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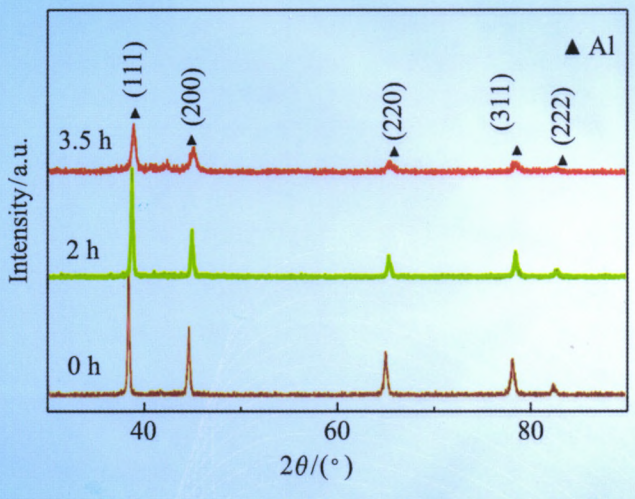
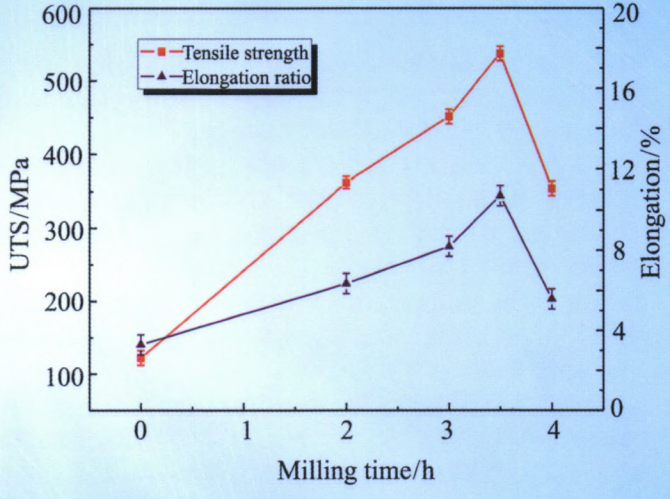


XRD patterns of Al powders mechanical milling for varuous time



Variations in ultimate tensile strength(UTS) and elongation of the bulk Al as a function of milling duration

中 国 化 学 会 主办
中国科学院长春应用化学研究所
科 学 出 版 社 出版
http://yyhx.ciac.jl.cn

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* 通讯联系人.

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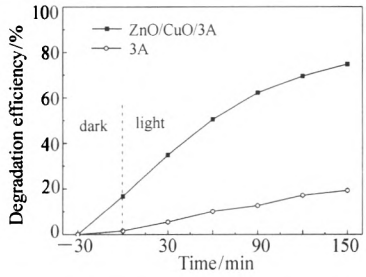
Preparation and Visible Light Denitrification Performance of Copper Oxide/Zinc Oxide/3A Molecular Sieve Photocatalyst

CHEN Feng, HUANG Yingying, YAN Guiyang*, FAN Haimei, HUANG Renkun

2015,32(9):1040-1047

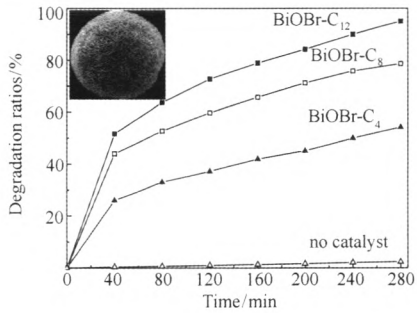


CuO/ZnO/3A composite photocatalyst was prepared by impregnation and calcined at 400 °C with 9.8% of zinc and 28.6% of copper enabled 74.78% denitrification of the simulated oil system.

Ionic Liquid Assisted Synthesis of Hierarchical BiOBr Crystals and Its Application in Visible Photocatalytic Degradation of Aniline

ZHANG Jun*, LI Jingjing, BAI Xiaokang, LI Huabo, YAO Hairui, DU Xigang

2015,32(9):1048-1054

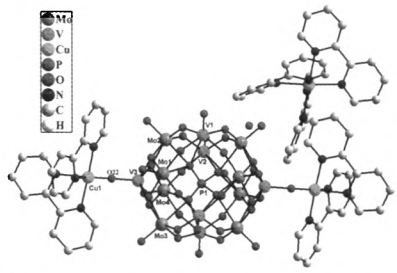


Petal-like flakes clustered BiOBr micro crystalline synthesized by using ionic liquid [$C_n$mim]Br as bromo source and soft template reveal excellent catalytic performance for the visible photocatalytic degradation of aniline.

