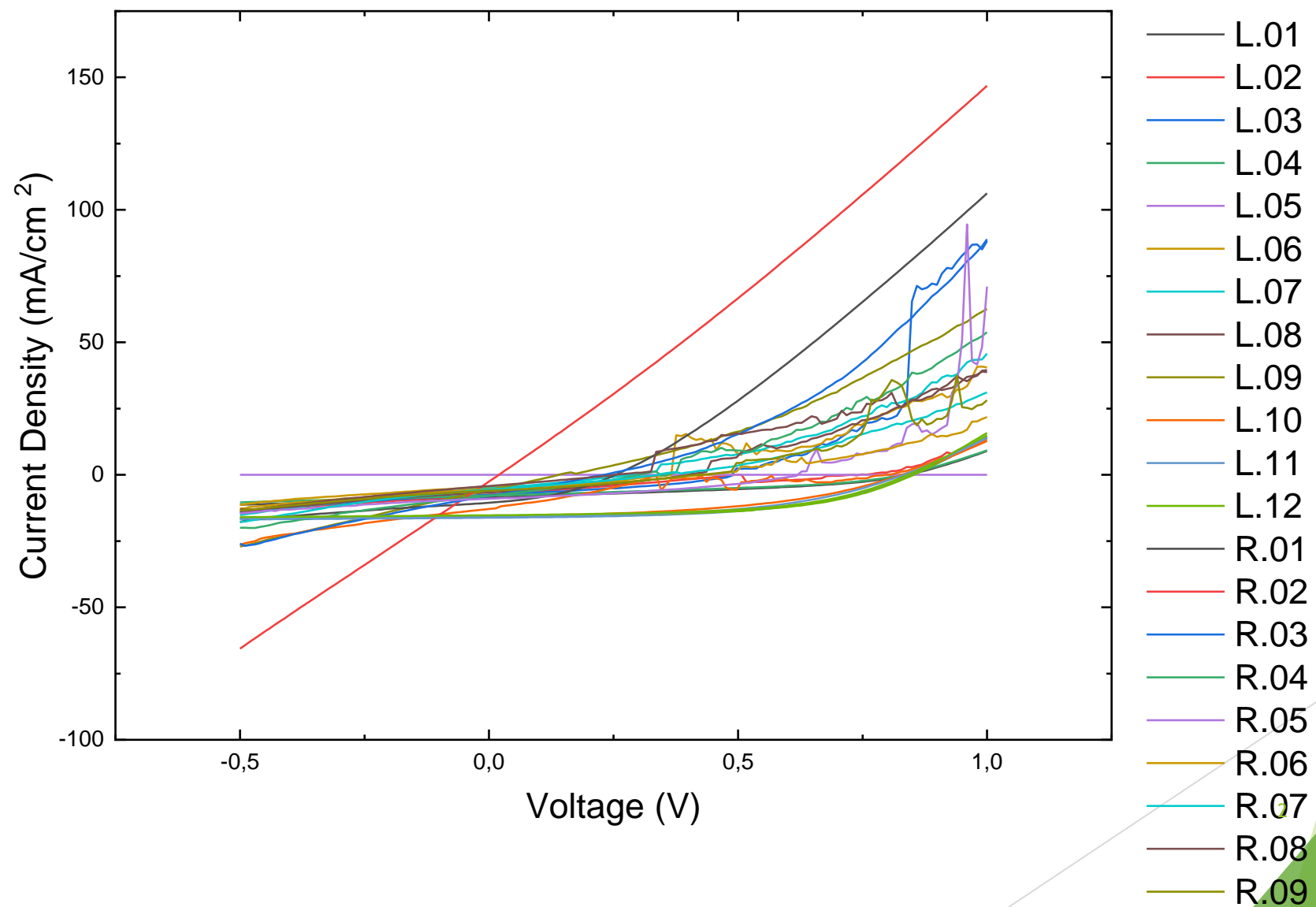


8E2A Batch

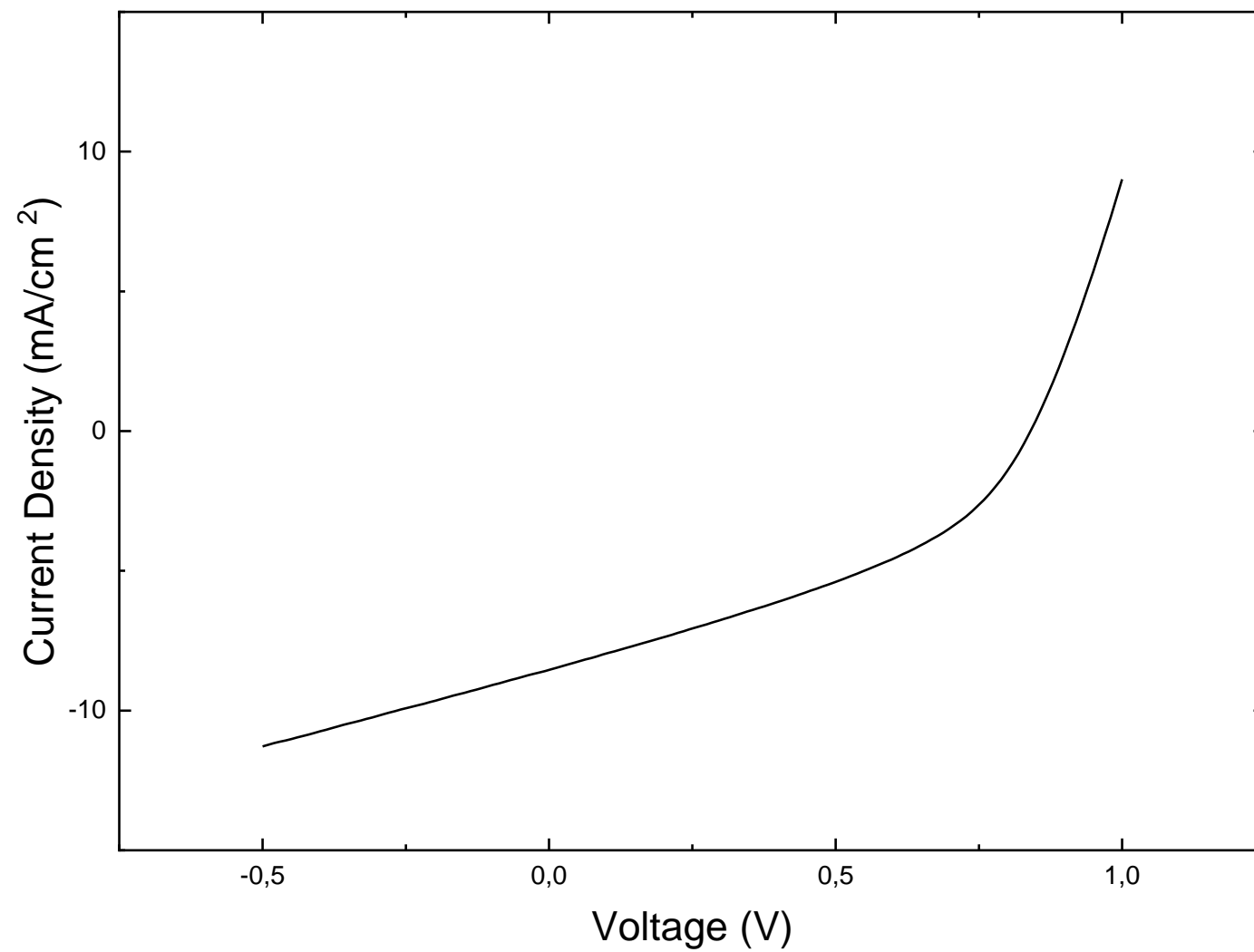
MGR

18_05_07

180507.MGR.8E2A.JV.Data.ALL.JVcurves

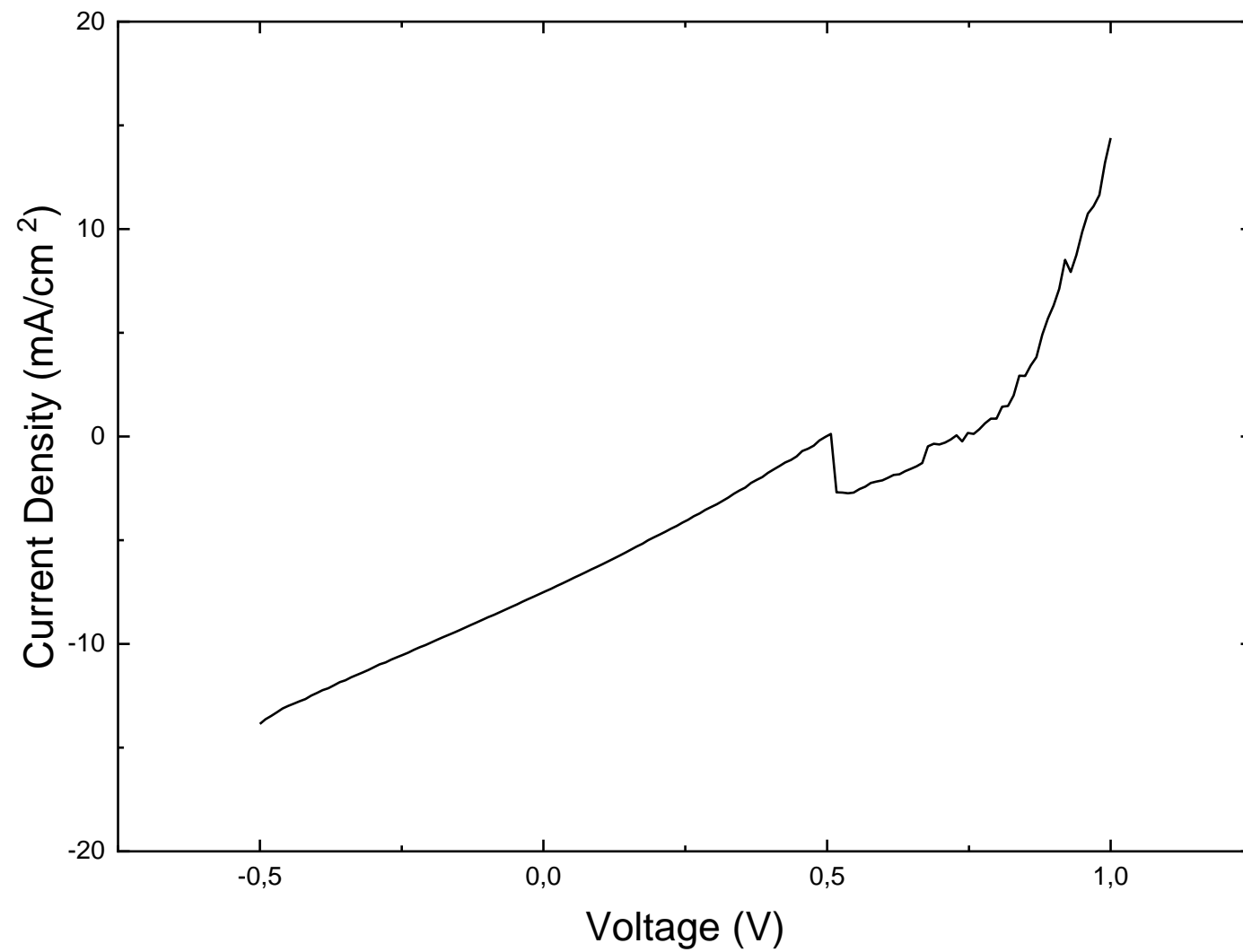


180507.MGR.8E2A.L.01.JVcurve



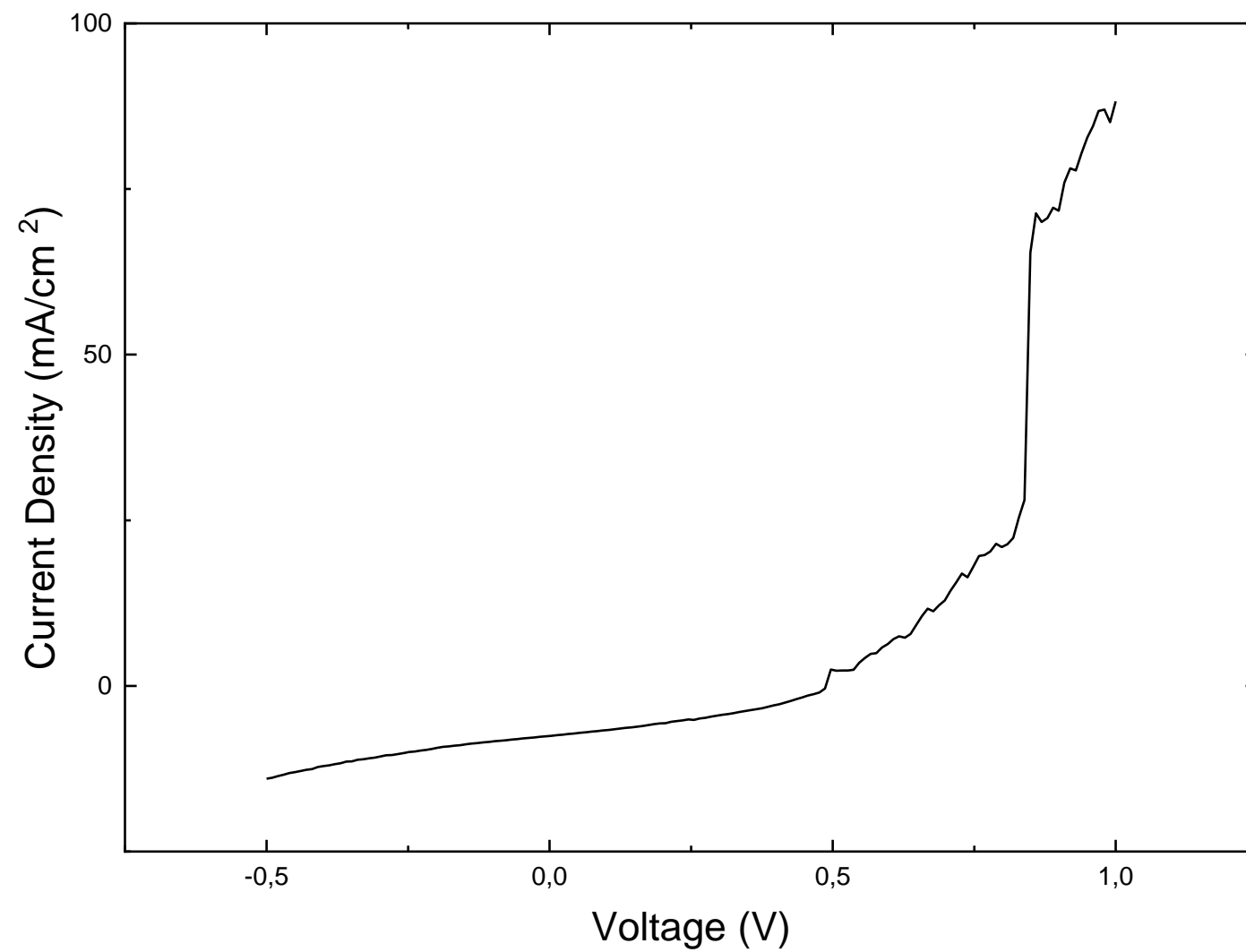
— Current Dens

180507.MGR.8E2A.L.02.JVcurve



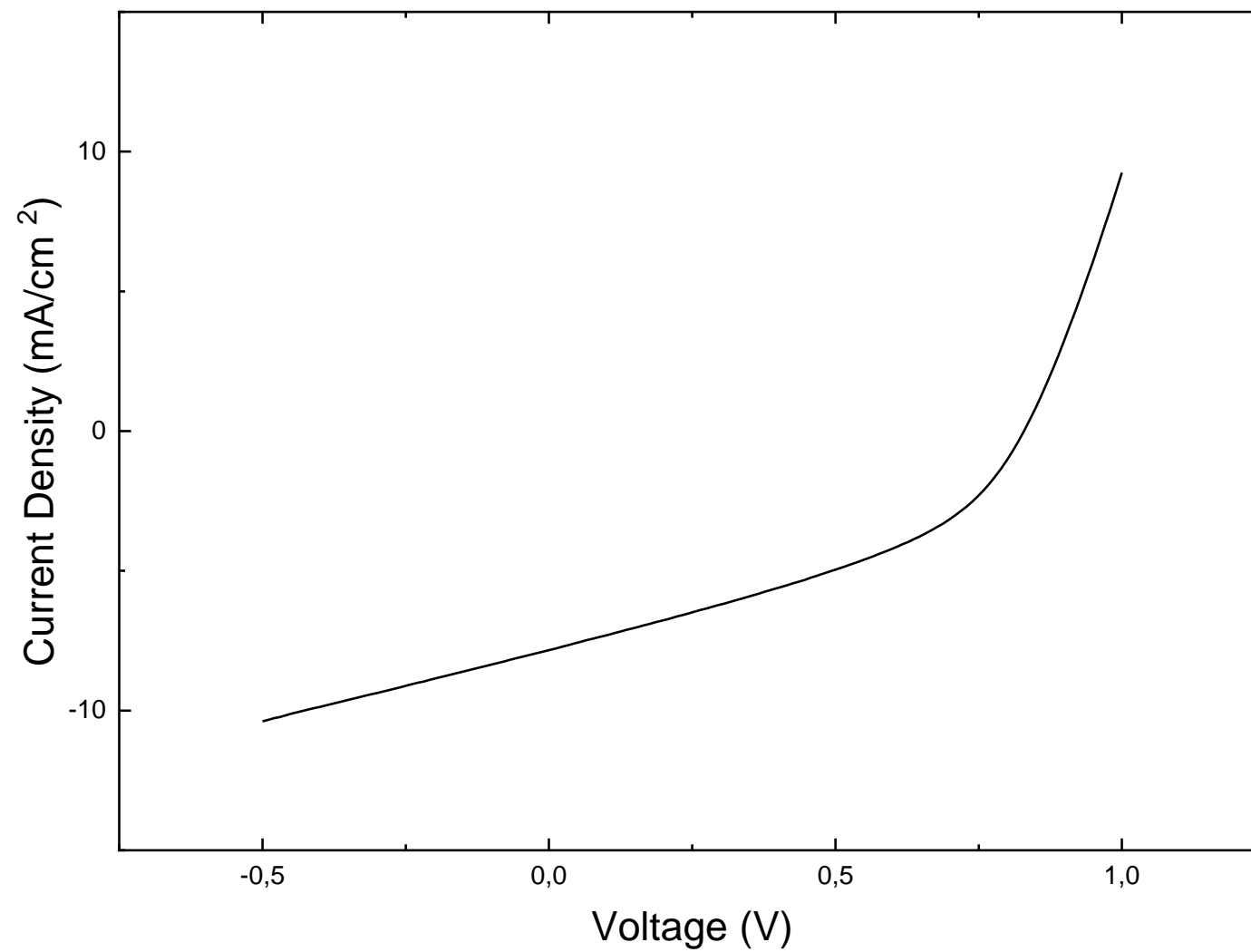
