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### Cover

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### Inside cover

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## FOCUS

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**Superfluorescent upconversion nanoparticles as an emerging second generation quantum technology material**

Lewis E. MacKenzie\* and Peter Kirton

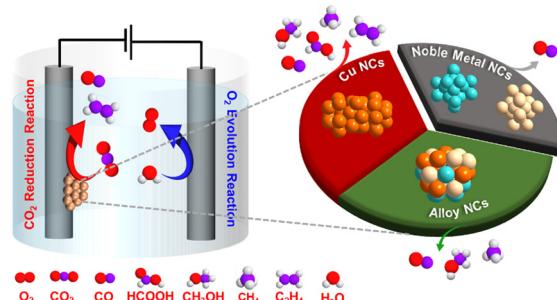


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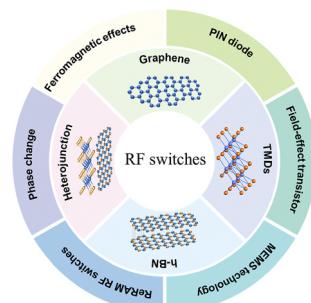
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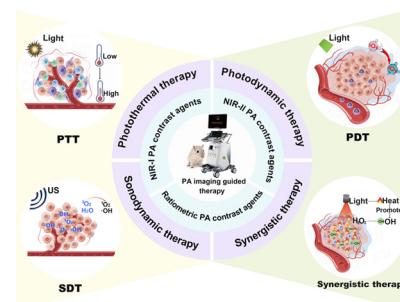
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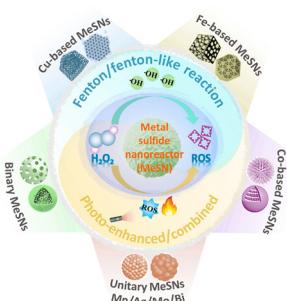
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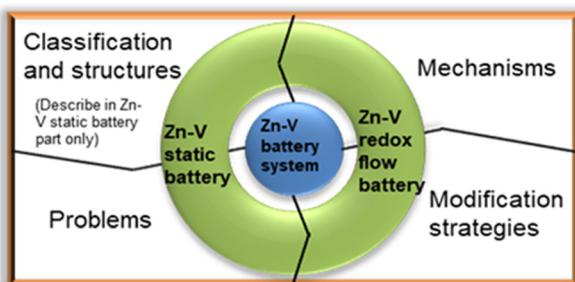
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### Bioactive metal sulfide nanomaterials as photo-enhanced chemodynamic nanoreactors for tumor therapy

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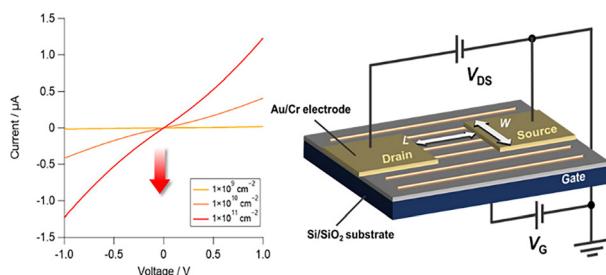


### A comprehensive analysis from the basics to the application of V-cathodes in Zn-V static and flow batteries

Yufei Li, Jie Chen and Guanjie He\*

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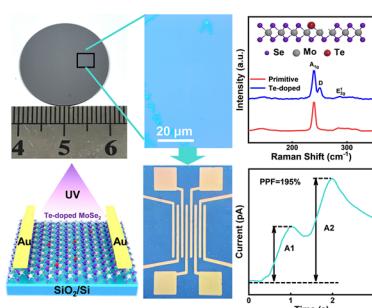
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### High electrical conductivity in directionally polymerized C<sub>60</sub> nanowires by grazing incidence of single particles

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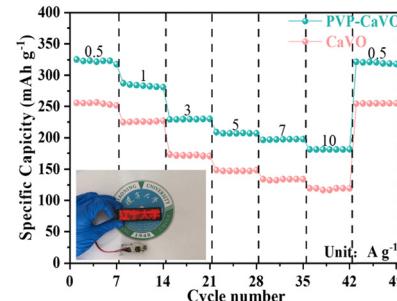


