

Jianqiang Chen's 46 research works with 1,243 citations and 4,013 reads, including: A critical review on co-hydrothermal carbonization of biomass and fossil-based feedstocks for cleaner solid fuel ...

With the growing demand of safety and accurate control for electric vehicles, it is urgent to develop a physics-based electrochemical model of lithium-ion battery with simple calculation and high accuracy over wide temperature range for application in battery management system (BMS). However, traditional electrochemical models are too complex to be applied in real usage, and ...

Xiaojun Liu, Jianqiang Gu*, Ranjan Singh*, Yingfang Ma, Jun Zhu, Zhen Tian, Mingxia He, Jiaguang Han, Electromagnetically induced transparency in terahertz plasmonic metamaterials via dual excitation pathways of the dark mode, ...

The QSS electrolyte was used to construct an iron-air battery that performed excellently in charge-discharge cycling with high coulombic and energy efficiencies. We also propose and confirm a redox mechanism at the three-phase interlines in the negative electrode. These findings can help establish a simpler and more efficient approach to ...

Jianqiang Kang: Methodology, Investigation, Formal analysis. Wen Wei: ... During battery charging and discharging, the chemical reaction lags behind the voltage [96,97]. Fig. 8(a) displays the charging and discharging curves, where both exhibit non-negligible variations due to the hysteresis effect [98,99].

Shi, Wenyue PhD 20, Battery Integrity Engineer at Amazon Lab126; Baucom, Jesse PhD 20, Senior Battery Materials Engineer; Zhang, Chen PhD 20; Li, Fan PhD 20, Process ...

Entwicklungsingenieur Batteriesystem · Berufserfahrung: AVL SCHRICK GmbH · Ausbildung: Technische Universität Braunschweig · Standort: Stuttgart · 17 Kontakte auf LinkedIn. Sehen Sie sich das Profil von Jianqiang Liang auf LinkedIn, einer professionellen Community mit mehr als 1 Milliarde Mitgliedern, an.

Battery Management System, Battery Model, Biquadratic, Constant Current, Constant Discharge, Electrochemical Model, Liquid Phase, Negative Electrode, Partial Differential ...

Founder and CEO of Evident Battery. Tesla, Apple, and Schlumberger alumni. Ph.D. in... · Experience: Evident Battery, Inc. · Education: Yale School of Management · Location: Westford · 500 ...

Contributors: Shen, Jian-Qiang; Zhao, Tian-Tian; Song, Ying-Li; Zhang, Lingjuan; Gao, Ya-Nan; Cui,

Xiao-Nan; Zhao, Peng; Zhang, Xian-Ming

The capability of the heat dissipation in the battery pack is gradually improved when the inlet velocity increases. Conversely, if the velocity exceeds 8 m/s, the heat dissipation capability is not significantly improved. ... Zhu, Guorong and Weng, Xiqing and Kang, Jianqiang and Wang, Jing V., Comparison and Optimization of an Air Cooling ...

Web: <https://www.agro-heger.eu>