— Current Dens

180507.MGR.8E2A.L.03.JVcurve



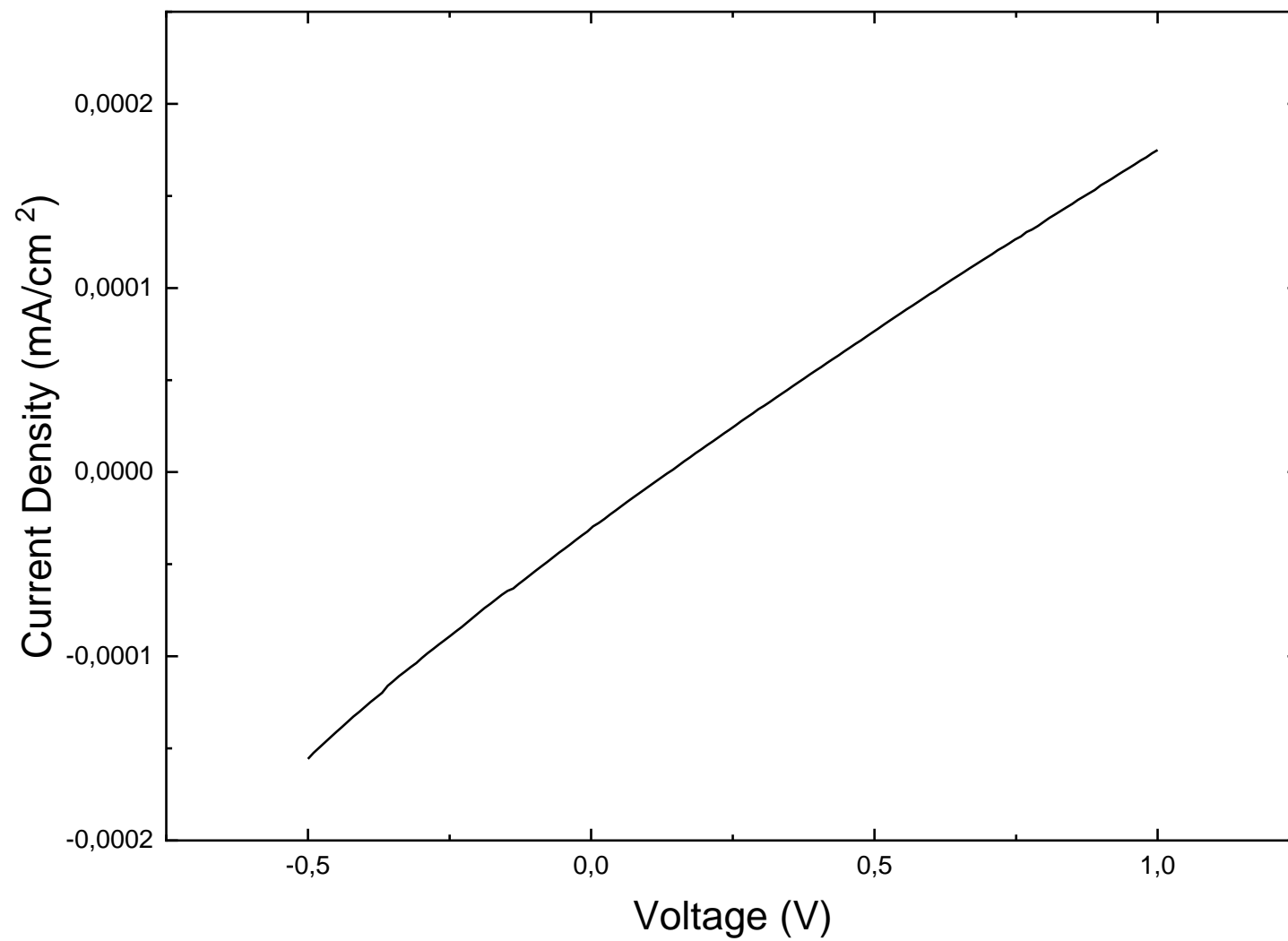
— Current Dens

180507.MGR.8E2A.L.04.JVcurve



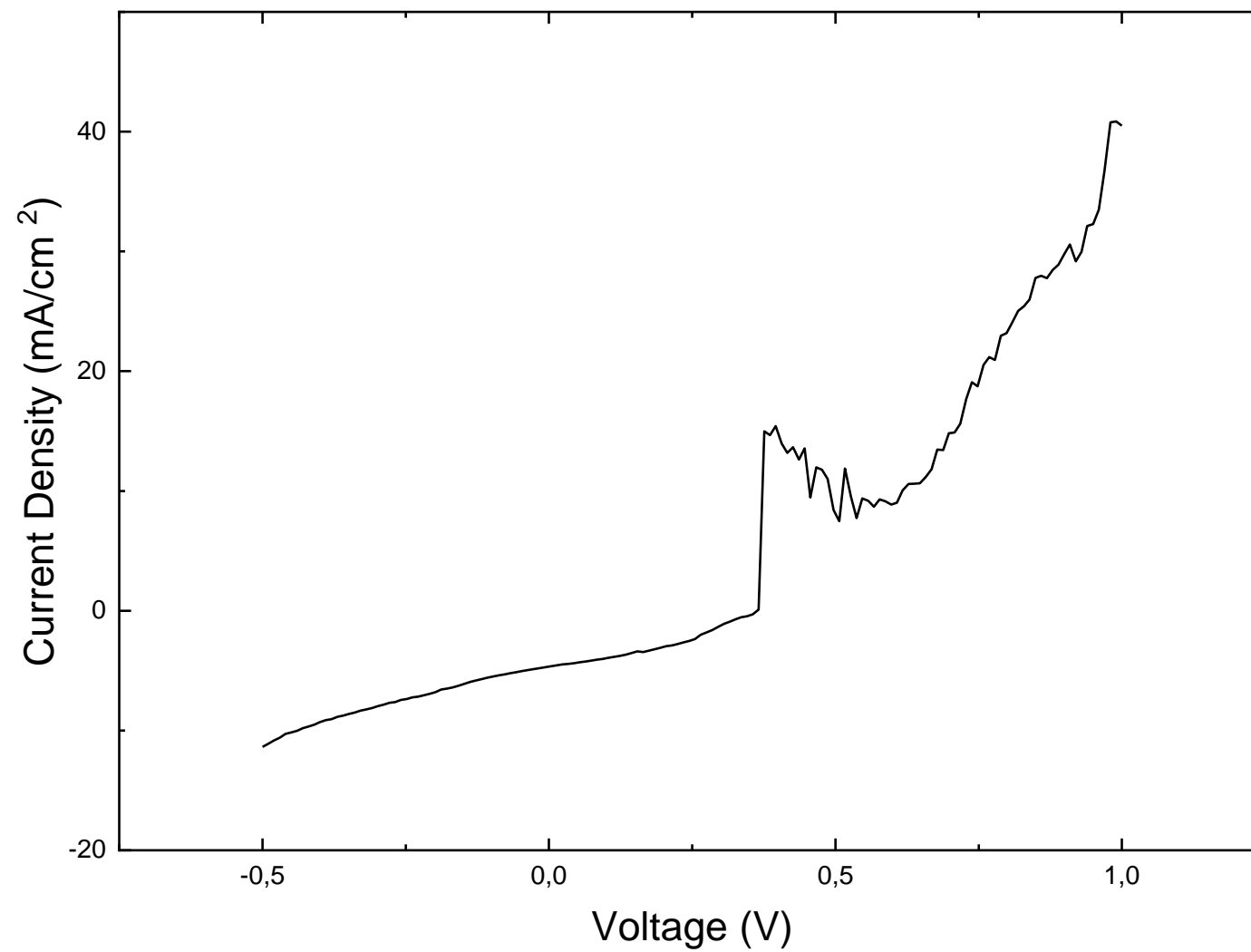
— Current Dens

180507.MGR.8E2A.L.05.JVcurve



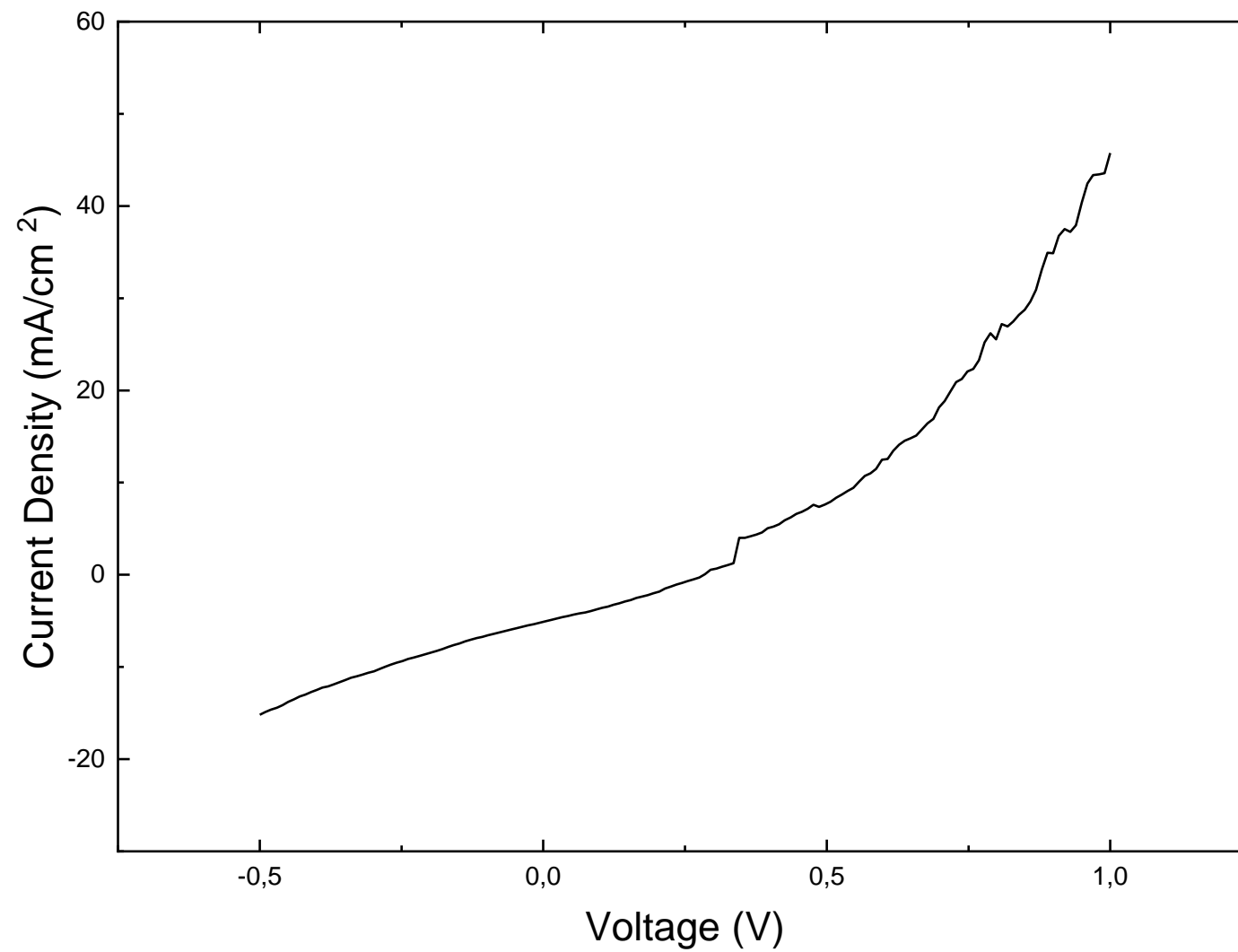
— Current Dens

180507.MGR.8E2A.L.06.JVcurve



