

PDF | The aim of the presented study was to develop a feasible and technologically viable modification of a 12 V lead-acid battery, which ...

Novel lead-graphene and lead-graphite metallic composite materials for possible applications as positive electrode grid in lead-acid battery. Author links open overlay panel L.A. ...

The major aging processes in lead-acid batteries are (i) irreversible formation of lead sulfate, PbSO_4 in the active mass and current collector, (ii) physical loss of the electrode ...

The lead acid battery has been a dominant device in large-scale energy storage systems since its invention in 1859. ... corrosion-resistive lead dioxide positive electrode is of ...

positive electrode, such as adding additives to positive active material. In this paper, the positive additives are divided into conductive additive, porous additive and nucleating additive from two ...

Here, full-scale automotive batteries containing dCNT in the negative electrode or both negative and positive electrodes are compared to control batteries. dCNT batteries show little change to ...

The influence of selected types of ammonium ionic liquid (AIL) additives on corrosion and functional parameters of lead-acid battery positive electrode was examined. AILs ...

The application of rice husk-based porous carbon in positive electrodes of lead acid batteries. J Energy Storage, 30 (2020), Article 101392. ... Effect of graphene and carbon ...

The $\text{PbCO}_3/\text{N-rGO}$ nanocomposite was prepared by a hydrothermal method as a positive electrode additive for lead-acid batteries. The material was characterized by XRD, ...

The structure and properties of the positive active material PbO_2 are key factors affecting the performance of lead-acid batteries. To improve the cycle life and specific ...

Zhang K, Liu W, Ma BB, Mezaal MA, Li GH, Zhang R, Lei LX (2016) Lead sulfate used as the positive active material of lead acid batteries. J Solid State Electrochem ...

Web: <https://vielec-electricite.fr>