Supporting Information

Vitamin K as a high-performance organic anode material for rechargeable potassium ion batteries

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Table S1. Area ratio of different kinds of C determined by XPS analysis from C1s spectrum at three states: as-prepared, discharged and charged.
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<table>
<thead>
<tr>
<th></th>
<th>C=O</th>
<th>C-H/C-O-K</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>As-prepared</td>
<td>1.1%</td>
<td>8.861%</td>
<td>90.04%</td>
</tr>
<tr>
<td>Discharged</td>
<td>0.04%</td>
<td>10.94%</td>
<td>89.02%</td>
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<tr>
<td>Recharged</td>
<td>0.91%</td>
<td>8.3%</td>
<td>90.79%</td>
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