



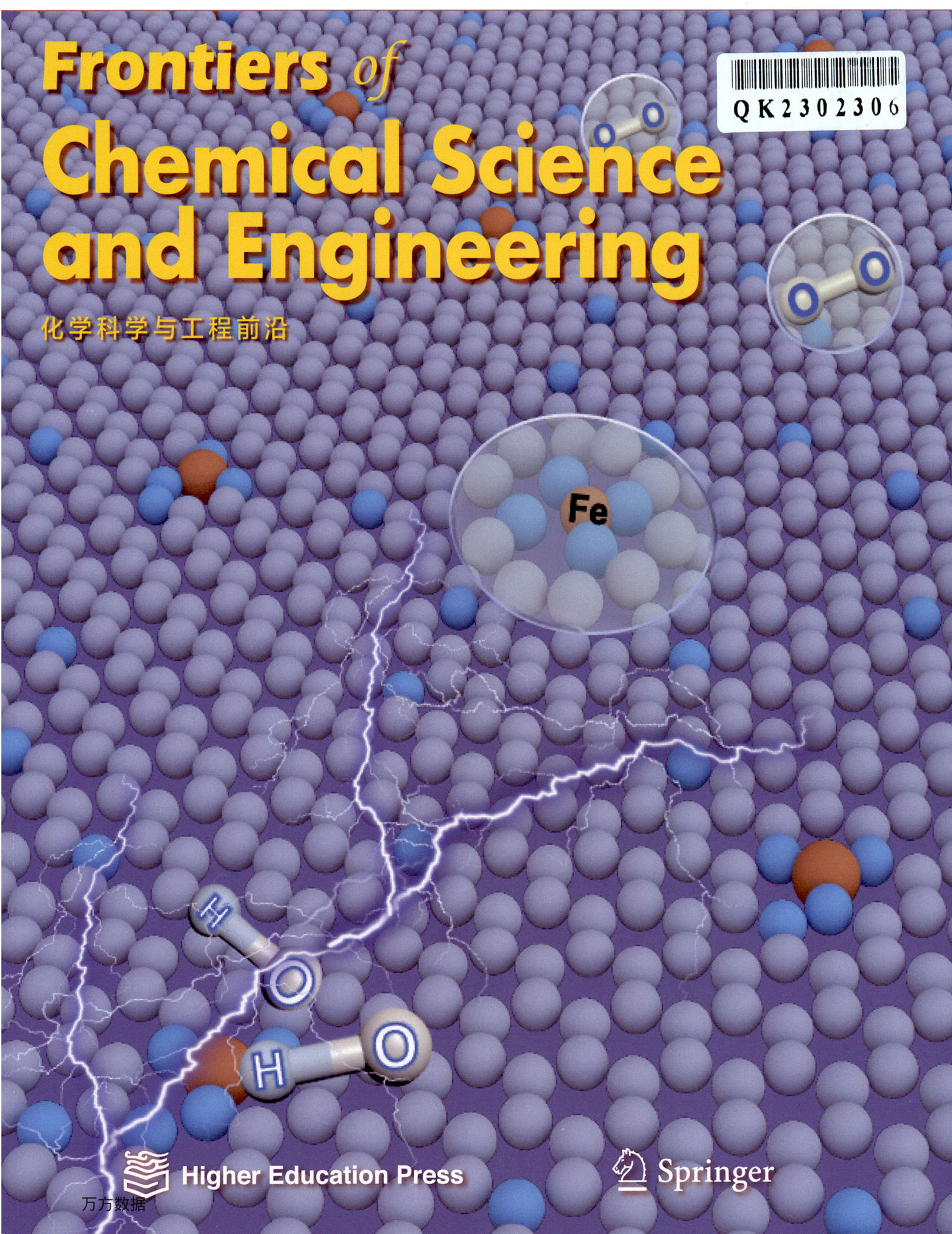
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RESEARCH ARTICLE

- 491** Phosphorus-doped Ni–Co sulfides connected by carbon nanotubes for flexible hybrid supercapacitor

Shengwang Su, Li Sun, Feng Xie, Jialong Qian, Yihe Zhang

- 504** Electrospun porous carbon nanofibers derived from bio-based phenolic resins as free-standing electrodes for high-performance supercapacitors

Yongsheng Zhang, Xiaomeng Yang, Jinpan Bao, Hang Qian, Dong Sui, Jianshe Wang, Chunbao Charles Xu, Yanfang Huang

