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Patents by Inventor Guangyu Zhao

Guangyu Zhao has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been granted by the United States Patent and Trademark Office (USPTO).

MANGANESE-DOPED NICKEL MOLYBDATE ELECTRODE MATERIAL AND METHODS FOR PREPARING THE SAME

Publication number: 20210147249

Abstract: The present invention provides a method for producing a manganese-doped nickel molybdate electrode material including mixing a nickel salt solution with a manganese salt solution to form a mixture; adding a molybdate solution into the mixture and being subject to a thermal reaction; and obtaining the manganese-doped nickel molybdate electrode material after washing and drying of the reaction product. The nickel salt includes one or more of nickel nitrate, nickel chloride, and nickel acetate; the manganese salt includes one or more of manganese chloride, manganese nitrate, and manganese sulfate; and the molybdate includes one or more of sodium molybdate or ammonium molybdate. The present method utilizes a single reaction to produce a Mn-doped NiMoO₄ electrode material, which does not require using nickel molybdate as an intermediate product. The method simplifies the preparation process and makes it easy to be adjusted, thereby improving the electrochemical properties of the electrode material.

Type: Application

Filed: April 2, 2020

Publication date: May 20, 2021

Inventors: Haiqun CHEN, Qun CHEN, Guangyu HE, Junwu ZHU, Xiaowei YANG, Yongsheng FU, Weidong CHEN, Hanming WANG, Dachuan YAO, Yitao ZHAO, Jingjing YUAN, Ling JIANG, Qingli HAO

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including receiving, from a base station, a physical downlink control channel (PDCCH); predicting aggregation level information including information about an aggregation level of a control channel element (CCE) in which the PDCCH is received based on an aggregation level prediction model; determining a detection order for detecting the PDCCH based on the aggregation level information; and detecting the PDCCH based on the determined detection order.

Type: Application

Filed: October 23, 2020

Publication date: April 29, 2021

Applicant: SAMSUNG ELECTRONICS CO., LTD.

Inventors: Ranran ZHANG, Guangyu Sun, Zhigang Wang, Jiangbo Guo, Xiaohui Yang, Yi Zhao

Immunogenic composition for MERS coronavirus infection

Patent number: 9889194

Abstract: Described herein are immunogenic compositions for preventing infection with Middle East respiratory syndrome coronavirus (MERS-CoV) wherein the immunogenic compositions comprise at least a portion of the MERS-CoV S protein and an immunopotentiator.

Type: Grant

Filed: February 28, 2014

Date of Patent: February 13, 2018

Assignee: New York Blood Center, Inc.

Inventors: Shibo Jiang, Lanying Du, Yusen Zhou, Guangyu Zhao

Immunogenic Composition for MERS Coronavirus Infection

Publication number: 20160296617

Abstract: Described herein are immunogenic compositions for preventing infection with Middle East respiratory syndrome coronavirus (MERS-CoV) wherein the immunogenic compositions comprise at least a portion of the MERS-CoV S protein and an immunopotentiator.

Type: Application

Filed: February 28, 2014

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OLIGOMERIC INFLUENZA IMMUNOGENIC COMPOSITIONS**Publication number:** 20160000900

Abstract: Embodiments are provided for network resource allocation considering user experience, satisfaction, and operator interest. An embodiment method by a network component for allocating network resources includes evaluating, for a user, a QoE for each flow of a plurality of flows in network traffic in accordance with a QoE model, and further evaluating, for an operator, a revenue associated with the flows in accordance with a revenue model. A plurality of priorities that correspond to the flows are calculated in accordance with the QoE for the user and the revenue for the operator. The method further includes identifying a flow of the flows with a highest value of the priorities, and allocating a network resource for the flow. In an embodiment, the QoE model is a satisfaction model that provides a measure of user satisfaction for each flow in accordance with a subscription or behavior class of the user.

Type: Application**Filed:** February 14, 2014**Publication date:** January 7, 2016**Inventors:** Yusen Zhou, Guangyu Zhao, Shibo Jiang, Lanying Du**Virus detection and removal system and method for network-based systems****Patent number:** 7080407

Abstract: An enhanced virus detection monitoring (VDM) system and method suitable for use with network systems, and in particular electronic document control systems (EDCS) is disclosed. The VDM system intercepts files and documents before they are made available to other users ("check-in") and inspects the files/documents for virus infection. If a virus infection is found in a file or document, the VDM system invokes anti-virus software to disinfect the file or document. Once the virus has been removed from the file or document, the file (or document) is then made available to other users of the system. If the virus cannot be removed, the file (or document) is not allowed to be checked-in.

Type: Grant**Filed:** June 27, 2000**Date of Patent:** July 18, 2006**Assignee:** Cisco Technology, Inc.

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