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高等学校化学学报

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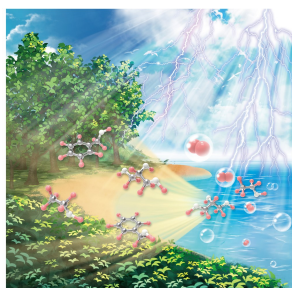
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封面 (Cover)



清华大学化学系段昊泓等：利用生物质醇/醛氧化来替代阳极析氧过程不仅可以提高阳极产物的附加值，同时可以提升太阳能到氢能的转化效率。因此，光电解水制氢耦合生物质醇/醛氧化对绿氢提效降本和高值化学品合成具有重要意义。该文综合评述了光电解水制氢耦合生物质醇/醛的氧化反应机理，总结了目前光电催化技术在生物质醇/醛氧化方面的研究进展，最后对该领域所面临的机遇和挑战进行了展望。doi: 10.7503/cjcu20210683

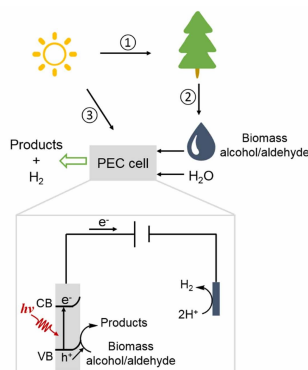
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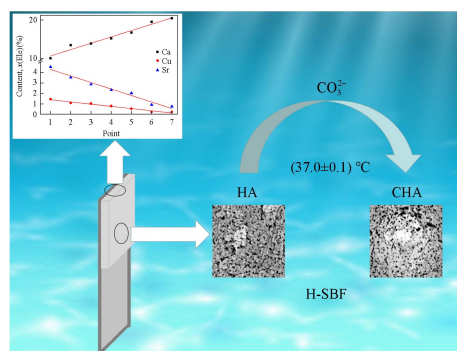
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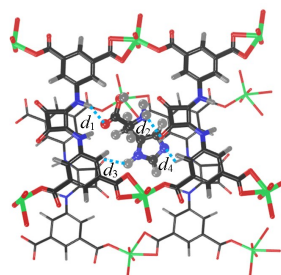


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$d_1=0.195$ nm; $d_2=0.217$ nm;
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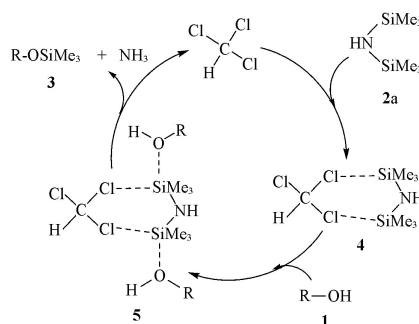
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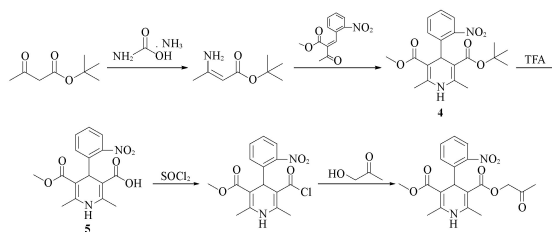


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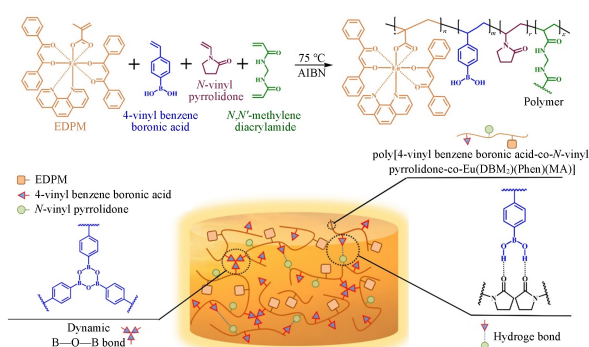
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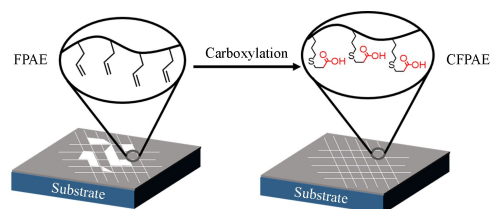
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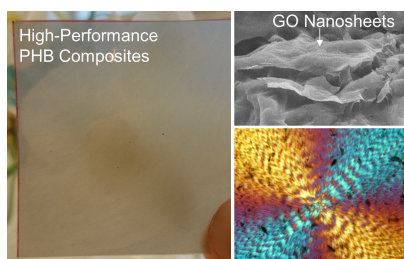


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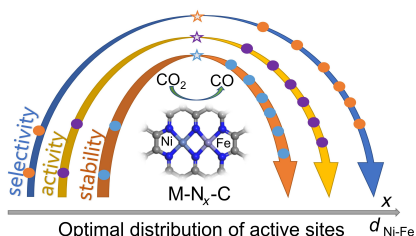
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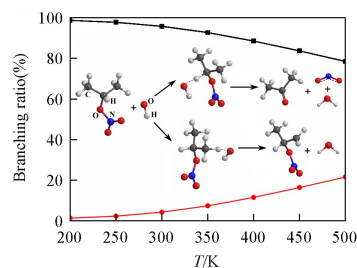


