

A113實驗室 A113 Laboratory



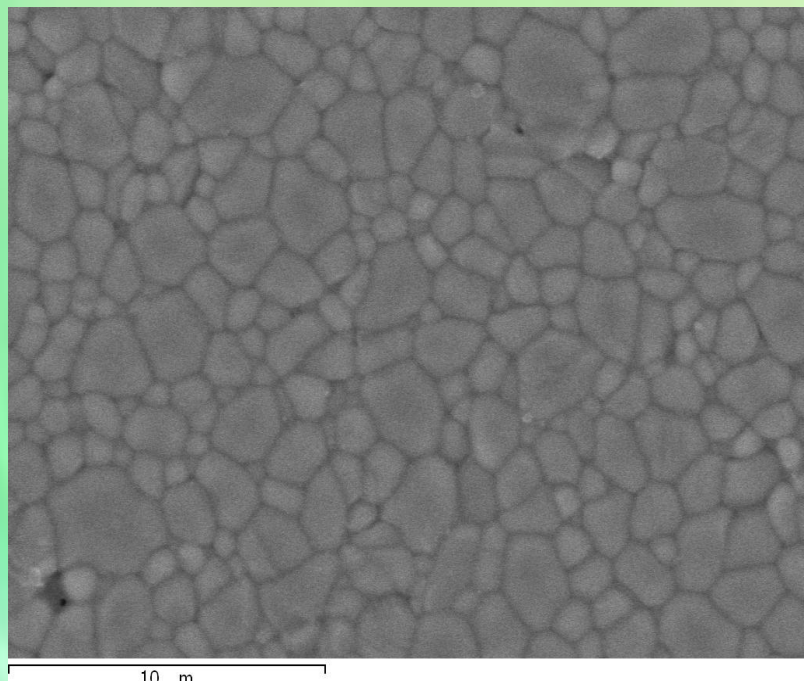
研究方向

◎介電陶瓷材料

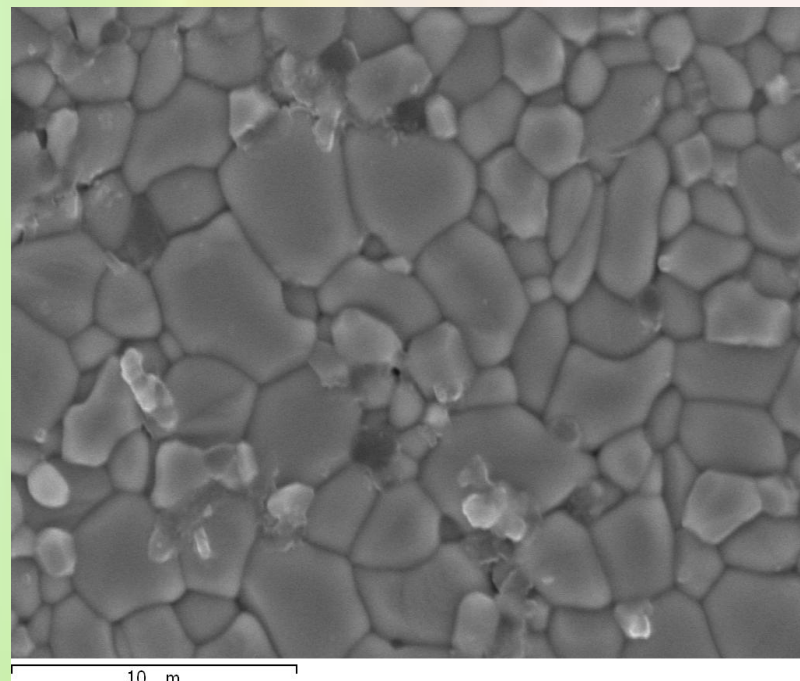
◎固態氧化物燃料電池

研究成果

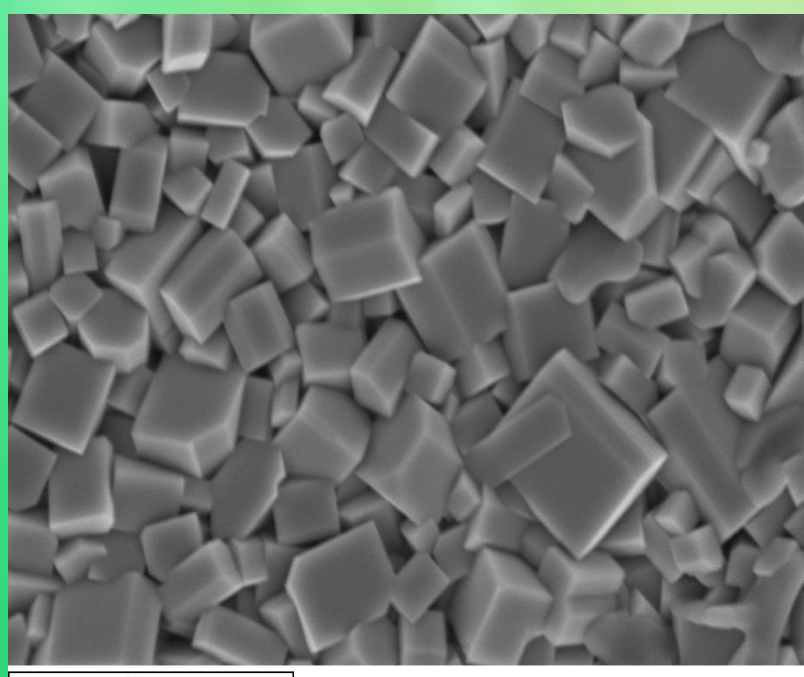
◎介電陶瓷材料



