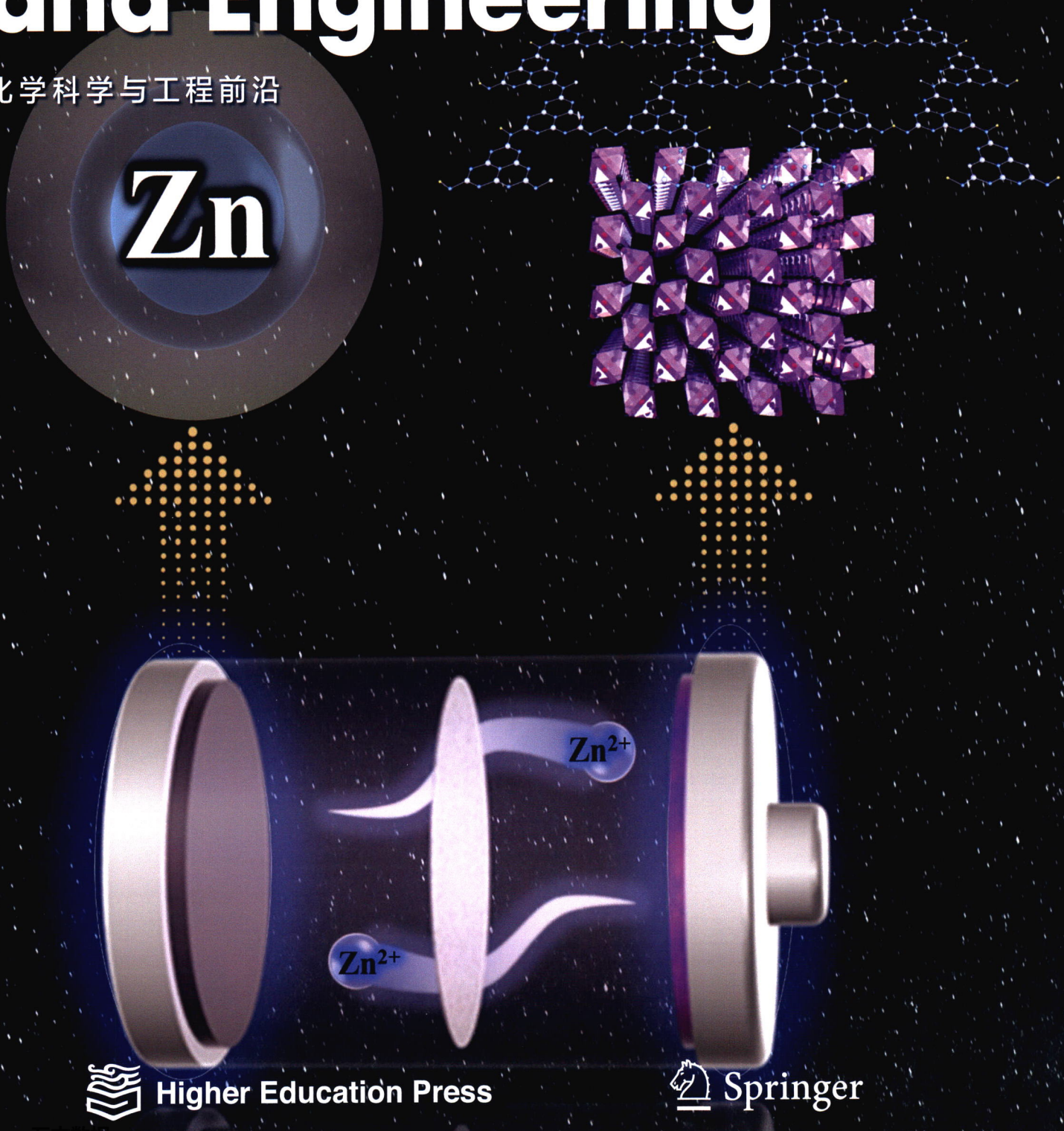
Engineering
Transactions of CAE

ISSN 2095-0179
Volume 17 · Number 2
February 2023

QK2254590

Frontiers of Chemical Science and Engineering

化学科学与工程前沿



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Frontiers of Chemical Science and Engineering

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REVIEW

RESEARCH ARTICLE

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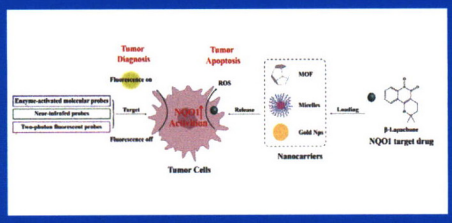

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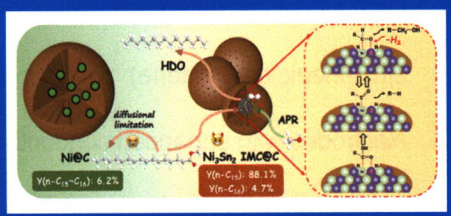

