no. 41 (MCM-41) was obtained from JCNANO Reagent Co., Ltd (Nanjing, China). 3-(Trimethoxysilyl)propyl methacrylate ( $\gamma$ -MPS, 98%) was obtained from Acros Organics Co., Ltd (Geel, Belgium) ...

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50. [Activation of Persulfate with Dual-doped Reduced Graphene Oxide for Degradation of Alkylphenols](#)

Q Wang, L Li, L Luo, Y Yang, Z Yang, H Li... - Chemical Engineering ..., 2019 - Elsevier

... A-D16 and 4-n-nonylphenol-D8 were used as internal standards. GO powder was purchased from JCNANO Co., Ltd. (Nanjing, China). Potassium persulfate, ammonium nitrate, diphenyl disulfide (DDS), humic acid (HA) dry ...

51. [Hollow porous dummy molecularly imprinted polymer as a sorbent of solid-phase extraction combined with accelerated solvent extraction for determination of eight ...](#)

J Zhang, Y Chen, W Wu, Z Wang, Y Chu, X Chen - Microchemical Journal, 2019 - Elsevier

... (Shanghai, China). MCM-48 was purchased from Nanjing Jcnano Technology Co., Ltd. (Nanjing, China). All of the reagents above were of analytical grade. Chromatographic grade methanol and acetonitrile were obtained from Fisher Scientific (FairLawn, NJ, USA) ...

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52. [High-content analysis for mitophagy response to nanoparticles: A potential sensitive biomarker for nanosafety assessment](#)

C He, S Jiang, H Yao, L Zhang, C Yang, S Jiang... - ..., Biology and Medicine, 2019 - Elsevier

... The SPIO-NPs were synthesized according to previous methods. 23 CdTe-QDs and Au-QDs were gifts from Dr. Xiangyang Liu (Fujian Provincial Key Laboratory for Soft Functional Materials Research, Xiamen University). GO-QDs were obtained from JCNANO (Nanjing, China) ...

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53. [Fabrication of an efficient surface ion-imprinted polymer based on sandwich-like graphene oxide composite materials for fast and selective removal of lead ions](#)

R Huang, N Shao, L Hou, X Zhu - Colloids and Surfaces A ..., 2019 - Elsevier

... II). 2. Materials and Methods. 2.1. Reagents and materials. GO was produced by

Nanjing JCNANO Co., Ltd. 3-(methacryloyl) propyl-trimethoxysilane (MPS) and 2,2'-azobisisobutyronitrile (AIBN) were obtained from Aladdin ...

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D Zou, X Ma, X Liu, P Zheng, Y Hu - International Journal of Heat and Mass ..., 2018 - Elsevier

... Graphene which has a thickness of 4–7 nm and plane diameter of 80 \* 80 um, MWCNT with a length of 10um and diameter of 11 nm were purchased from JCNANO Tech Co., Ltd. As shown in Fig. 1, Carbon additives/paraffin ...

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FF Yang, ZX Li, YJ Xu, YP Huang, ZS Liu - Analytical and bioanalytical ..., 2018 - Springer

... Polyhedral oligomeric silsesquioxanes (POSS) was obtained from Hybrid Plastics Reagent Co. Ltd. (Hunan, China). Mesoporous molecular sieve (MCM-41) was from JCNANO Reagent Co. Ltd. (Nanjing, China). Acetonitrile ...

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56. [Damage Detection for Composites Using Carbon Nanotube Film and Electrical Impedance Tomography Technology](#)

Z YANG, G YAN - Advanced Experimental Mechanics, 2018 - jstage.jst.go.jp

... criteria. Finally, the validity of this method is well confirmed by experiment results.

2. Experiment Setup In the experimental study, a 2 mm-thick GFRP plate with a CNT film (JCNTF-20C, JCNANO Tech Co., Ltd) is considered. The ...

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57. [A functional separator modified by synergistic MoS2 and activated carbon for improved-performance lithium sulfur batteries](#)

Y Pan, H Li, Y Chen, J Zhang, Q Tang... - Materials Research ..., 2019 - iopscience.iop.org

... MoS<sub>2</sub> (purity 99.5%, particle size < 2.0 μm) and AC (specific surface area 1800 m<sup>2</sup>g<sup>-1</sup>, average pore diameter 2.0–2.2 nm, made by JCNANO, Nanjing.) were individually mixed with polyvinylidene fluoride (PVDF, 99.5 wt%) at the mass ratio of 9 to 1, then the each was mixed ...