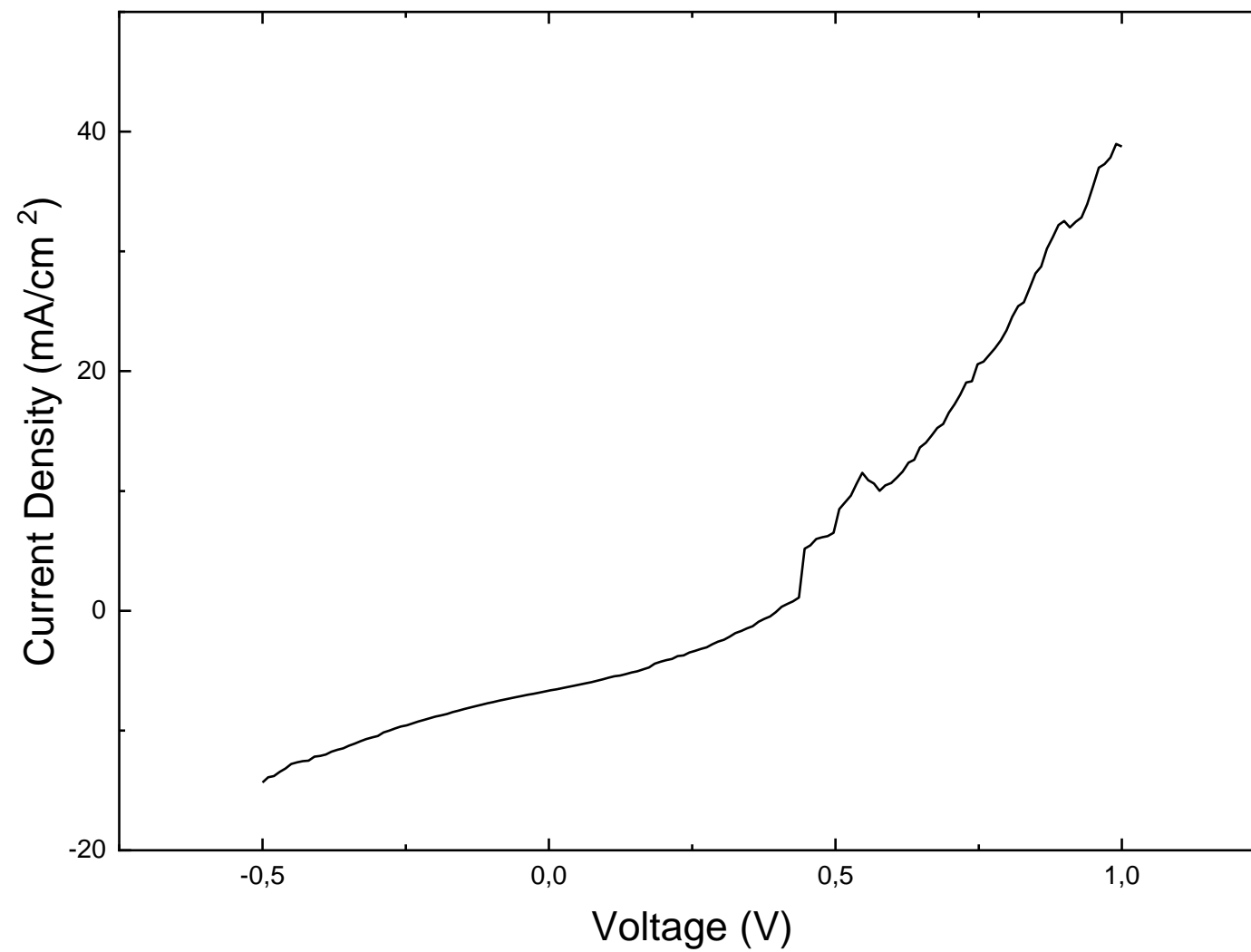
— Current Dens

180507.MGR.8E2A.L.07.JVcurve



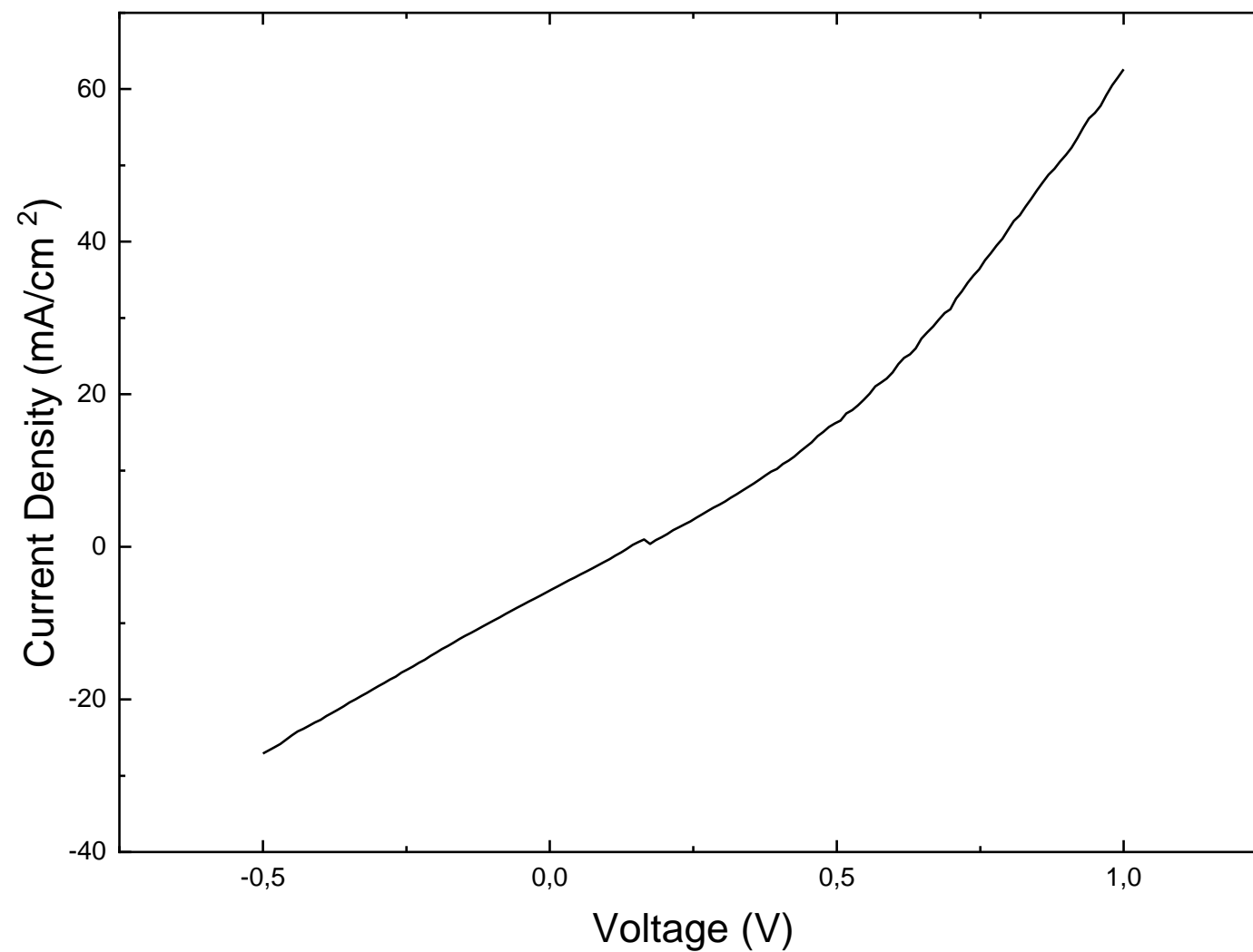
— Current Dens

180507.MGR.8E2A.L.08.JVcurve



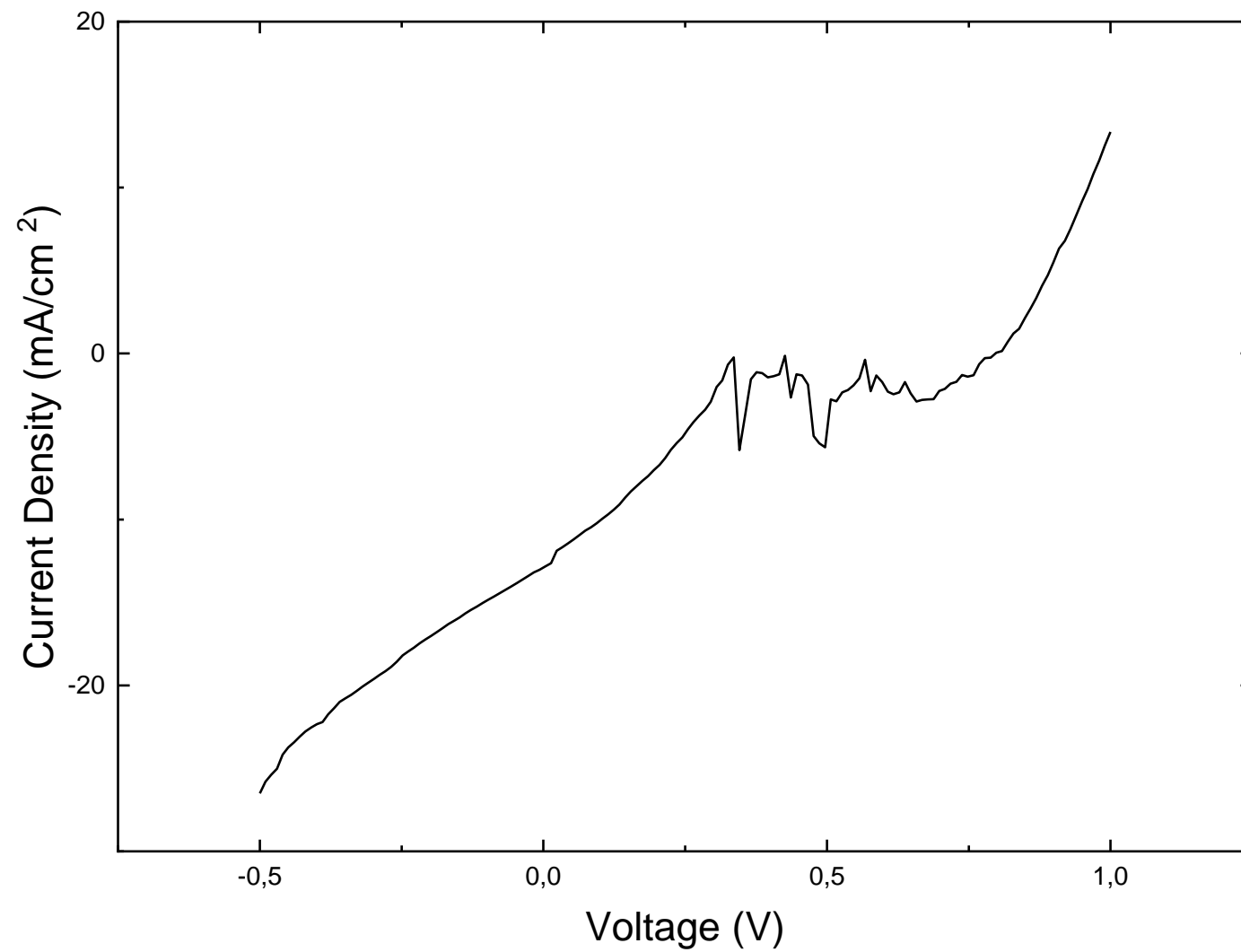
— Current Dens

180507.MGR.8E2A.L.09.JVcurve



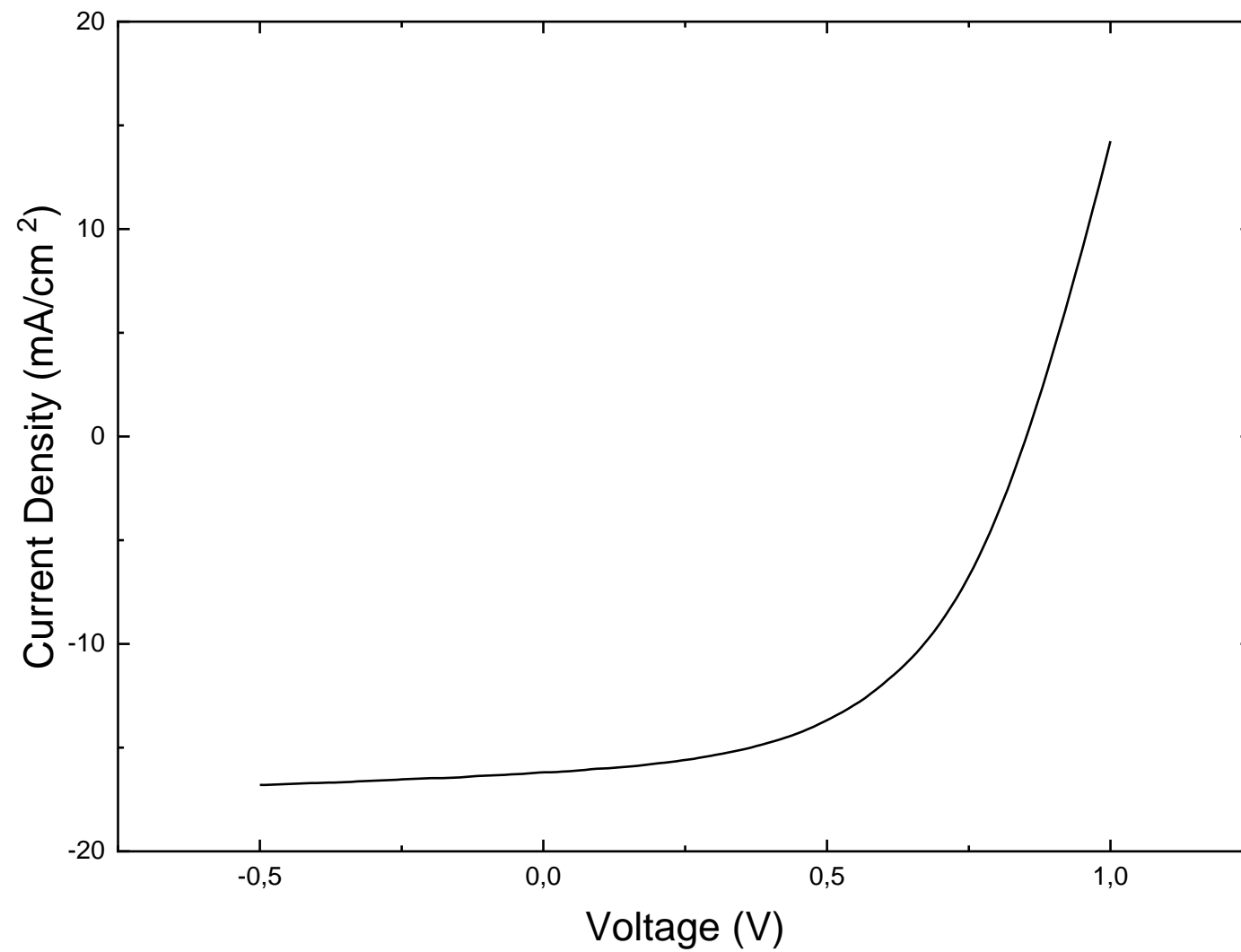
— Current Dens

180507.MGR.8E2A.L.10.JVcurve