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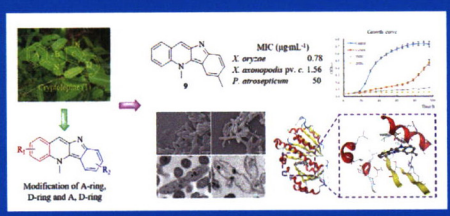

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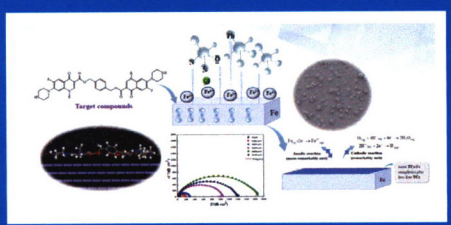

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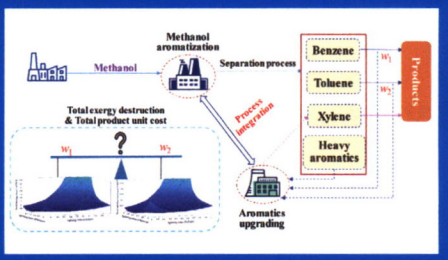

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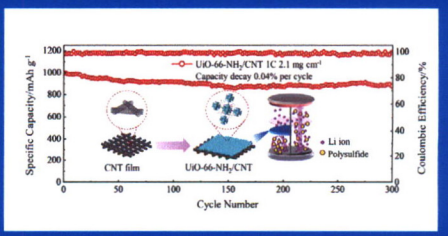

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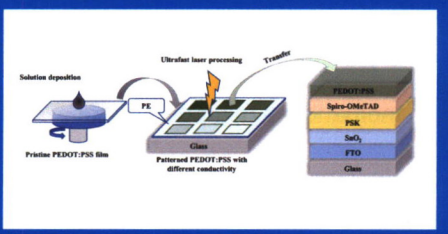

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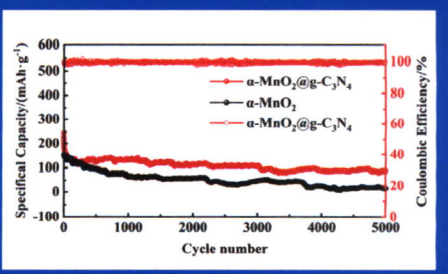

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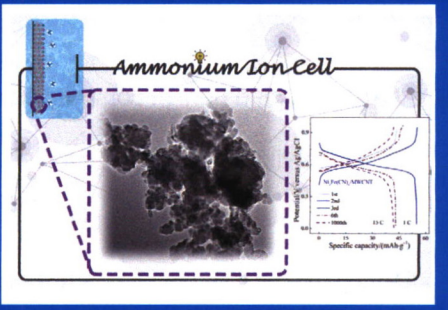

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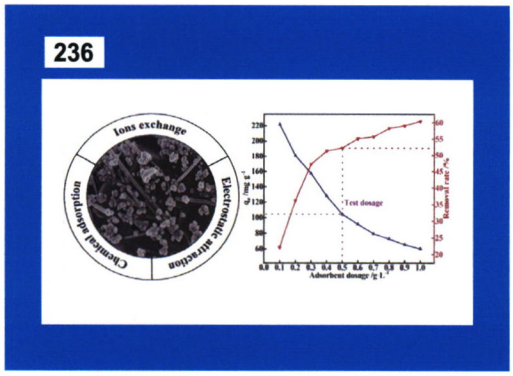
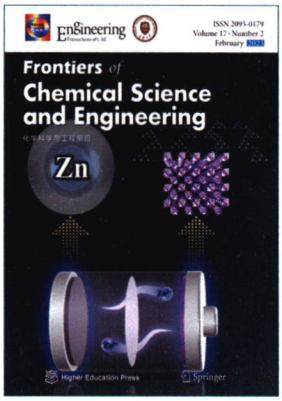
236 Fluoride ions adsorption from water by $CaCO_3$ enhanced Mn–Fe mixed metal oxides

Xinyuan Wang, Heriberto Pfeiffer, Jiangjiang Wei, Jinyu Wang, Jinli Zhang





COVER

The picture is set against the bright starry sky, symbolizing the broad application prospect of new energy batteries. The main body is the aqueous zinc-ion battery which is being rapidly charged and discharged, which conveys the advantages of aqueous zinc-ion battery such as low cost and high safety. The upper left part of the cover shows the bright moon in the sky, which reflects the potential application prospects of the aqueous zinc-ion battery. The upper right part of the cover shows the crystal structure of α-MnO_2@g-C_3N_4 nanocomposite, with α-MnO_2 and g-C_3N_4 emitting light like stars in the night sky. This study provides certain guidance and reference value for the application of g-C_3N_4 material in energy storage and the preparation of carbon-nitrogen based green carrier materials. (Jiwei Xie, Guijing Liu, Kaikai Wang, Xueming Li, Yusen Bai, Shanmin Gao, Leqing Fan, Rundou Zheng, pp. 217–225)

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Frontiers of Chemical Science and Engineering

Vol. 17 No. 2 February 2023

Available online
http://www.springerlink.com

CN 11-5981/TQ
邮发代号: **80-969**

ISSN 2095-0179

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