Piezoelectric properties of individual nanocrystallites of $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$ obtained by Oxalate precursor route.

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**Table S1:** Fitted profile parameters of BCZT nanocrystallites heat treated at 800°C and 1000°C/5h – Page S2.

**Section 1:** Fig.S1 (a) Topographical image and (b & c) its corresponding amplitude and phase response image of BCZT nanocrystalline powder heat treated at 1000°C/5h – Page S3.

**Fig.S2** Polarization versus Electric field (P-E) loop for BCZT ceramic sintered at 1300°C – Page S4.
Table S1: Fitted profile parameters of BCZT nanocrystallites heat treated at 800°C and 1000°C/5h.

<table>
<thead>
<tr>
<th>Crystal system</th>
<th>Cell parameters (Å)</th>
<th>Volume (Å³)</th>
<th>Volume Fraction (%)</th>
<th>Goodness of fit (GOF)</th>
<th>Rp (%)</th>
<th>wRp (%)</th>
</tr>
</thead>
</table>
| BCZT nanocrystalline powder (heat-treated at 800°C/5h) | **Cubic** *(Pm-3m)*  
  a=b=c =4.0097 | 64.5         | 50         | 1.37                | 3.21   | 4.08    |
|                                 | **Tetragonal** *(P4mm)*  
  a =b=3.9960  
  c= 4.0221 | 64.2         | 49.8       |                           |        |         |
| BCZT nanocrystalline powder (heat-treated at 1000°C/5h) | **Cubic** *(Pm-3m)*  
  a=b=c=4.0027 | 64.1         | 49.4       | 1.25                | 4.53   | 5.94    |
|                                 | **Tetragonal** *(P4mm)*  
  a =b=4.0158  
  c= 4.0687 | 65.6         | 51         |                           |        |         |
Fig. S1 (a) Topographical image and (b & c) its corresponding amplitude and phase response image of BCZT nanocrystalline powder heat treated at 1000°C/5h.
Fig. S2 Polarization versus Electric field (P-E) loop for BCZT ceramic sintered at 1300°C