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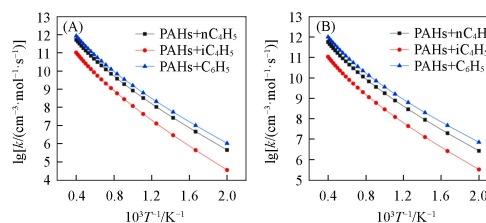


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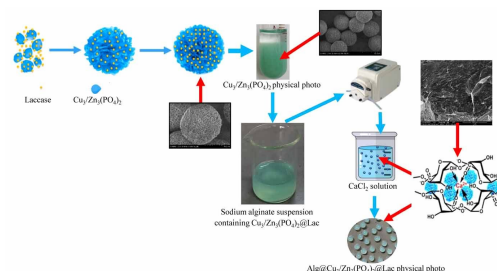
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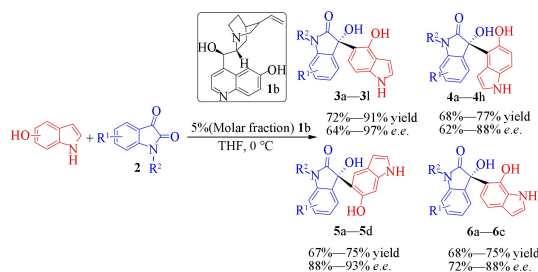
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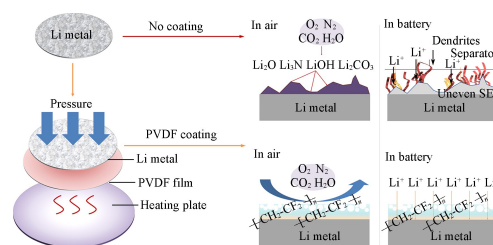
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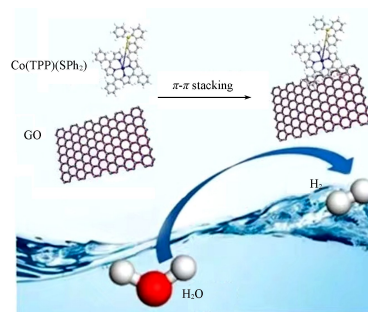
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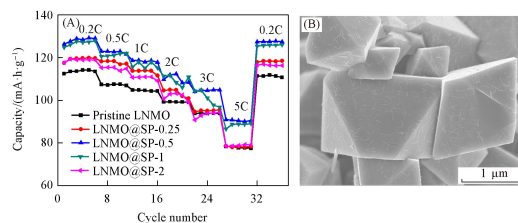
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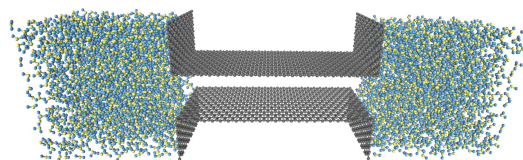
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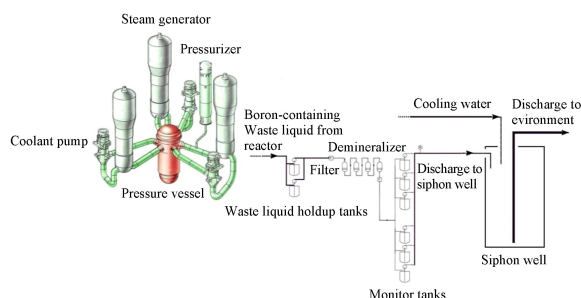
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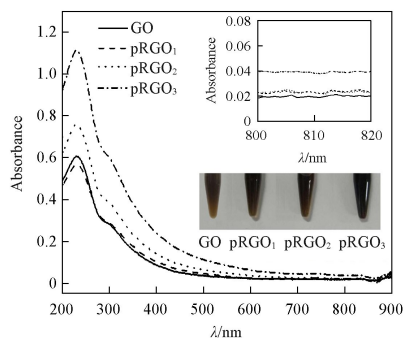


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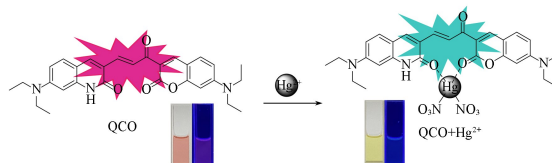
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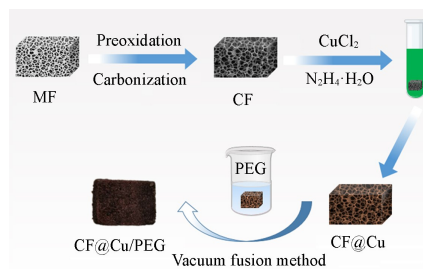


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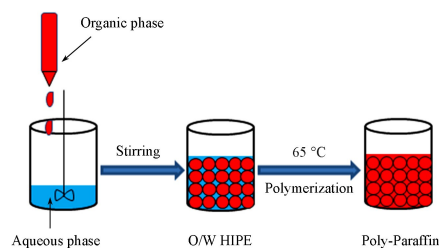


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