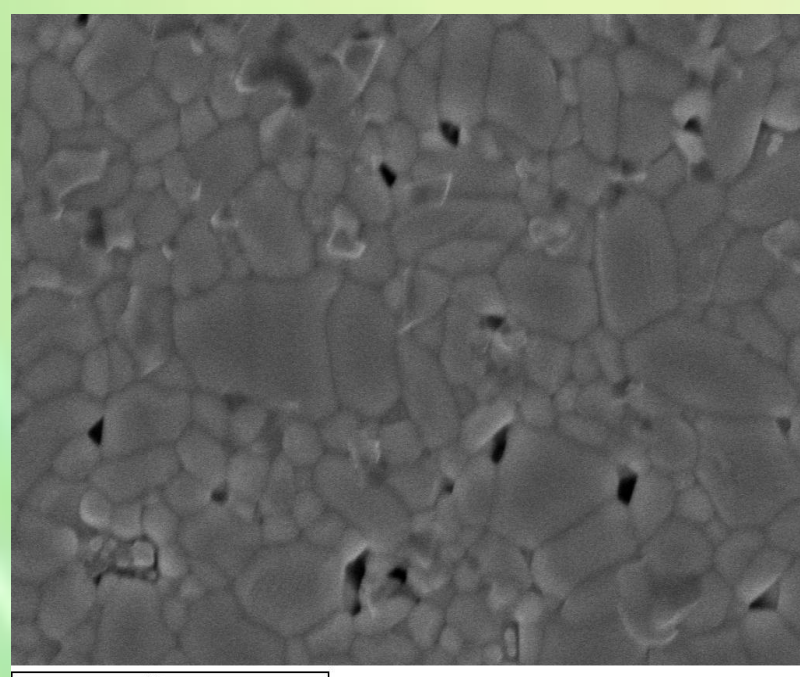
Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol% Bi₂O₃



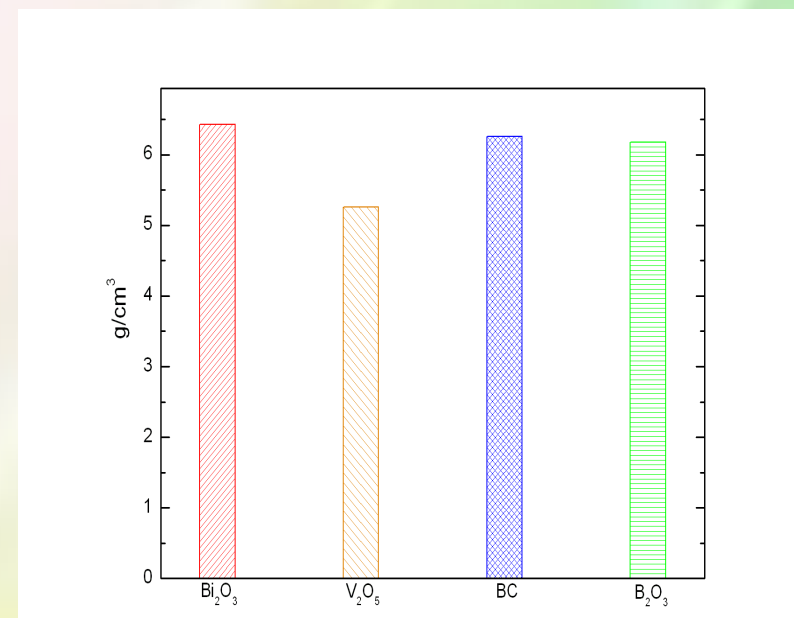
Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol% V₂O₅