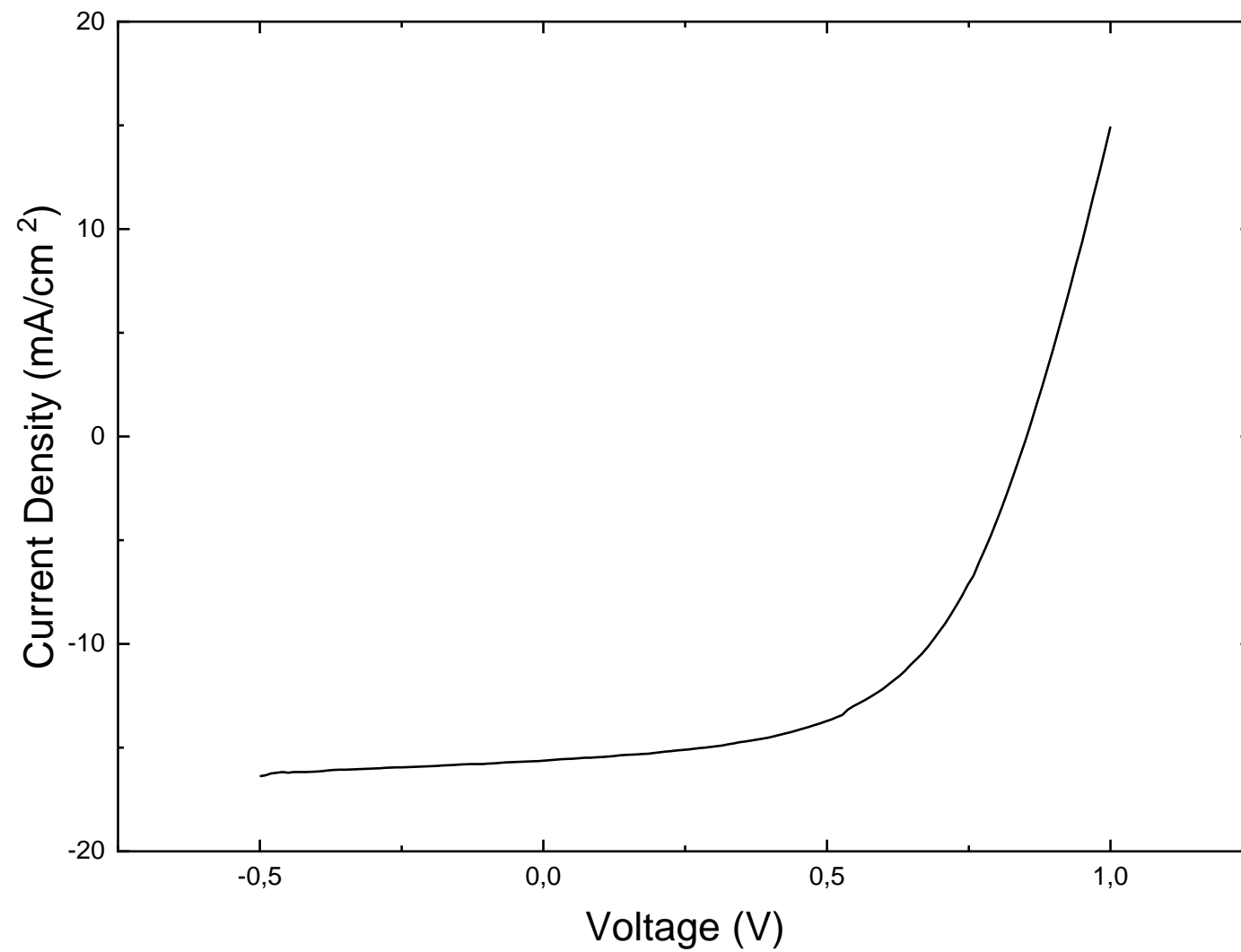
— Current Dens

180507.MGR.8E2A.L.11.JVcurve



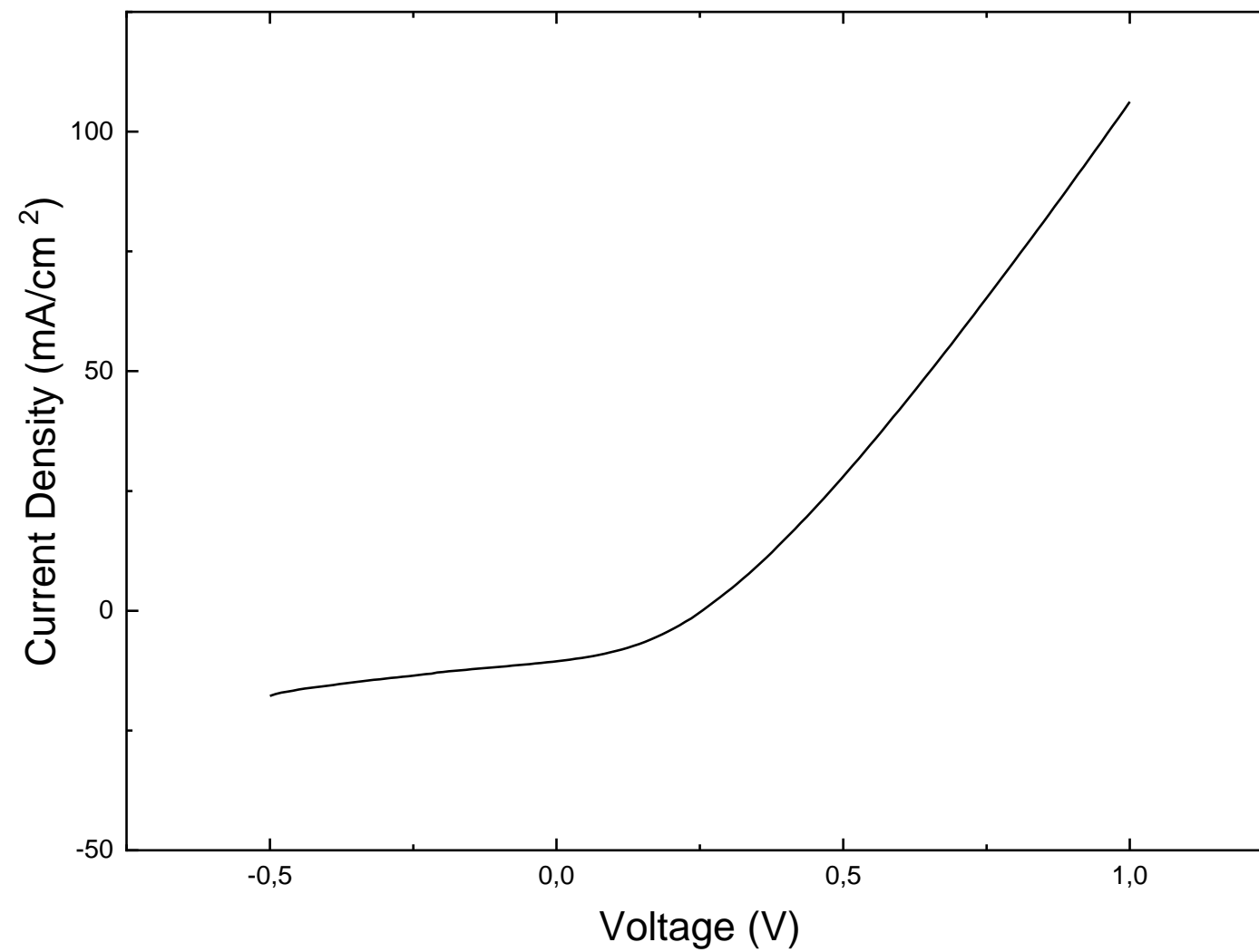
— Current Dens

180507.MGR.8E2A.L.12.JVcurve



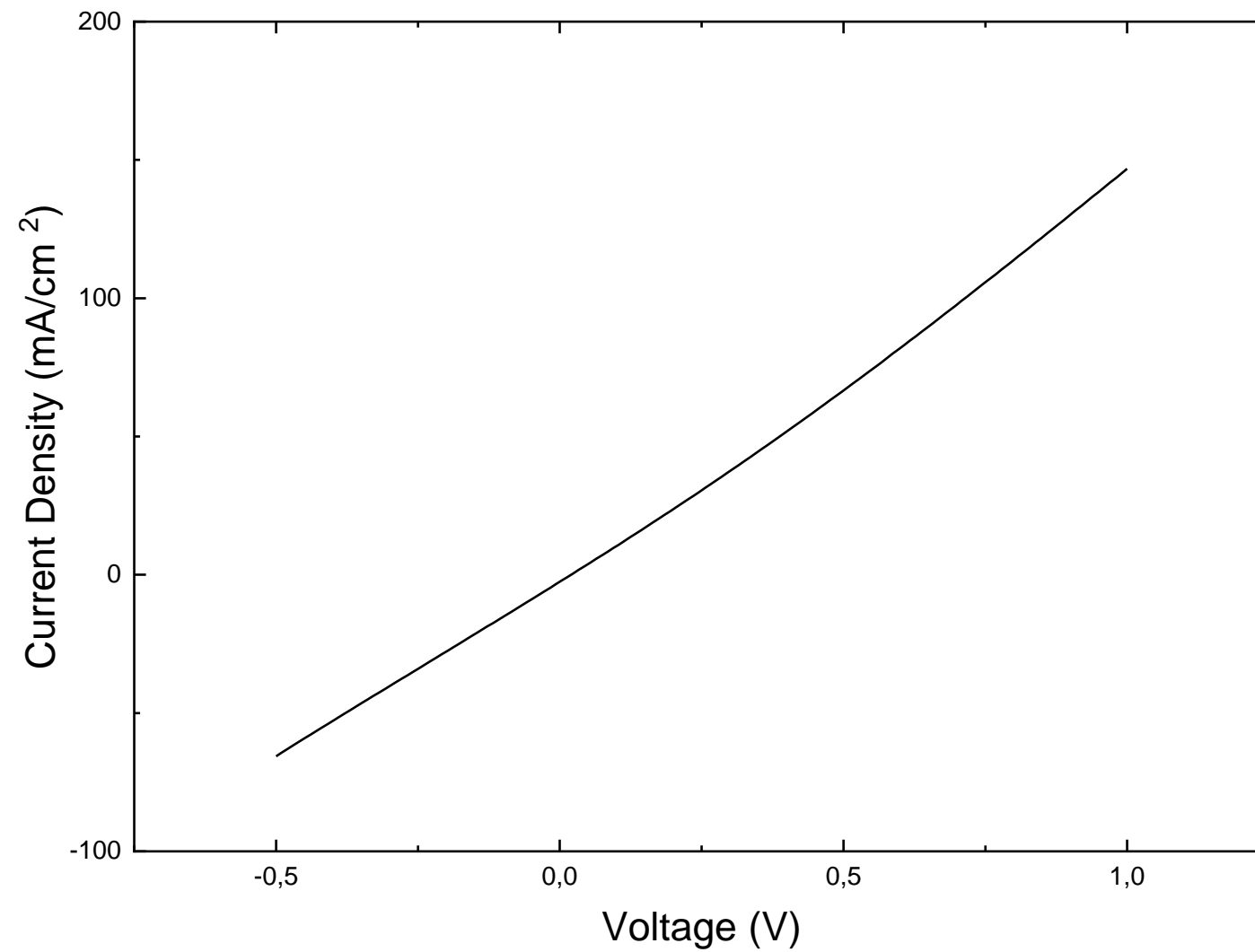
— Current Dens

180507.MGR.8E2A.R.01.JVcurve



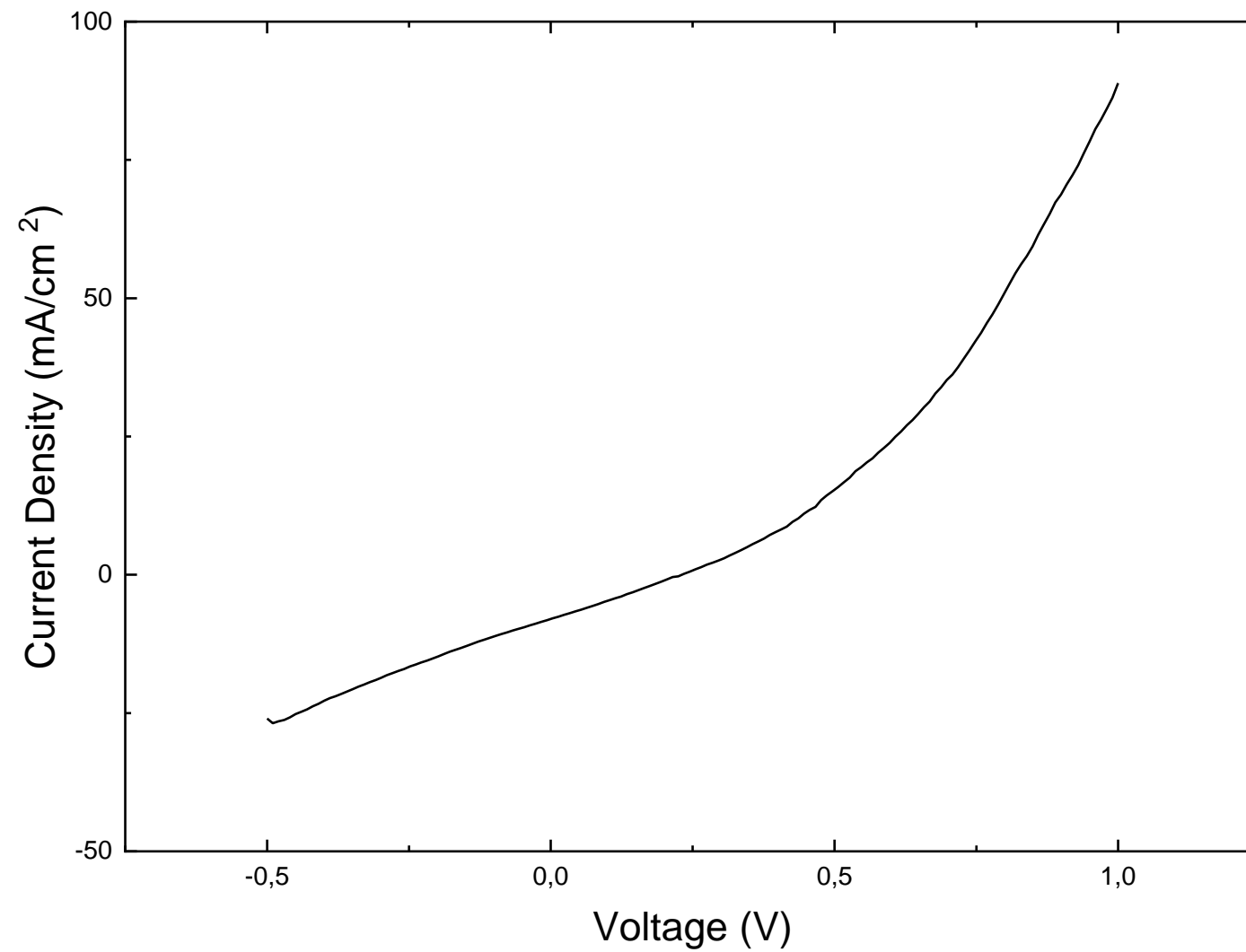
— Current Dens

