Table S1. The bond lengths and bond angles of hexaferrite phase obtained from Rietveld refinement (structural model) of the SXRD patterns of samples sintered at 1000 °C.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Dopant ionic radii ratio</th>
<th>Undoped</th>
<th>Ba-site doping</th>
<th>Fe-site doping</th>
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<td>BMCa10 0.83</td>
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<td>18.63</td>
<td>18.28</td>
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<td>Coordination Number (6)</td>
<td>d_{Fe-O} (Å)</td>
<td>d_{Fe-O} (Å)</td>
<td>Avg. d_{Fe-O} (Å)</td>
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