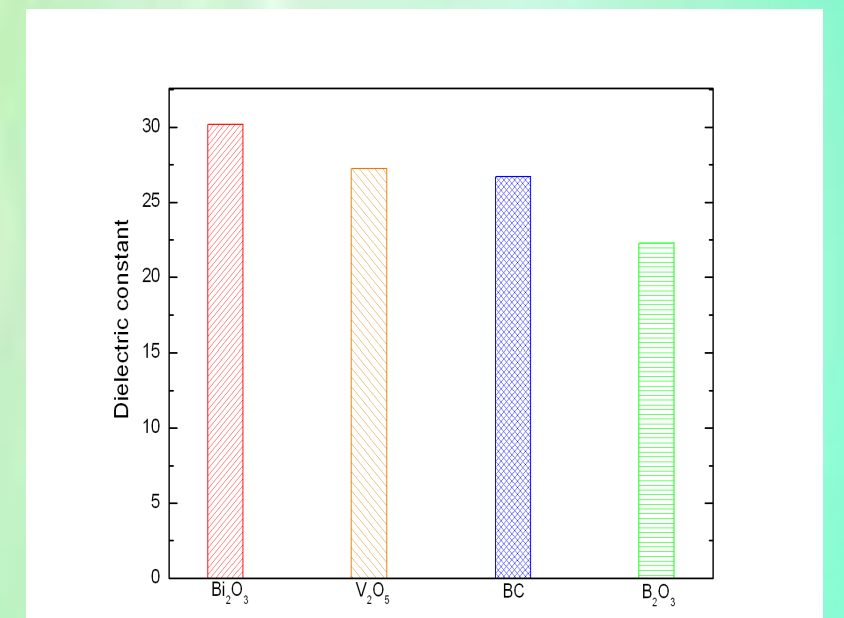
Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol% BC



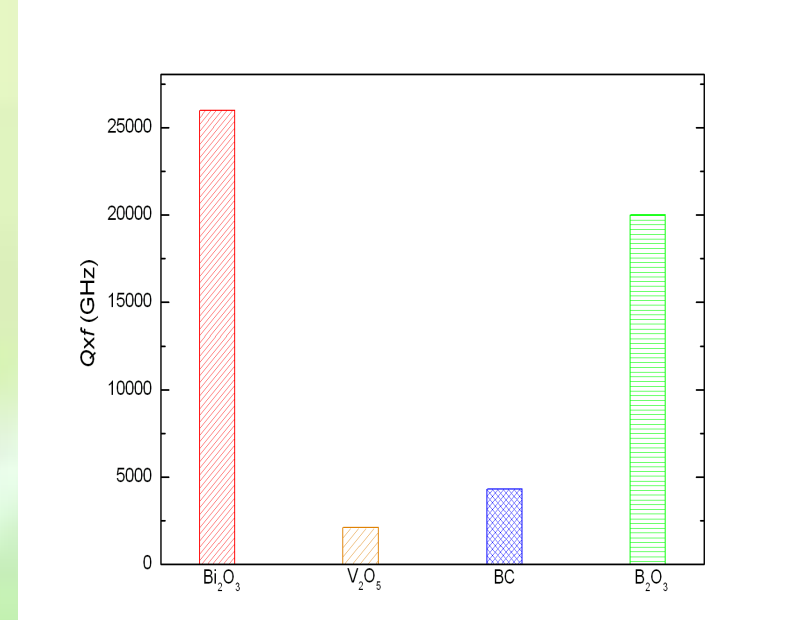
Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol% B₂O₃