Hydrothermal Synthesis, Structure Characterization and Magnetism Property of a New Bi-capped Keggin Polyoxometalate

ZHANG Chunfeng, SUN Yinghua*

2015,32(9):1055-1060

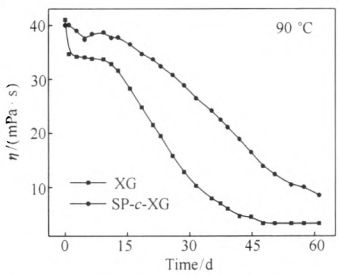


A new bi-supporting heteropolyoxometalate exhibits an extended three-dimensional supramolecular network.

Synthesis of Sodium Trimetaphosphate Crosslinked Xanthan Gum and Rheological Properties of Its Aqueous Solution

LIU Ru, LI Haiping, HOU Wanguo*

2015,32(9):1061-1069

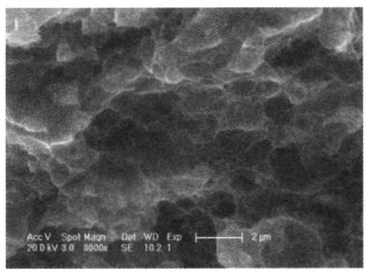


The SP-c-XG solution derived from xanthan gum(XG) crosslinked by sodium trimetaphosphate(STMP) exhibited higher elasticity and temperature resistance compared to the XG solution.

Synthesis and Mechanical Performances of Bulk Ultrafine Aluminum

TANG Huaguo, ZHAO Wei, LIU Jianwei, ZHAO Zhenye, MA Xianfeng*

2015,32(9):1070-1074

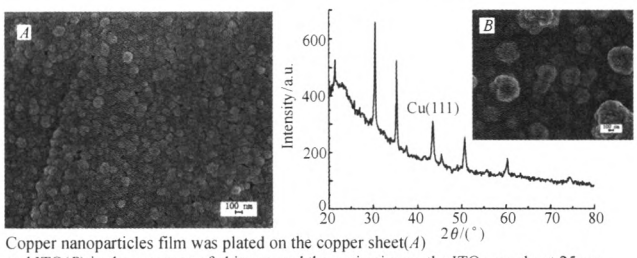


Bulk Al has been prepared by mechanical alloying and press-forming, and the high strength of pure aluminum is benefit from the fine grain size

Preparation of Nano-porous Copper Film with Bio-gel Plating

ZHOU Nianyun , YU Hongkun*

2015,32(9):1075-1080



Copper nanoparticles film was plated on the copper sheet(*A*) and ITO(*B*) in the presence of chitasan and the grain size on the ITO was about 25 nm.

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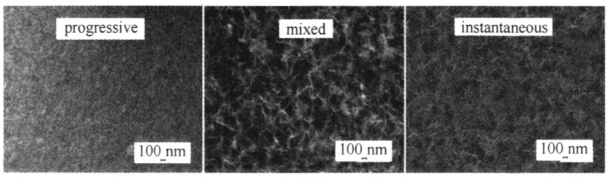
Electrodeposition of Manganese Dioxide: The Nucleation Mechanism and Capacitance Performance

FENG An, FAN Lijun, CAI Tao, LI Wenpo*

2015,32(9):1081-1087

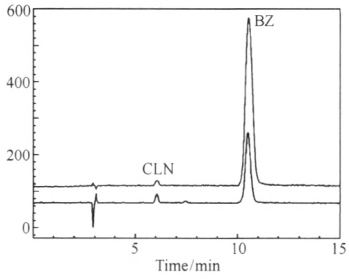


SEM of MnO_2 electrodes with three different electrodeposition nucleation mechanisms

Removal of the Main Impurity from Benzafibrate by a Precipitation Method with Carbon Dioxide

WU Jie*, ZHANG Haijiang, YANG Guojun, WU Xiaochao

2015,32(9):1088-1092

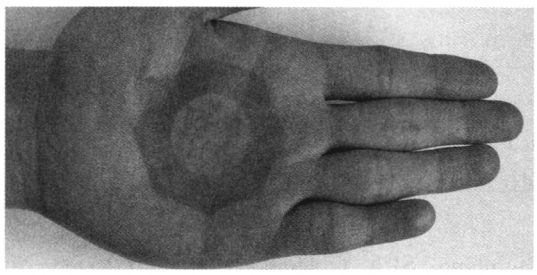


In stead of the repeated recrystallization, precipitation method with carbon dioxide was used to effectively remove the impurity of starting material form benzafibrate in the post-processing of synthesis.

Chromogenic Detection of Imprints Left by Zinc Coatings on Human Skins by 2-(5-Bromo-2-pyridylazo)-5-(diethylamino)phenol

XING Zhuo, YANG Ruiqin*

2015,32(9):1093-1098



The latent imprint lift by zinc coatings on hand skin was detected by chromogenic reagent of 5-Br-PADAP

* To whom correspondence should be addressed

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