180507.MGR.8E2A.R.02.JVcurve



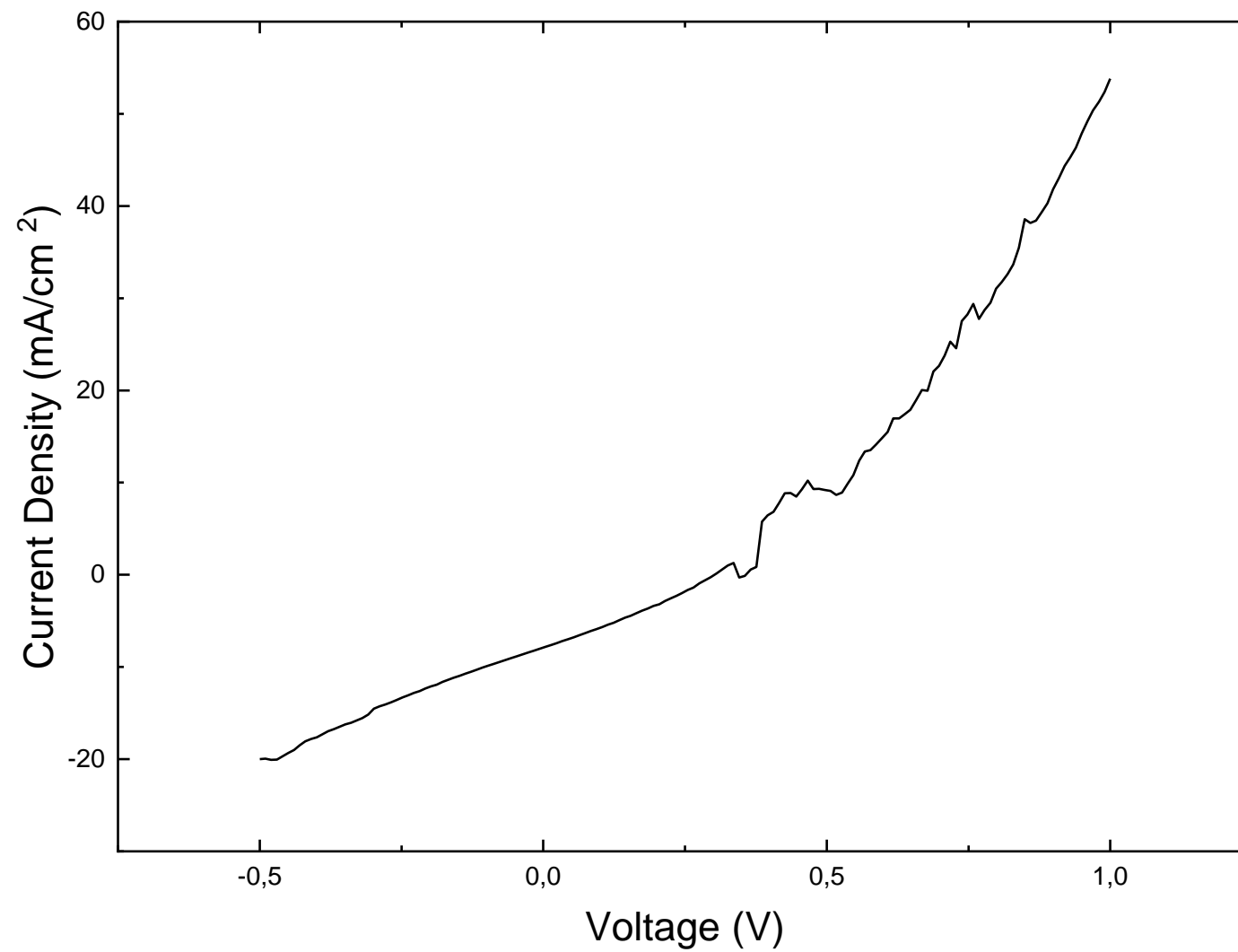
— Current Dens

180507.MGR.8E2A.R.03.JVcurve



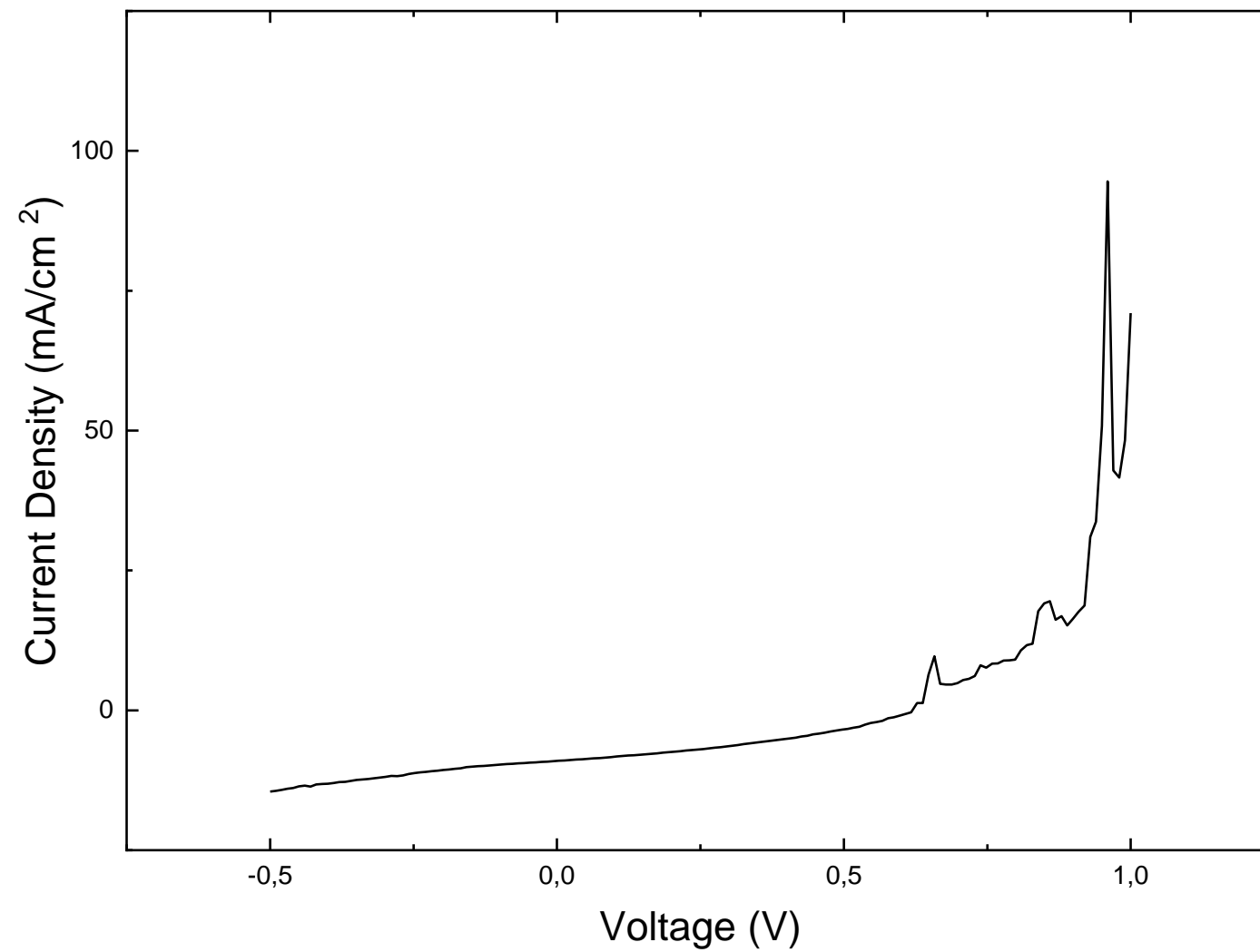
— Current Dens

180507.MGR.8E2A.R.04.JVcurve



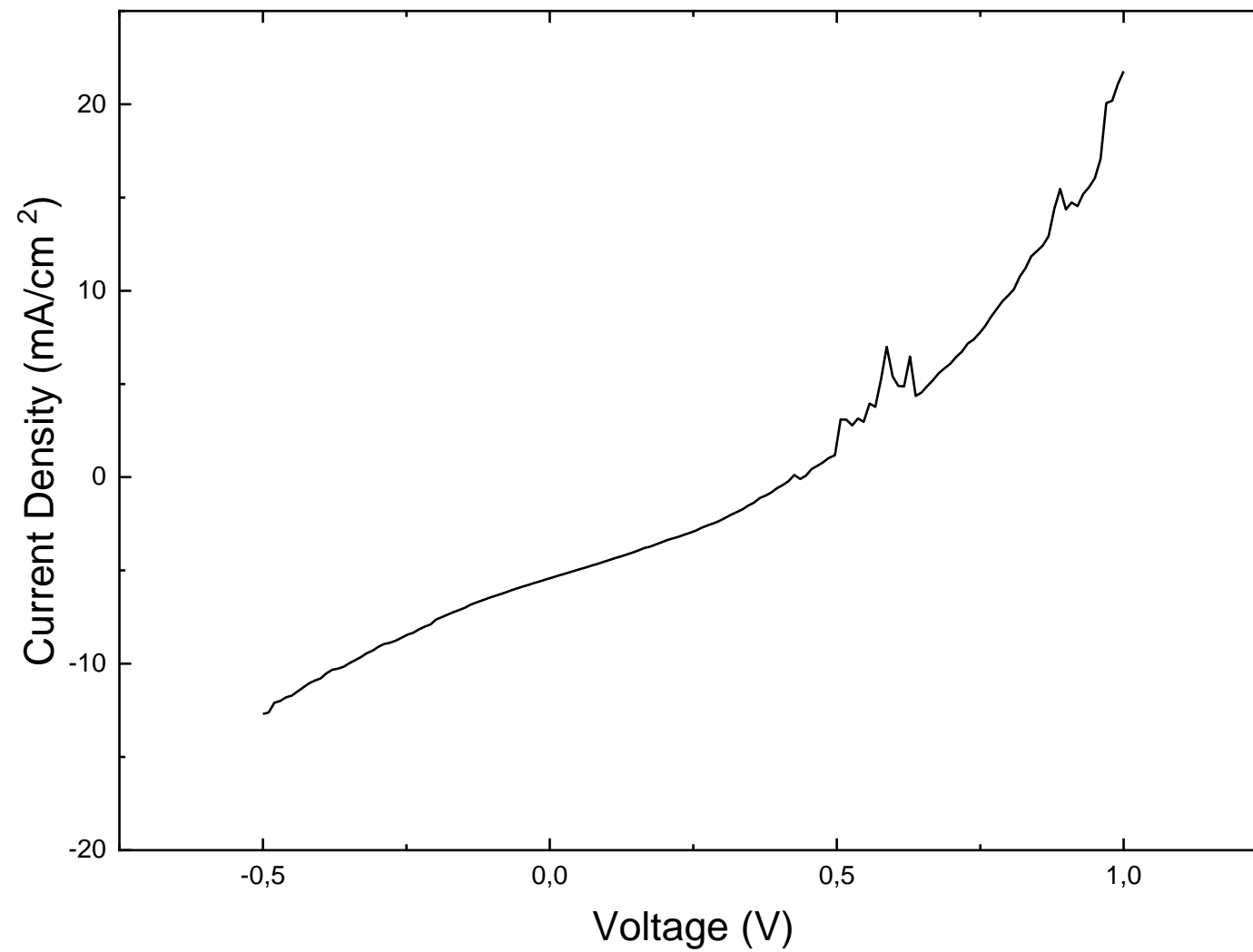
— Current Dens

180507.MGR.8E2A.R.05.JVcurve



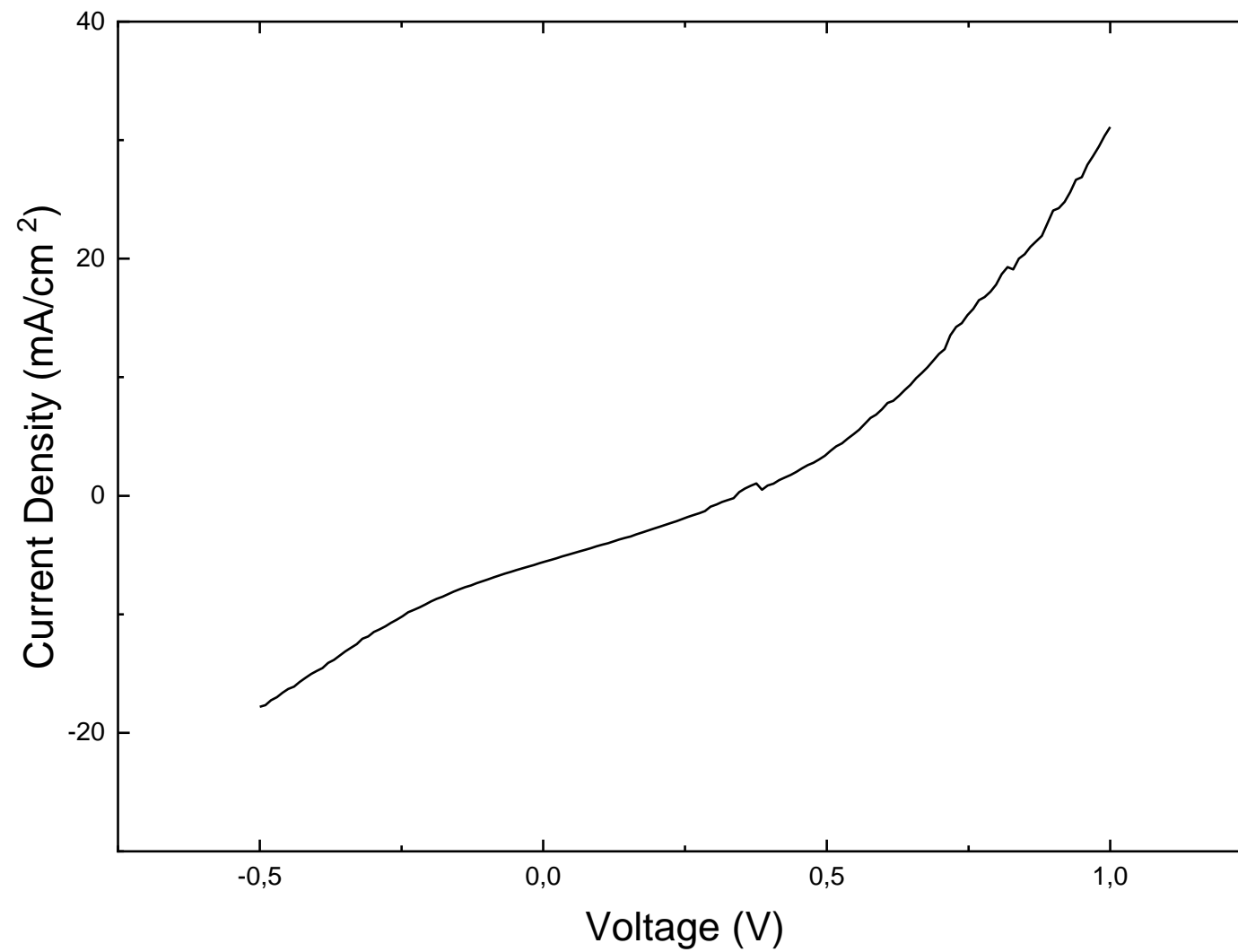