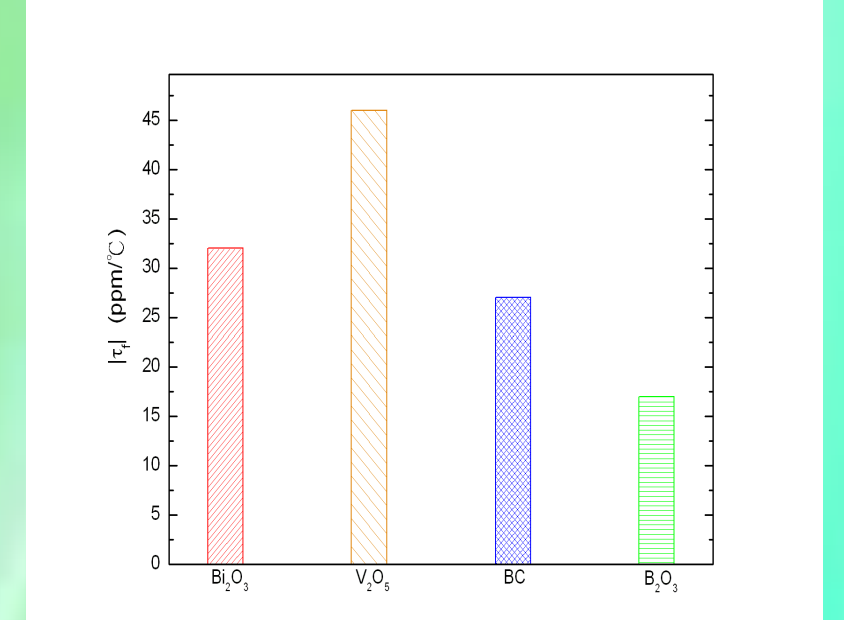
Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol%M
(M=B₂O₃、Bi₂O₃、BC、V₂O₅)
之密度長條圖



Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol%M
(M=B₂O₃、Bi₂O₃、BC、V₂O₅)
之介電常數長條圖

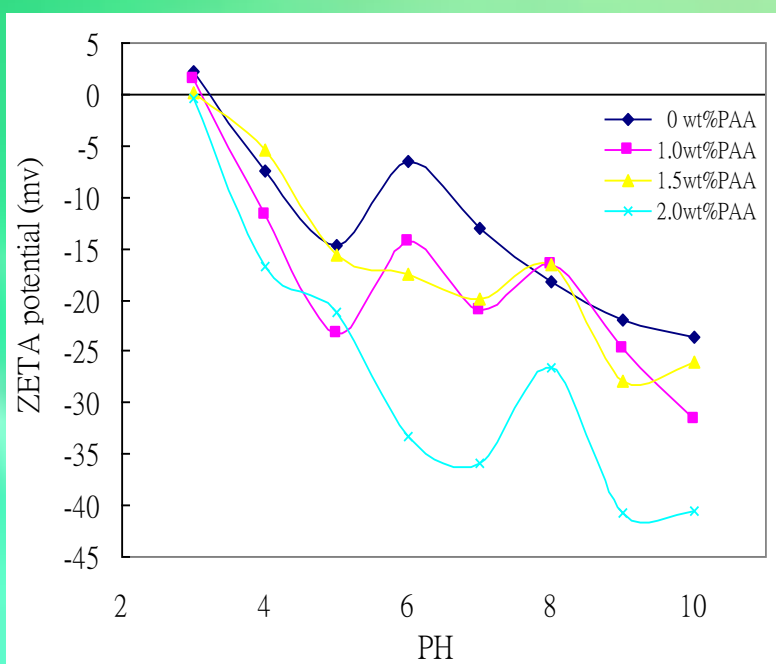


Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol%M
(M=B₂O₃、Bi₂O₃、BC、V₂O₅)
之品質因子長條圖