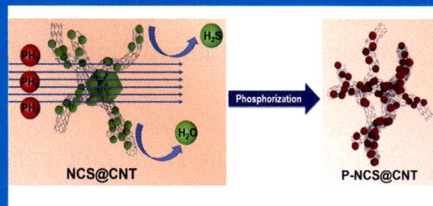
- 516** Enhanced charge extraction for all-inorganic perovskite solar cells by graphene oxide quantum dots modified TiO₂ layer

Yili Liu, Guoliang Che, Weizhong Cui, Beili Pang, Qiong Sun, Liyan Yu, Lifeng Dong

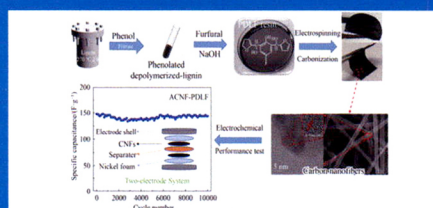
- 525** Floret-like Fe–N_x nanoparticle-embedded porous carbon superstructures from a Fe-covalent triazine polymer boosting oxygen electroreduction

Yong Zheng, Mingjin Li, Yongye Wang, Niu Huang, Wei Liu, Shan Chen, Xuepeng Ni, Kunming Li, Siwei Xiong, Yi Shen, Siliang Liu, Baolong Zhou, Niaz Ali Khan, Liqun Ye, Chao Zhang, Tianxi Liu

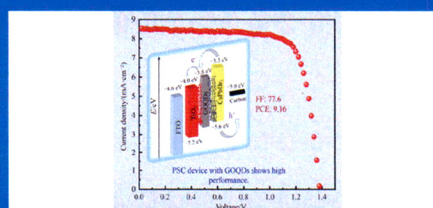
491



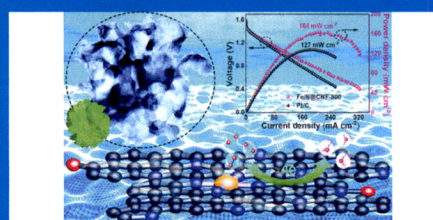
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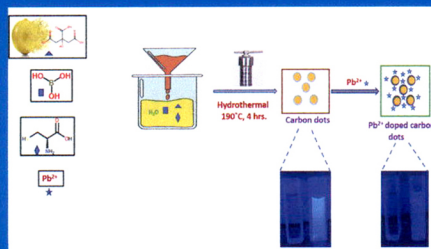
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- 536** Simplistic hydrothermal synthesis approach for fabricating photoluminescent carbon dots and its potential application as an efficient sensor probe for toxic lead(II) ion detection

Trisita Ghosh, Rajkumar Sahoo, Suman Kumar Ghosh, Pallab Banerji, Narayan Ch. Das

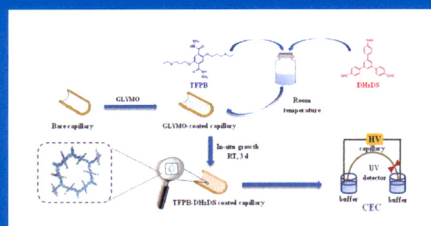
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- 548** Room temperature *in-situ* preparation of hydrazine-linked covalent organic frameworks coated capillaries for separation and determination of polycyclic aromatic hydrocarbons

Yanli Zhang, Wenjuan Lv, Fangling Wang, Xiao Niu, Guoxiu Wang, Xuequan Wu, Xiaoyun Zhang, Xingguo Chen

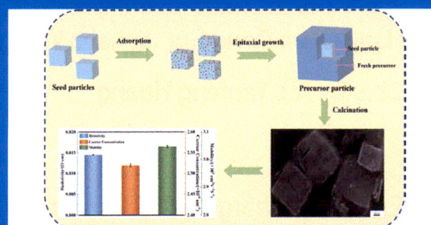
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- 557** Novel seed-assisted synthesis of indium tin oxide submicro-cubes and their resistivity

Ting Liu, Zhucheng Jiang, Jiexiang Liu

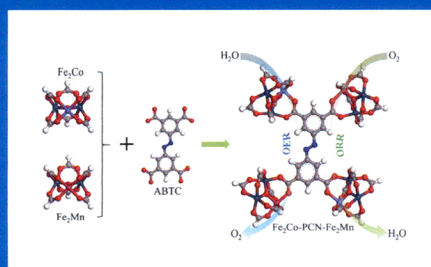
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- 570** Heterometallic cluster-based organic frameworks as highly active electrocatalysts for oxygen reduction and oxygen evolution reaction: a density functional theory study

