Evidence of phase transitions and their role in the transient behavior of mechanical properties and low temperature degradation of 3Y-TZP made from stabilizer-coated powder

5. Supplementary data

5.1 SEM images of thermally etched samples sintered at various temperatures



Figure S1: Thermally etched surface of 3Y-TZP sintered at 1300°C/1h



Figure S2: Thermally etched surface of 3Y-TZP sintered at 1325°C/1h



Figure S3: Thermally etched surface of 3Y-TZP sintered at 1350°C/1h



Figure S4: Thermally etched surface of 3Y-TZP sintered at 1375°C/1h



Figure S5: Thermally etched surface of 3Y-TZP sintered at 1400°C/1h



Figure S6: Thermally etched surface of 3Y-TZP sintered at 1425°C/1h



Figure S7: Thermally etched surface of 3Y-TZP sintered at 1450°C/1h

5.2 Selected SEM images of fracture surfaces



Figure S8: Fracture surface of 3Y-TZP sintered at 1300°C/1h



Figure S9: Fracture surface of 3Y-TZP sintered at 1325°C/1h



Figure S10: Fracture surface of 3Y-TZP sintered at 1350°C/1h, fractured alumina grain marked by arrow



Figure S11: Fracture surface of 3Y-TZP sintered at 1375°C/1h



Figure S12: Fracture surface of 3Y-TZP sintered at 1400°C/1h



Figure S13: Fracture surface of 3Y-TZP sintered at 1425°C/1h



Figure S13: Fracture surface of 3Y-TZP sintered at 1425°C/1h