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58. [Enhanced interfacial contact of dopamine bridged melamine-graphene/TiO<sub>2</sub> nano-capsules for efficient photocatalytic degradation of gaseous formaldehyde](#)

M Zhu, Y Muhammad, P Hu, B Wang, Y Wu... - Applied Catalysis B ..., 2018 - Elsevier

... Chemical Reagent Co., Ltd. Chengdu, China. Natural graphite flake (7–10 nm) was purchased from JCNANO Co., Ltd. Nanjing, China. 2.2. Synthesis of catalysts.

2.2.1. Synthesis of TiO<sub>2</sub> nanosphere. 0.8 mL tetrabutyl titanate ...

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S Chen, S Li, S Peng, Y Huang, J Zhao... - Journal of ..., 2018 - iopscience.iop.org

... The AgNW network was then formed on the oxygen plasma treated PDMS substrate by bar-coating an AgNW suspension (Nanjing JCNANO) with a concentration of 3 mg/ml at different speeds twice along two perpendicular directions, followed by a drying process at 100 °C for ...

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X Bai, B Chen, F Yang, X Liu, D Silva-Nunes... - RSC Advances, 2018 - pubs.rsc.org  
... and materials in the future. 2. Experimental. 2.1 Zeolite sample preparation. Samples of SAPO-34 powders with Si/P/Al = 0.4 : 1 : 1 were purchased from Nanjing JCNANO Tech Co., Ltd., Nanjing, China. Samples for the normal ...

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H Wu, R Liu, X Kang, C Liang, L Lv, Z Guo - Microchimica Acta, 2018 - Springer  
... use. SWCNHs was purchased from Nanjing Jicang Nanotechnology Co.Ltd. (Nanjing, China, <http://www.jcnano.com>). Exo III was purchased from Takara Biotechnology Co.Ltd. (Dalian, China, <http://www.takarabiomed.com>) ...

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L Zheng, C Zhang, J Ma, S Hong, Y She... - Analytical ..., 2018 - Elsevier  
... LICP. CAS, China. H<sub>2</sub>AuCl<sub>4</sub> · 4H<sub>2</sub>O was procured from Sinopharm Chemical Reagent Beijing Co., Ltd. (Beijing, China). Graphene (>95%; diameter: 20–40 nm) was purchased from JCNANO Tech Co., Ltd. (Nanjing, China) ...

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J Wei, X Cao, T Wang, H Liu, X Tang, X Zeng... - Catalysis Science & ..., 2018 - pubs.rsc.org  
... 2,5-Bishydroxymethylfuran (BHMF, 95%) was purchased from Bepfarm Co. Ltd (Shanghai, China). Ba(NO<sub>3</sub>)<sub>2</sub> was supplied by Xilong Chemical Co. Ltd (Guangzhou, China). Zeolite SBA-15 was obtained from Nanjing JCNANO Technology Co. Ltd (Nanjing, China) ...

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J Cheng, Y Li, L Hu, J Liu, J Zhou, K Cen - Fuel Processing Technology, 2018 - Elsevier  
... 2.1. Materials. SBA-15 with a pore diameter of 4.3 nm was purchased from Nanjing JCNANO Technology Co., LTD., Nanjing, Jiangsu, China; SBA-15 with other pore diameters were purchased from Hangzhou Nasenmei Nano-material Co., Ltd., Hangzhou, Zhejiang, China ...

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66. [Strongly coupled calcium carbonate/antioxidative graphite nanosheets composites with high cycling stability for thermochemical energy storage](#)

R Han, J Gao, S Wei, Y Su, F Sun, G Zhao, Y Qin - Applied Energy, 2018 - Elsevier

... 2. Experimental. 2.1. Preparation of samples. Expanded graphite was obtained from intercalated graphite (99.0%, JCNano Ltd.) after thermal treatment (800 °C for 30 s) in an electric muffle furnace under atmospheric conditions ...

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67. [Incorporating attapulgite nanorods into graphene oxide nanofiltration membranes for efficient dyes wastewater treatment](#)

CY Wang, WJ Zeng, TT Jiang, X Chen... - Separation and ..., 2018 - Elsevier

... Graphene oxide (JCGO-99-1-2, diameter of 1–5 μm, thickness of 0.8–1.2 nm, purity > 99%) was purchased from Nanjing JCNANO Technology Co., Ltd and attapulgite powder (JC-TW03, average size of 7 μm) was provided by Jiangsu Jiuchuan Nanomaterial Technology Co ...