— Current Dens

180507.MGR.8E2A.R.06.JVcurve



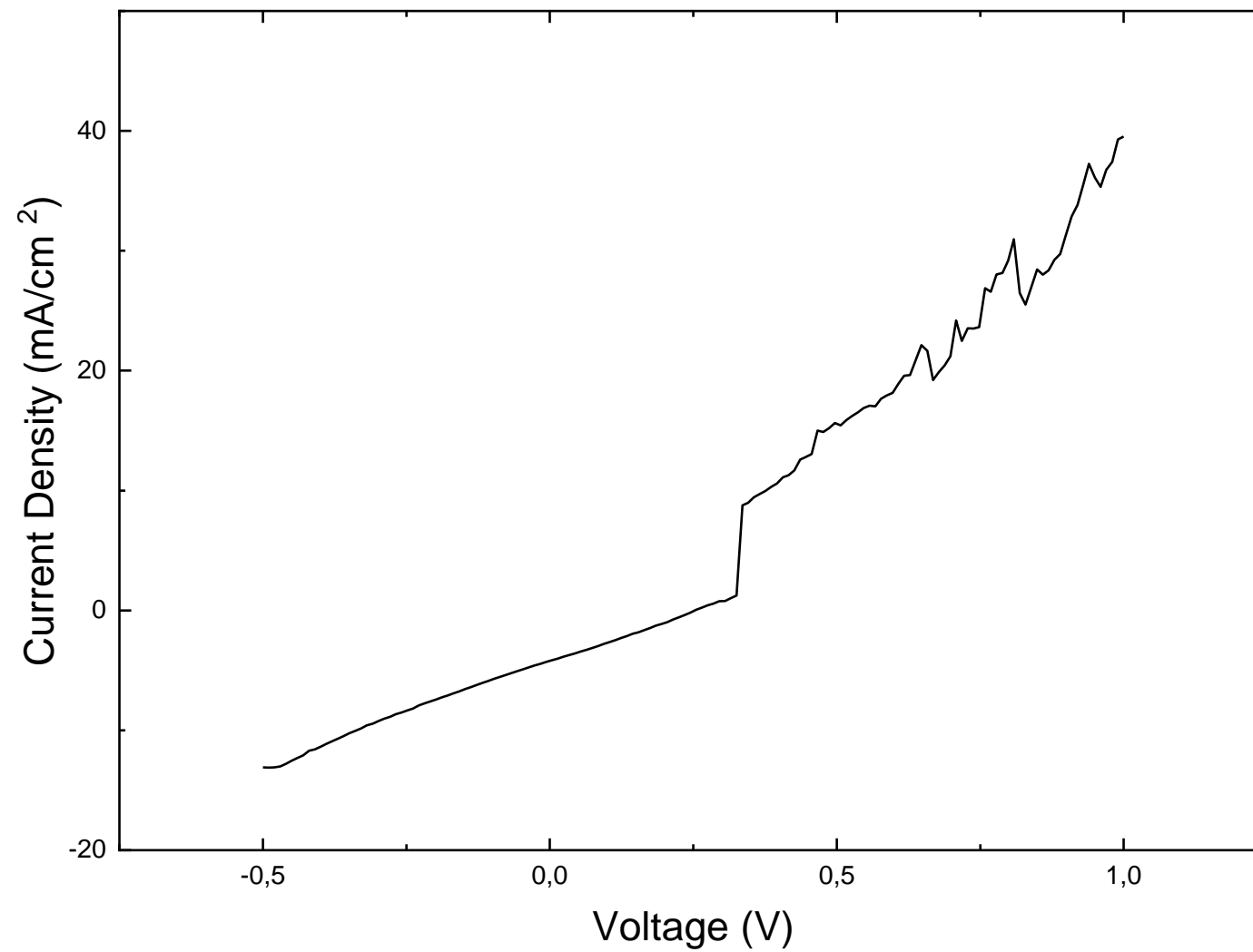
— Current Dens

180507.MGR.8E2A.R.07.JVcurve



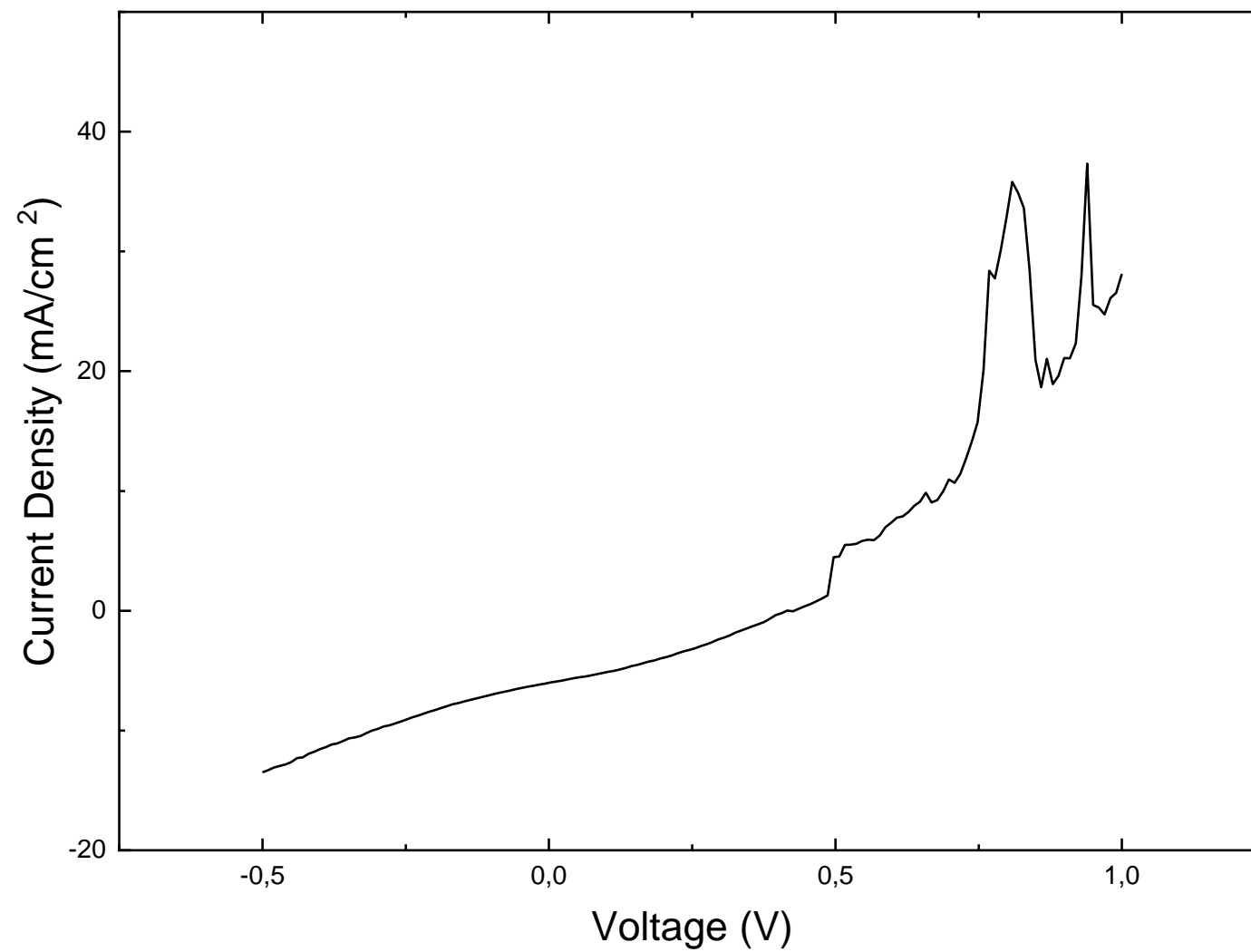
— Current Dens

180507.MGR.8E2A.R.08.JVcurve



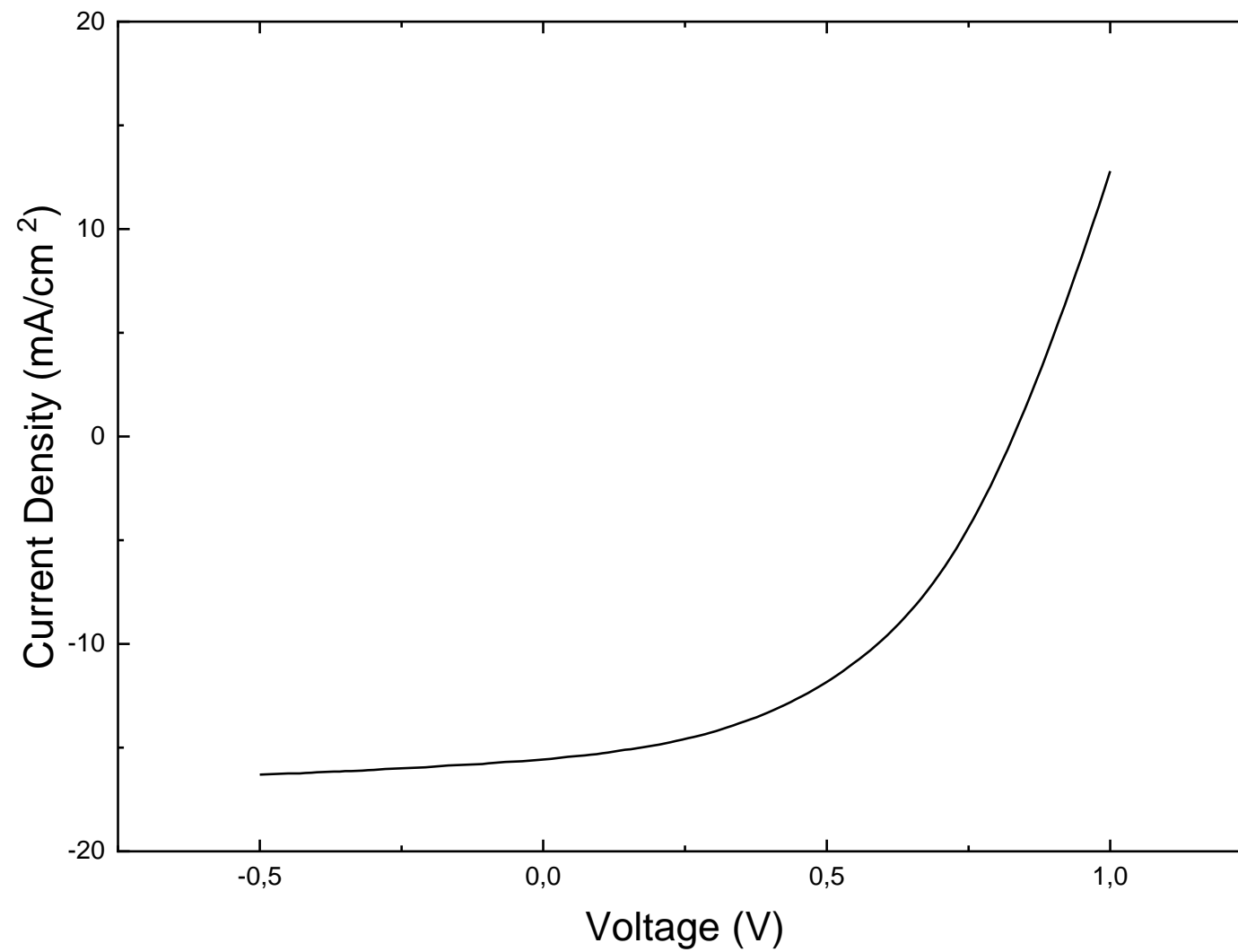
— Current Dens

180507.MGR.8E2A.R.09.JVcurve



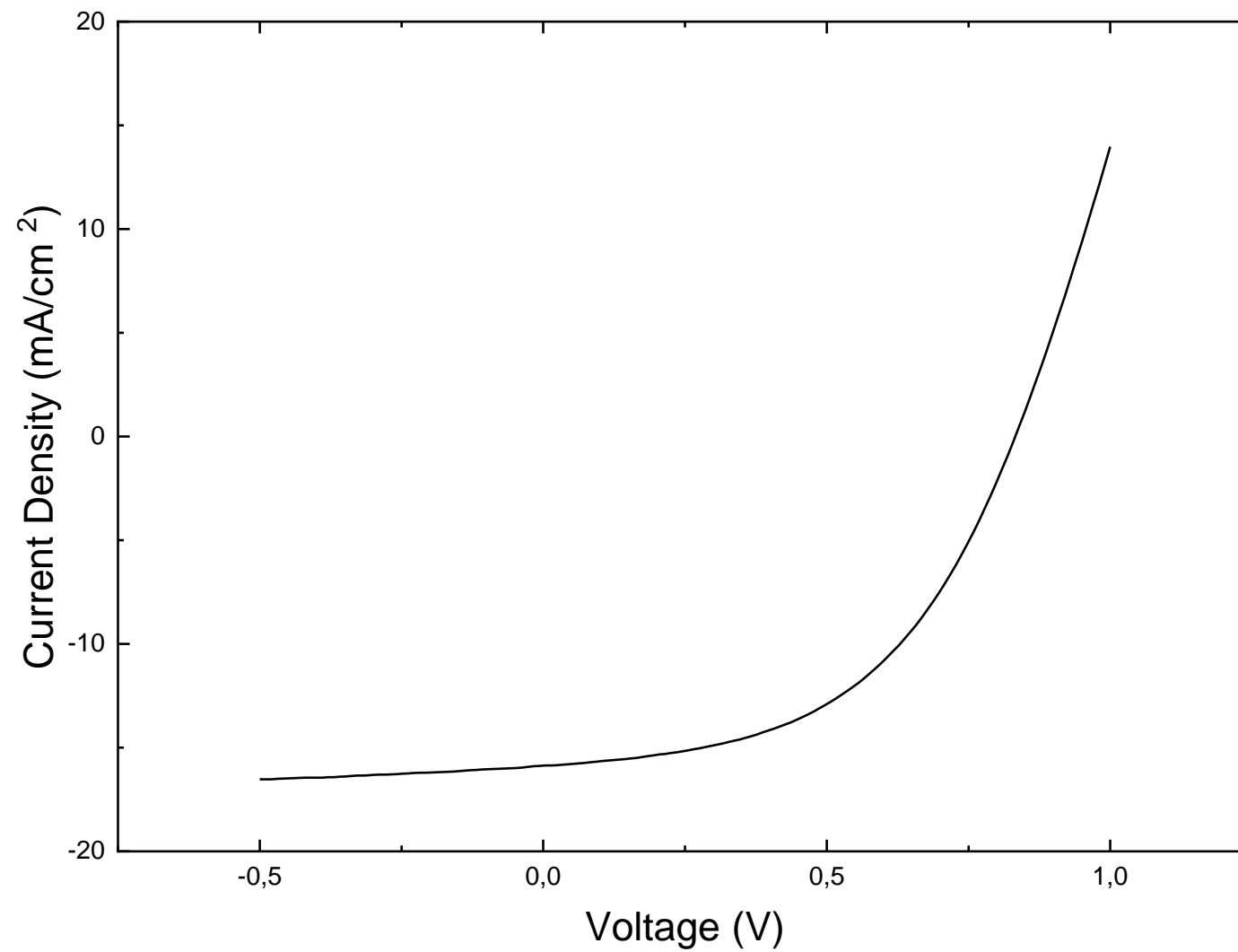