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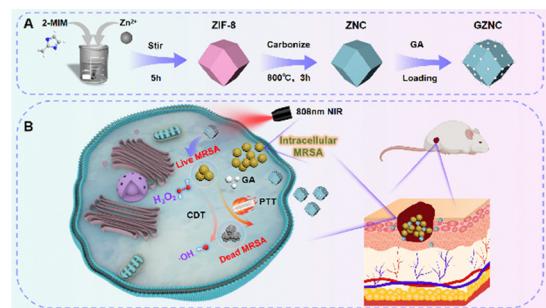
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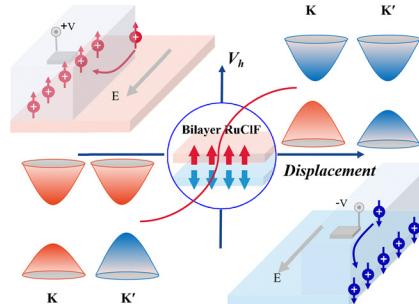
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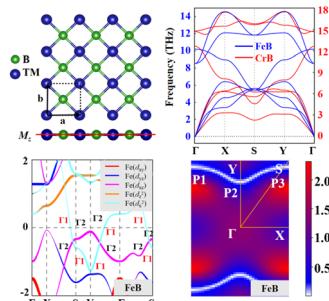
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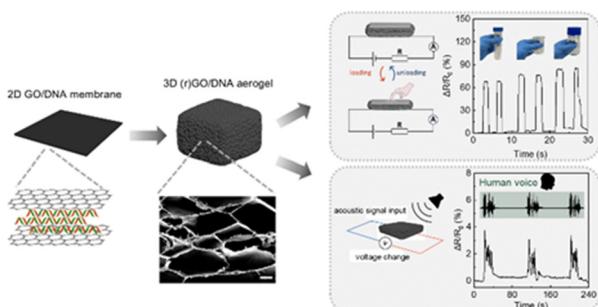
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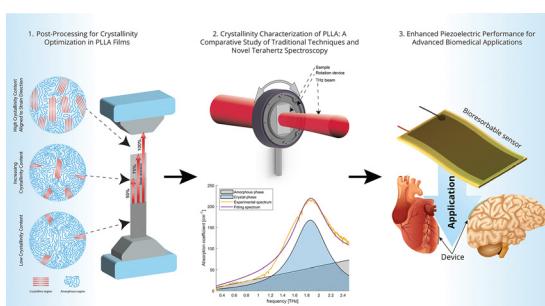
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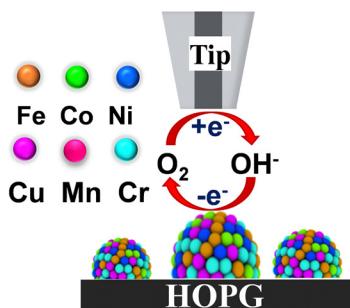
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Muhammad Rauf, Gaukhar Askarova, Tianyu Bo and Michael V. Mirkin\*

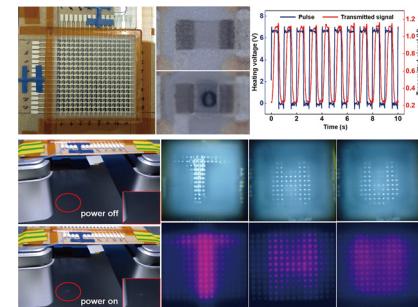


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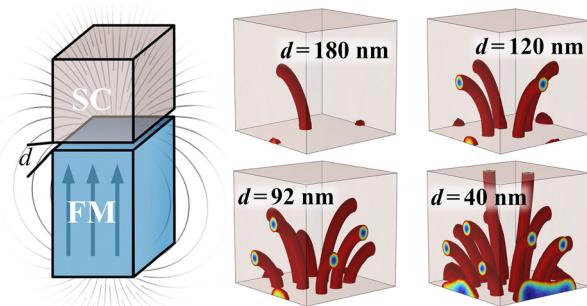
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Priya Gupta, Harshdeep Kaur, Mohammad Anees, Sachchidanand Tiwari, Ankushi Bansal and Harpal Singh\*

