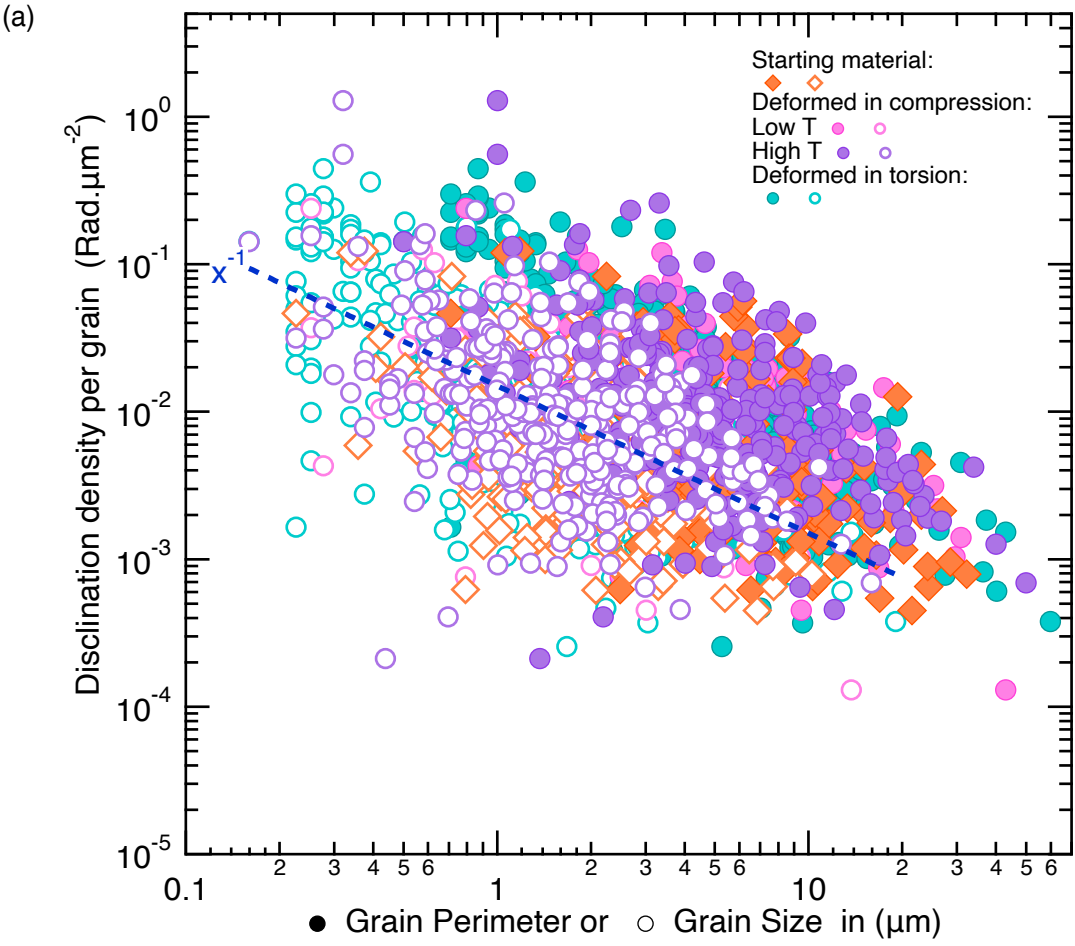
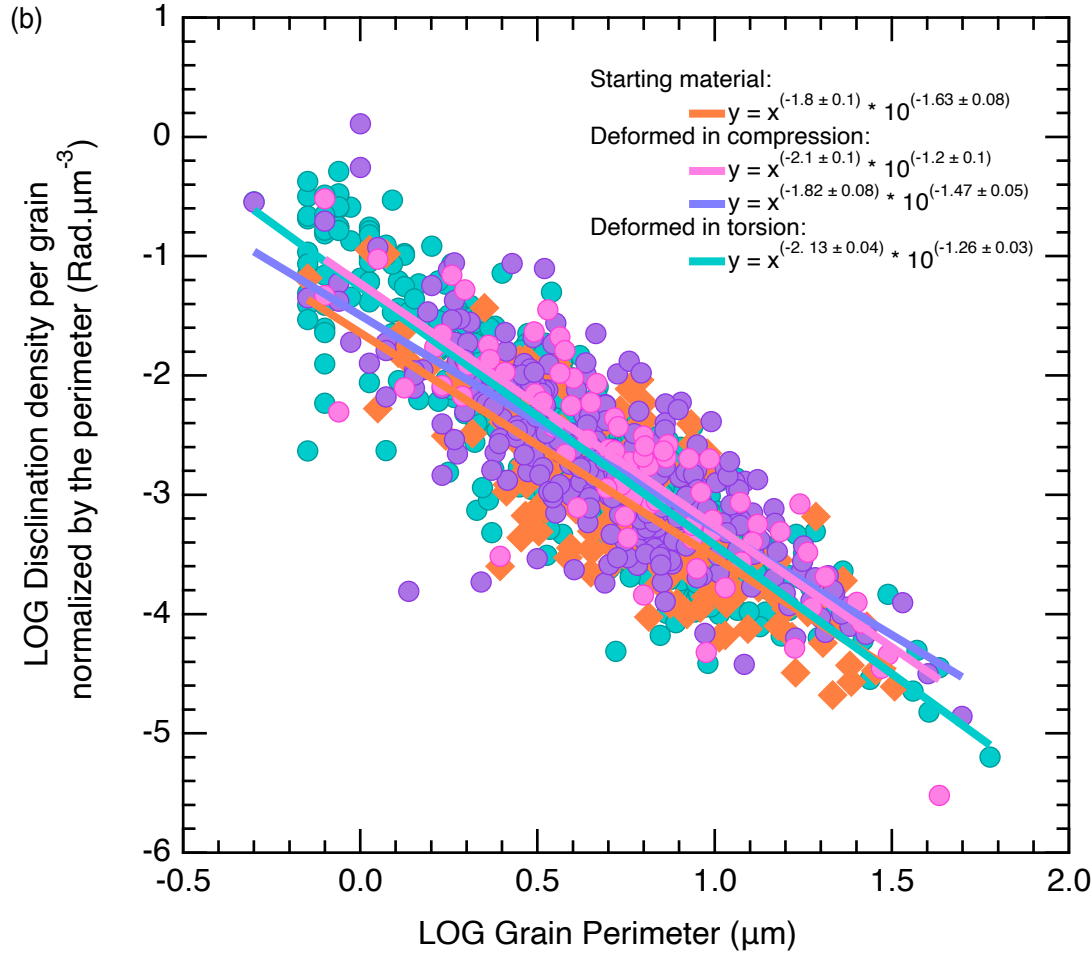

(a)
Starting material:
Deformed in compression:
Low T
High T
Deformed in torsion:
x^-1
Disclination density per grain (Rad.µm^-2)
10^0
10^-1
10^-2
10^-3
10^-4
10^-5
0.1
1
10
● Grain Perimeter or ○ Grain Size in (µm)


(b)
Starting material:
y = x^(-1.8 ± 0.1) * 10^(-1.63 ± 0.08)
Deformed in compression:
y = x^(-2.1 ± 0.1) * 10^(-1.2 ± 0.1)
y = x^(-1.82 ± 0.08) * 10^(-1.47 ± 0.05)
Deformed in torsion:
y = x^(-2. 13 ± 0.04) * 10^(-1.26 ± 0.03)
LOG Disclination density per grain normalized by the perimeter (Rad.µm^-3)
1
0
-1
-2
-3
-4
-5
-6
-0.5
0.0
0.5
1.0
1.5
2.0
LOG Grain Perimeter (µm)