— Current Dens

180507.MGR.8E2A.R.10.JVcurve



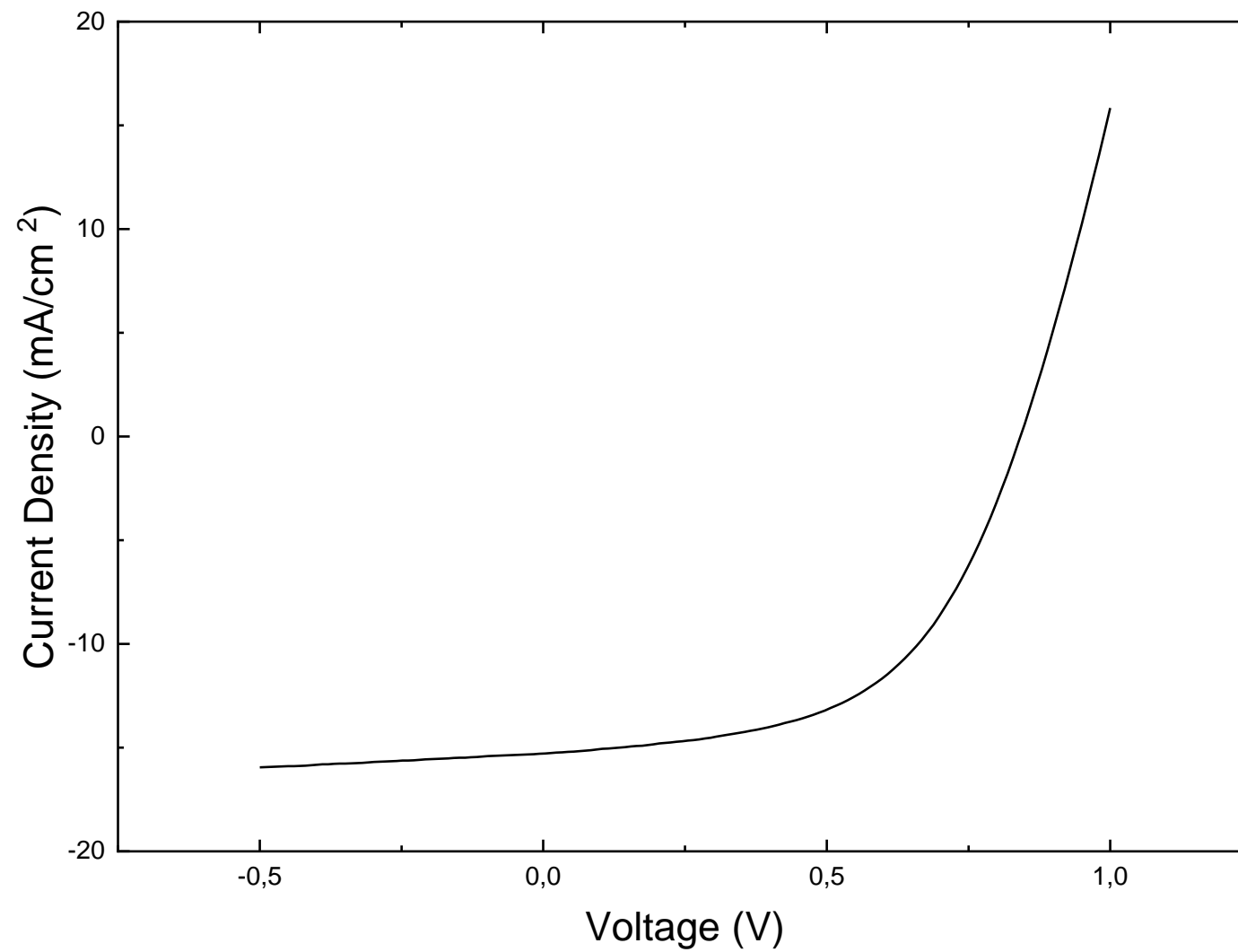
— Current Dens

180507.MGR.8E2A.R.11.JVcurve



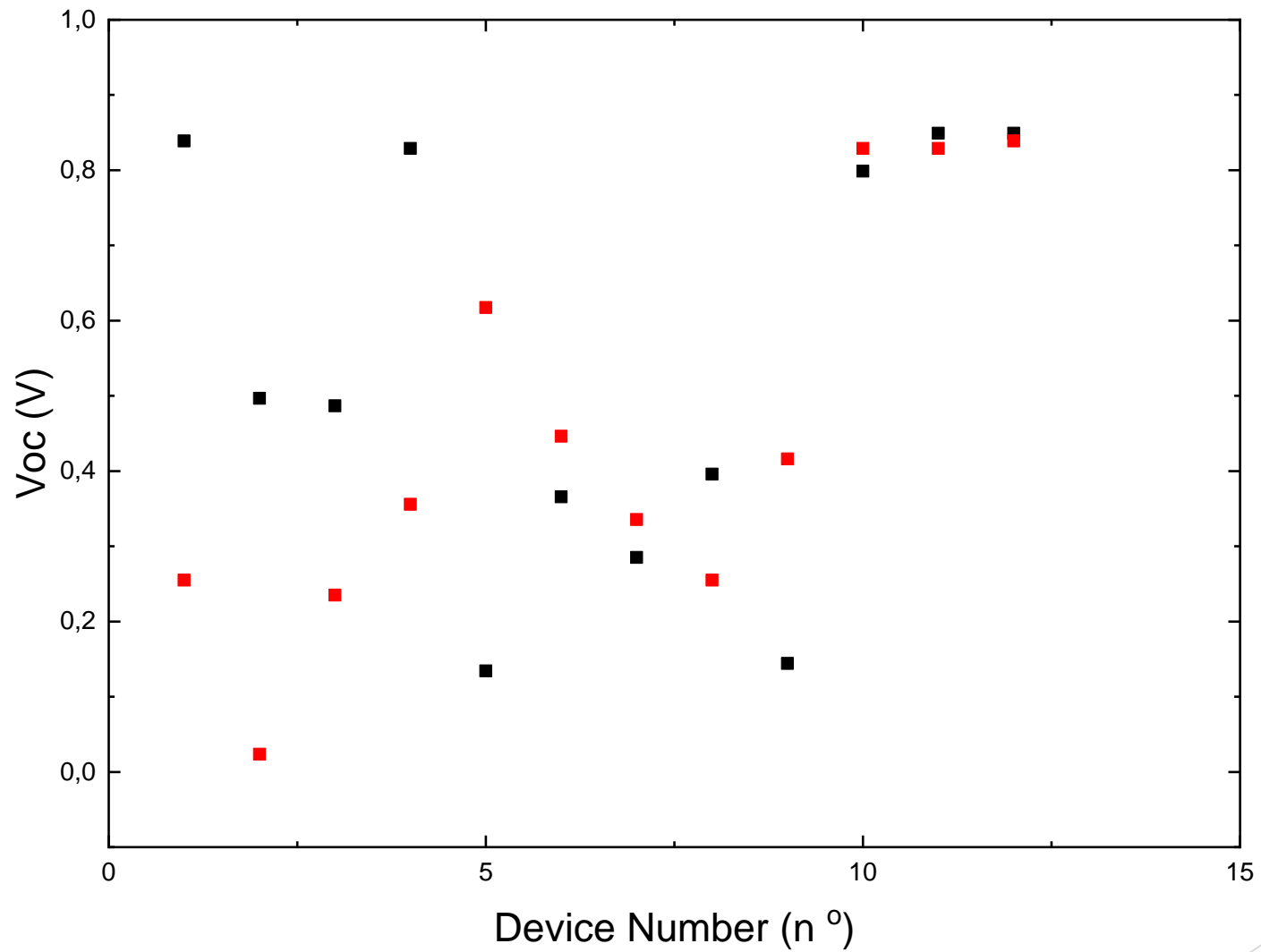
— Current Dens

180507.MGR.8E2A.R.12.JVcurve



— Current Dens

180507.MGR.8E2A.Voc



Layer Structure

ITO 100 nm

ZnO

5 mm/s 40 °C 50 uL 1150 um