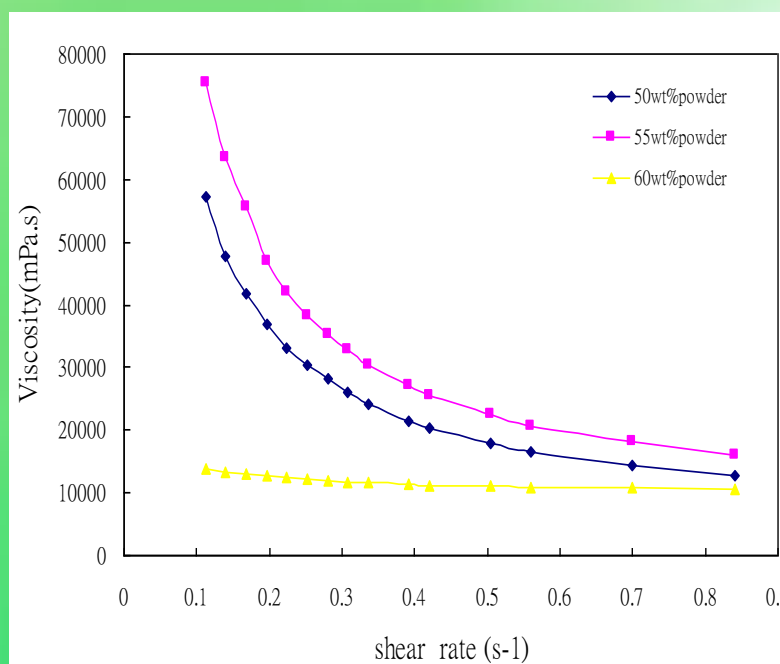


Sm(Mg_{1/2}Ti_{1/2})O₃ + 10mol%M
(M=B₂O₃、Bi₂O₃、BC、V₂O₅)
之絕對值之TFC長條圖

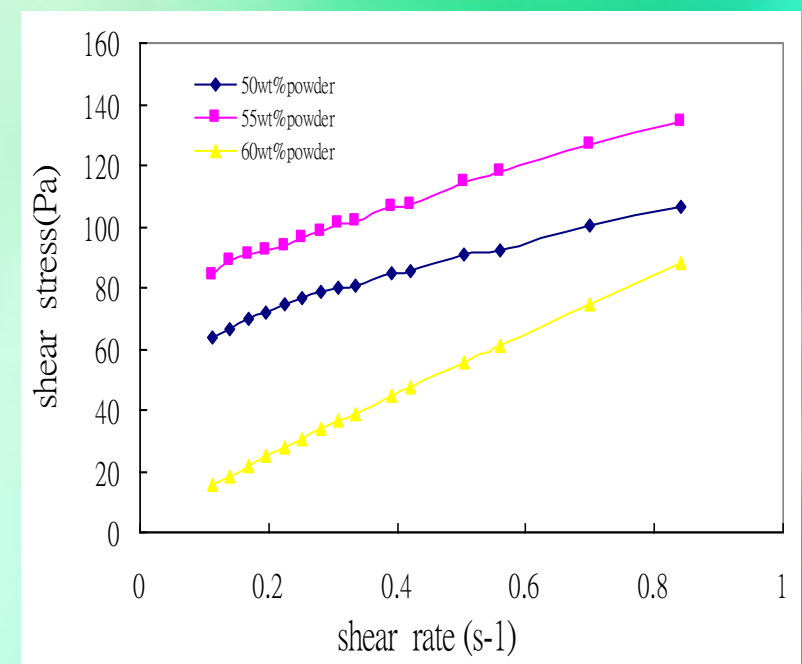
◎固態氧化物燃料電池



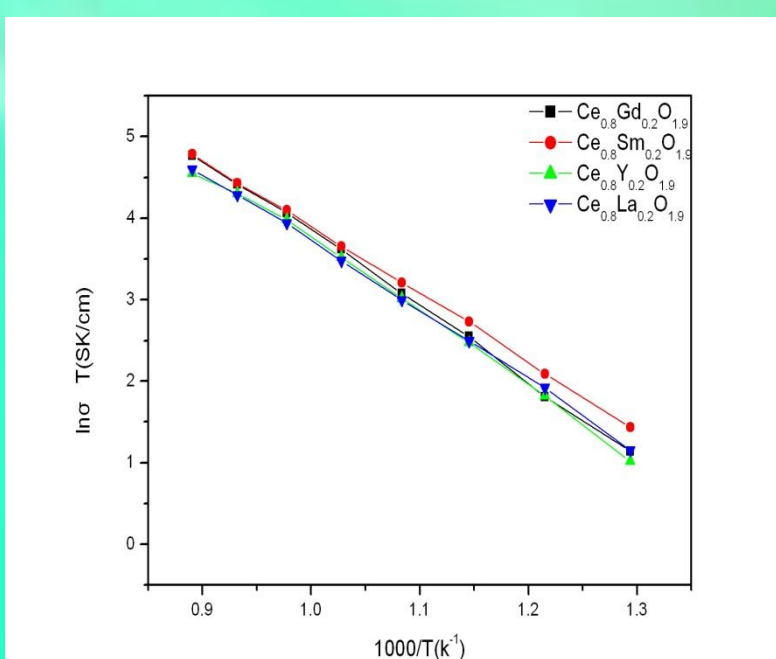
不同分散劑與PH值對於SDC的