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S Yu, Z Liu, H Li, J Zhang, X Yuan, X Jia, Y Wu - Analyst, 2018 - pubs.rsc.org

... Ltd (Shanghai, China). GO was purchased from Nanjing JCNANO Technology Company (Nanjing, China). Deionized water (Millipore) with a resistivity of 18 MΩ cm<sup>-1</sup> was used in all the experiments. Fabrication of Fe<sub>3</sub>O<sub>4</sub>@GO@Ag particles ...

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ZQ Liu, Z Li, YX Yang, YL Zhang, X Wen, N Li, C Fu... - Polymers, 2018 - mdpi.com

... Carbon nanotube (10–30 nm, purity > 99%) was supplied by Chengdu Organic Chemicals Co. Ltd., Chinese Academy of Sciences (Chengdu, China). Graphite (325 mesh, purity > 99%) was purchased from Nanjing JCNANO Technology Co., Ltd. (Nanjing, China) ...

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71. [In situ reduction of graphene oxide in the poly \(vinyl alcohol\) matrix via microwave irradiation](#)

J Zhang, Y He, P Zhu, S Lin, S Ju... - Polymer Composites, 2019 - Wiley Online Library

... Poly (vinyl alcohol) (PVA) was purchased from Shanghai Zhanyun Chemical (Mw 74,800–79,200).

GO sheets with different lateral diameters, ie, 0.1–5 μm (S-GO) and 50–100 μm (L-GO), were

purchased from JCNANO, which were synthesized by the Hummers method ...

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Q Wei, XM Pang, JX Zhou, C Chen - Solar Energy, 2018 - Elsevier

... surface of the substrate. Micro( $\sim 2 \mu\text{m}$ ) and nano( $\sim 50 \text{nm}$ ) particles of Ni(99.5% pure) and Mo (99.5% pure) and TiC micro (particle size  $\sim 2 \mu\text{m}$ , 99.5% pure) were purchased from JCNANO Inc. Commercially pure Ni, Mo ...

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H Li, B Hou, J Wang, C Qin, M Zhong, X Huang, L Jia... - Molecular ..., 2018 - Elsevier

... It should be noted that HB has similar Si/Al ratio to HAS. The conventional Beta zeolite with the similar Si/Al ratio to HB was purchased from Nanjing JCNANO. The same ion exchange procedure was taken for the conventional Beta zeolite, and was named as CB ...

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## 74. Electrochemical Deposition of Gold Nanoparticles on Reduced Graphene Oxide by Fast Scan Cyclic Voltammetry for the Sensitive Determination of As (III)

G Zhao, G Liu - Nanomaterials, 2019 - mdpi.com

... (c). Arsenic trioxide ( $\text{As}_2\text{O}_3$ ) was purchased from Aldrich (Sigma-Aldrich, Saint Louis, MO, USA) and then dissolved in 1.0 M aqueous NaOH to create a 1000 mg/L solution. GO was obtained from Nanjing JCNANO Materials Tech Co., Ltd. (Nanjing, China) ...

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S Wang, X Hun, X Luo - Sensors and Actuators B: Chemical, 2018 - Elsevier

... at low levels. 2. Experimental. 2.1. Reagents and apparatus. Graphene power was purchased from JCNANO. Glutathione disulfide (GSSG) and glutathione (GSH) were purchased Aladdin Chemistry Co. Ltd. Chlorauric acid ...

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## 76. Template synthesis of hierarchical mesoporous $\delta$ -MnO<sub>2</sub> hollow microspheres as electrode material for high-performance symmetric supercapacitor

W Xiao, W Zhou, H Yu, Y Pu, Y Zhang, C Hu - Electrochimica Acta, 2018 - Elsevier

... (Shanghai, China). Tiny GO sheets were commercially available from Nanjing JCNANO Technology Co., Ltd. (Nanjing, China). All the reagents were directly used as received and deionized water was used throughout this work. 2.2 ...

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ZA Zafar, S Imtiaz, R Li, J Zhang, R Razaq, Y Xin, Q Li... - Solid State Ionics, 2018 - Elsevier

... configurations. Fig. 1 (top) shows schematically fabrication of the Al/CMK-3 pouch cells.

CMK-3 (JCNANO INC.) was used as received without any further treatments. Highly amorphous nature of CMK-3 is confirmed by XRD (Fig. S1) ...