Xin Chen, Liang Luo, Shihong Huang, Xingbo Ge, Xiuyun Zhao

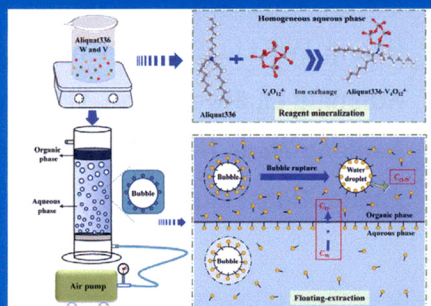
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- 581** Highly efficient and selective removal of vanadium from tungstate solutions by microbubble floating-extraction

Hanyu Wang, Shengpeng Su, Yanfang Huang, Bingbing Liu, Hu Sun, Guihong Han

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594 Power-to-chemicals: sustainable liquefaction of food waste with plasma-electrolysis

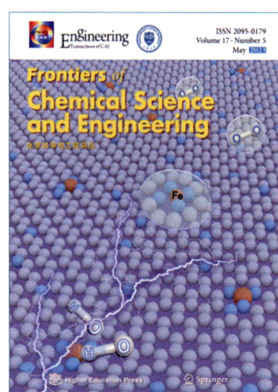
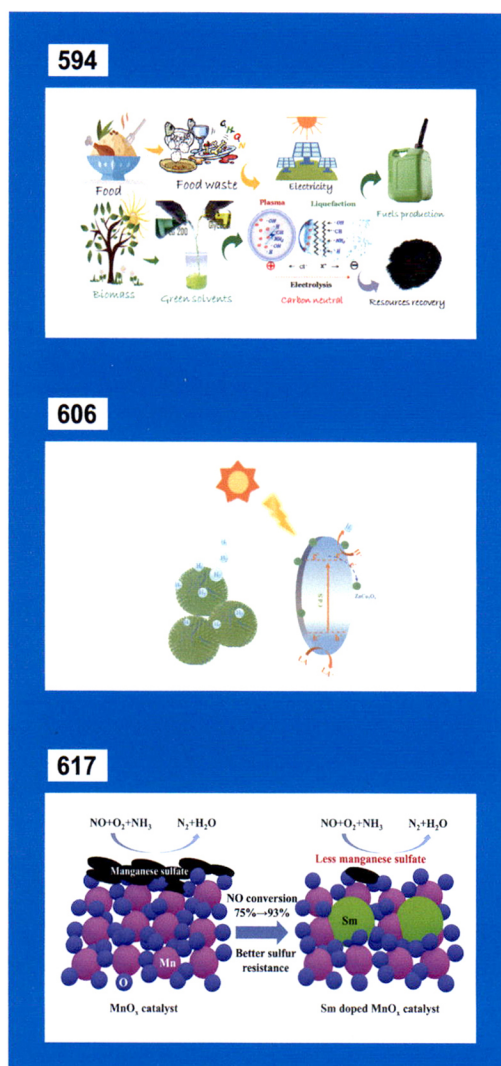
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617 Denitrification performance and sulfur resistance mechanism of Sm–Mn catalyst for low temperature NH_3 -SCR

Junlin Xie, Yanli Ye, Qinglei Li, Tianhong Kang, Sensheng Hou, Qiqi Jin, Feng He, De Fang



COVER

An iron-coordinated covalent triazine polymer-derived Fe–N_x nanoparticle-embedded nitrogen-doped carbon nanofloret composite is successfully designed by Liu and co-workers. Thanks to its abundant Fe–N_x nanoparticles active centers and large specific surface area, the optimal Fe/N@-CNF-800 can readily work as an efficient pH-universal electrochemical oxygen reduction catalyst for a high-performance zinc-air battery. (Yong Zheng, Mingjin Li, Yongye Wang, Niu Huang, Wei Liu, Shan Chen, Xuepeng Ni, Kunming Li, Siwei Xiong, Yi Shen, Siliang Liu, Baolong Zhou, Niaz Ali Khan, Liqun Ye, Chao Zhang, Tianxi Liu, pp. 525–535)

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