Electronic supplementary information (ESI)

Structural and Up-conversion Properties of Er$^{3+}$ and Yb$^{3+}$ co-doped Y$_2$Ti$_2$O$_7$ phosphors†

Bheeshma Pratap Singh, Abdual Kareem Parchur, Rajesh Kumar Singh, Anees Ahmad Ansari, Prabhakar Singh and Shyam Bahadur Rai

†Department of Applied Physics, Indian Institute of Technology (BHU), Varanasi, India-221005
‡Department of Physics, Banaras Hindu University, Varanasi, India-221005
§King Abdullah Institute for Nanotechnology, King Saud University, Riyadh, Saudi Arabia-11451

*Corresponding authors:
E-mail address: sbrai49@yahoo.co.in, Tel: +91-542-2307308; Fax: +91-542-2368390; psingh.app@itbhu.ac.in, Tel: +91-542-6701916; Fax: +91-542-2368428; kareemskpa@hotmail.com, Tel: +91-542-2307308; Fax: +91-542-2368390.

Table S 1. Variation of CIE coordinates with input laser powers

<table>
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<tr>
<th>Power (w)</th>
<th>x</th>
<th>y</th>
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<tr>
<td>0.3</td>
<td>0.372</td>
<td>0.569</td>
</tr>
<tr>
<td>0.4</td>
<td>0.370</td>
<td>0.607</td>
</tr>
<tr>
<td>0.5</td>
<td>0.371</td>
<td>0.611</td>
</tr>
<tr>
<td>0.6</td>
<td>0.364</td>
<td>0.621</td>
</tr>
<tr>
<td>0.7</td>
<td>0.364</td>
<td>0.621</td>
</tr>
<tr>
<td>0.8</td>
<td>0.361</td>
<td>0.624</td>
</tr>
<tr>
<td>0.9</td>
<td>0.356</td>
<td>0.630</td>
</tr>
<tr>
<td>1.0</td>
<td>0.351</td>
<td>0.636</td>
</tr>
<tr>
<td>1.1</td>
<td>0.347</td>
<td>0.639</td>
</tr>
<tr>
<td>1.2</td>
<td>0.343</td>
<td>0.643</td>
</tr>
<tr>
<td>1.3</td>
<td>0.339</td>
<td>0.646</td>
</tr>
<tr>
<td>1.4</td>
<td>0.337</td>
<td>0.648</td>
</tr>
<tr>
<td>1.5</td>
<td>0.337</td>
<td>0.649</td>
</tr>
<tr>
<td>1.6</td>
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<td>0.649</td>
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<tr>
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<td>2.0</td>
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<td>0.650</td>
</tr>
<tr>
<td>2.1</td>
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<tr>
<td>2.2</td>
<td>0.333</td>
<td>0.652</td>
</tr>
<tr>
<td>2.3</td>
<td>0.333</td>
<td>0.651</td>
</tr>
<tr>
<td>2.4</td>
<td>0.334</td>
<td>0.651</td>
</tr>
</tbody>
</table>
Fig. S1 The variation in intensity with different input powers for (a) 524 and (b) 661 nm after normalizing the emission intensity at 548 nm.
Fig. S2 The variation of CIE coordinates with input laser powers.