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TSH Pham, [PJ Mahon](#), [G Lai](#), [A Yu](#) - *Electroanalysis*, 2018 - Wiley Online Library

... methods. 2 Experimental. 2.1 Materials. Graphene Oxide (GO) was purchased from

[JCNANO](#), INC Advanced Materials Supplier (China). Beta cyclodextrin ( $\beta$ -CD) was

obtained from Sinopharm chemical reagent factory (China) ...

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[J Ning](#), [L Liu](#), [X Luo](#), [M Wang](#), [D Liu](#), [R Hou](#), [D Chen](#)... - *Molecules*, 2018 - mdpi.com

... 2. Experimental Section. 2.1. Reagents and Materials. Meso-tetra(4-sulfophenyl)-porphyrin (TSPP)

was commercially obtained from Sigma-Aldrich (Osaka, Japan). Multi-walled carbon nanotubes

(MWCNTs) were purchased from [Jcnano](#) Technology Co., Ltd. (Nanjing, China) ...

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## 80. [Graphene enhanced optical fiber SPR sensor for liquid concentration measurement](#)

[X Zhou](#), [X Li](#), [TL Cheng](#), [S Li](#), [G An](#) - *Optical Fiber Technology*, 2018 - Elsevier

... The commercially available chemical vapor deposition (CVD) graphene film is synthesized on

a copper (Cu) substrate (Nanjing [JCNANO](#) Inc.) with a layer of PMMA coating on the graphene

surface. The transfer of graphene follows seven steps, as shown in Fig ...

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... Vol. 26, No. 19 | 17 Sep 2018 | OPTICS EXPRESS 25295 Page 4. angle of  $8^\circ$  to reduce

the Fresnel reflection from the fiber end. A 10-layer graphene diaphragm ([JCNANO](#) Tech)

is glued on the top of the sleeve with UV-curable adhesive ...

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[YH Lin](#), [SX Zhuang](#), [YL Wang](#), [S Lin](#)... - *Journal of cellular ...*, 2019 - Wiley Online Library

... Mounting medium containing 4',6-diamidino-2-phenylindole (DAPI) was obtained from

Vector Laboratories (Burlingame, CA). GQDs (20 mg/ml dose, JCGD-1-15-W) suspension

was purchased from [JCNANO](#) Company (Nanjing, PR China) ...

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KW Bostick, AR Zimmerman... - *Frontiers in Earth ...*, 2018 - [digitalcommons.odu.edu](#)

... Additional reference materials analyzed included pristine multiwall carbon nanotubes (750nm diameter; from SinoNano Tech Corp.) and graphene oxide (from JCNANO) which were considered semi-pure forms of condensed aromatics ...

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Q Mi, Q Wang, S Zang, Z Chai, J Zhang, X Ren - *Nanotechnology*, 2018 - [iopscience.iop.org](#)

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Y Chen, M He, J Tang, GC Bazan... - *Advanced Electronic ...*, 2018 - *Wiley Online Library*

... Chemicals and Materials: All the chemicals used in the experiments were purchased and used without further purification, including Co NWs (JCNANO Tech Co., Ltd.), PVDF (weight-average molecular weight = 900 kDa, Arkem, Ltd.), DMF (J&K Scientific, Ltd.), and Co ...

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J Li, W Zhang, H Lei, B Li - *Nano Research*, 2018 - *Springer*

... The MoS<sub>2</sub> monolayer dispersed on a Si substrate coated with a SiO<sub>2</sub> layer was provided by Nanjing JCNANO Tech Co., Ltd., China. The optical images, photoluminescence (PL) spectra, and Raman scattering spectra of a typical MoS<sub>2</sub> monolayer are shown in Fig ...

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Y Hu, M Li, G Hou, S Xu, K Gong, X Liu, X Han, X Pan... - *Nano Research*, 2018 - *Springer*

... nanopores, which is of interest in other fields. 4 Methods 4.1 Samples ZSM-22 (molar ratio of Si/Al = 160), MCM-41, and SBA-15 were purchased from Nanjing JCNANO Technology Co. Ltd. MCM-41 and SBA-15 were used without ...

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T Xiong, TL Tan, L Lu, WSV Lee... - Advanced Energy ..., 2018 - Wiley Online Library

... from Sigma-Aldrich. Carbon paper (without Micro Porous Layer and PTFE, 0.18 mm,

77% porosity) was purchased from CeTech Co. Ltd. CVD graphene was purchased

from JCNANO Co. Ltd. (China). Conventional wheat flour ...

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