Supplementary Material

The effect of growing time and Mn concentration on the defect structure of ZnO nanocrystals: X-ray Diffraction, Infrared and EPR Spectroscopy

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Table S1. The concentration of Mn (mol) used, concentration of Mn detected by EDX (%), and ICP-MS (ppm)

<table>
<thead>
<tr>
<th>Concentration of Mn used (mol)</th>
<th>Concentration of Mn (%) (EDX)</th>
<th>Concentration of Mn (ppm) (ICP-MS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X2 5×10⁻⁴</td>
<td>0.13</td>
<td>665</td>
</tr>
<tr>
<td>X3 10×10⁻⁴</td>
<td>0.14</td>
<td>1072</td>
</tr>
<tr>
<td>X4 25×10⁻⁴</td>
<td>0.24</td>
<td>2632</td>
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<td>X5 75×10⁻⁴</td>
<td>0.29</td>
<td>5384</td>
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<tr>
<td>X6 100×10⁻⁴</td>
<td>0.79</td>
<td>6473</td>
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<tr>
<td>X7 250×10⁻⁴</td>
<td>2.00</td>
<td>15300</td>
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</tbody>
</table>
Figure S1. EDX spectra of Mn doped ZnO nanopowders.