ZETA potential 之影響



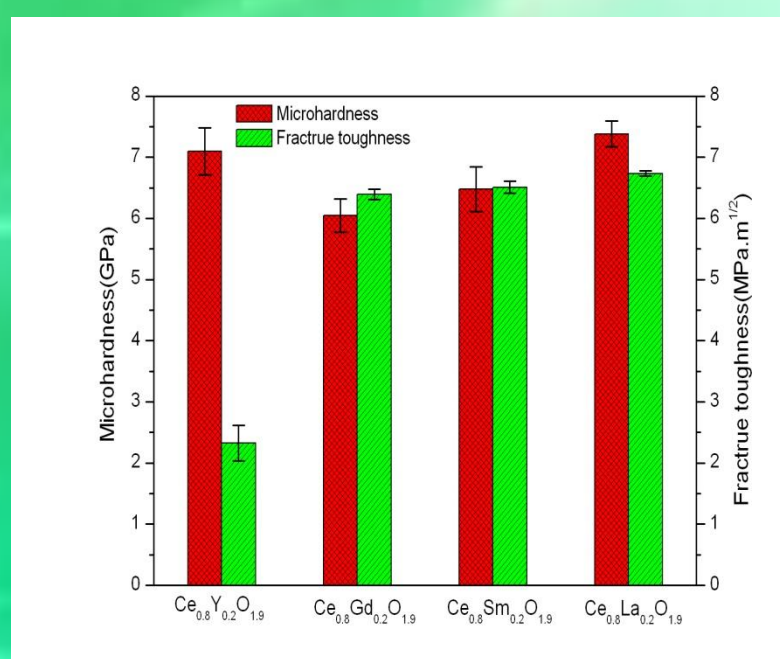
SDC漿料黏度與剪接速率之關係圖



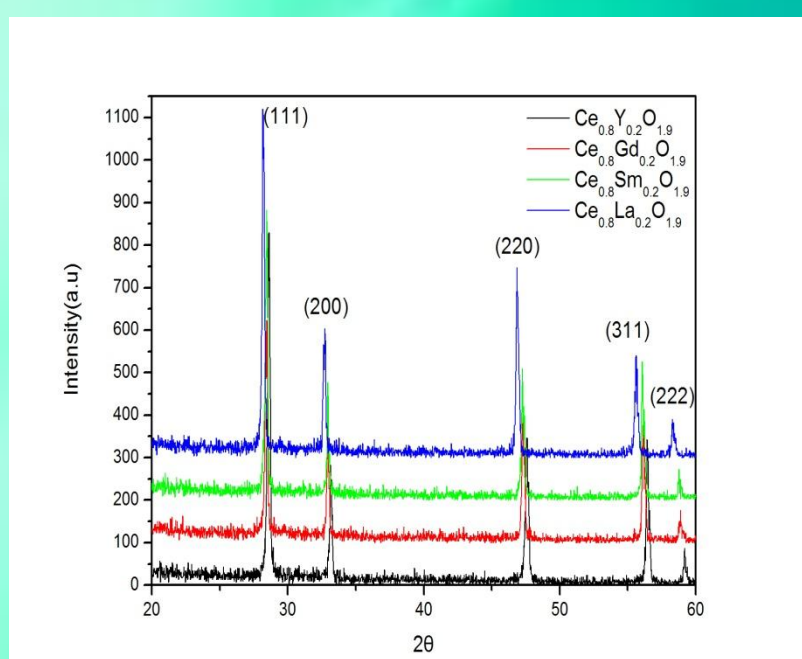
SDC漿料剪切應力與剪接速率之關係圖



SDC、LDC、YDC、GDC
之導電度比較圖



SDC、LDC、YDC、GDC
之硬度比較圖



SDC、LDC、YDC、GDC
之XRD比較圖