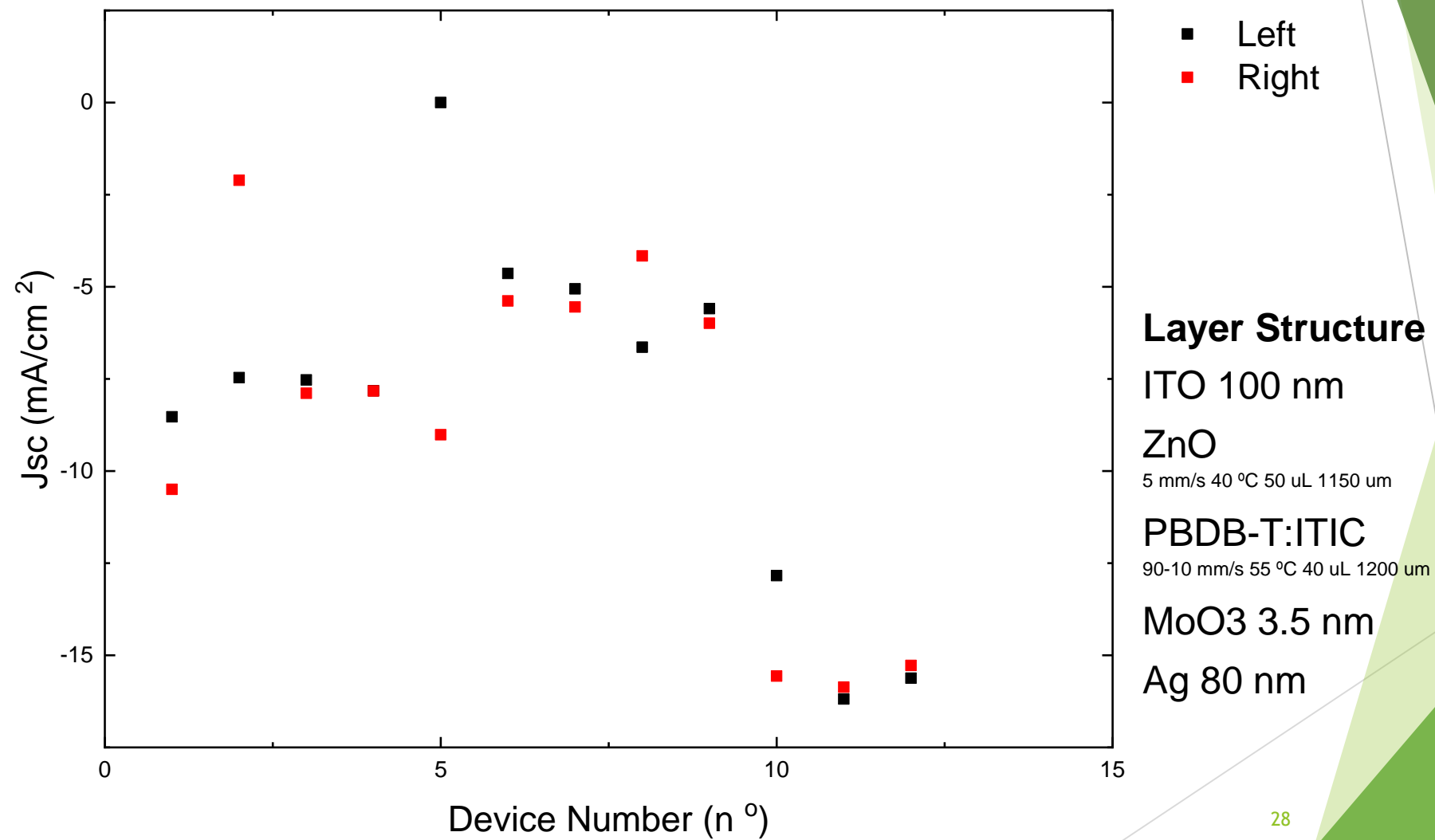
PBDB-T:ITIC

90-10 mm/s 55 °C 40 uL 1200 um

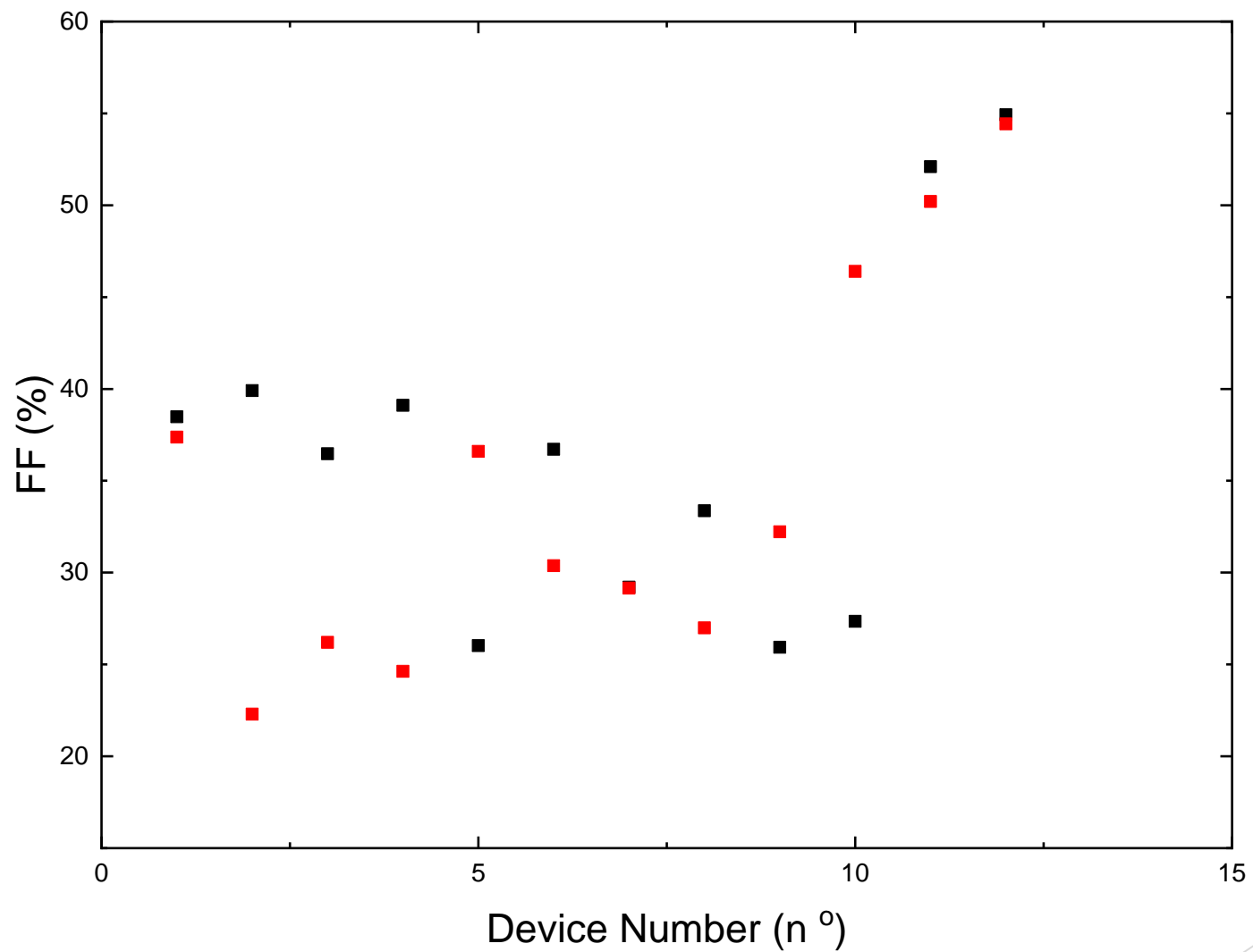
MoO3 3.5 nm

Ag 80 nm

180507.MGR.8E2A.Jsc



180507.MGR.8E2A.FF



Layer Structure

ITO 100 nm

ZnO

5 mm/s 40 °C 50 uL 1150 um

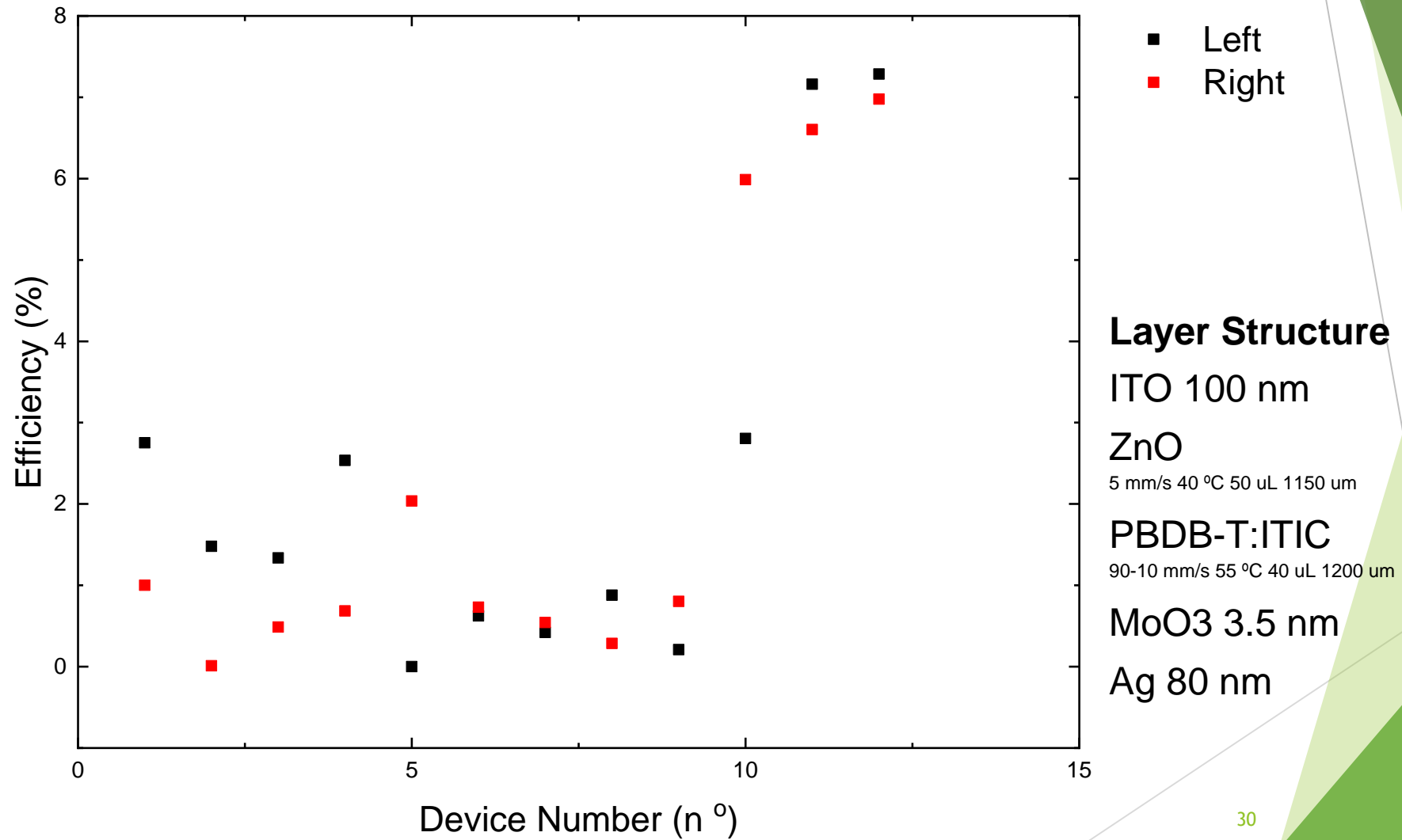
PBDB-T:ITIC

90-10 mm/s 55 °C 40 uL 1200 um

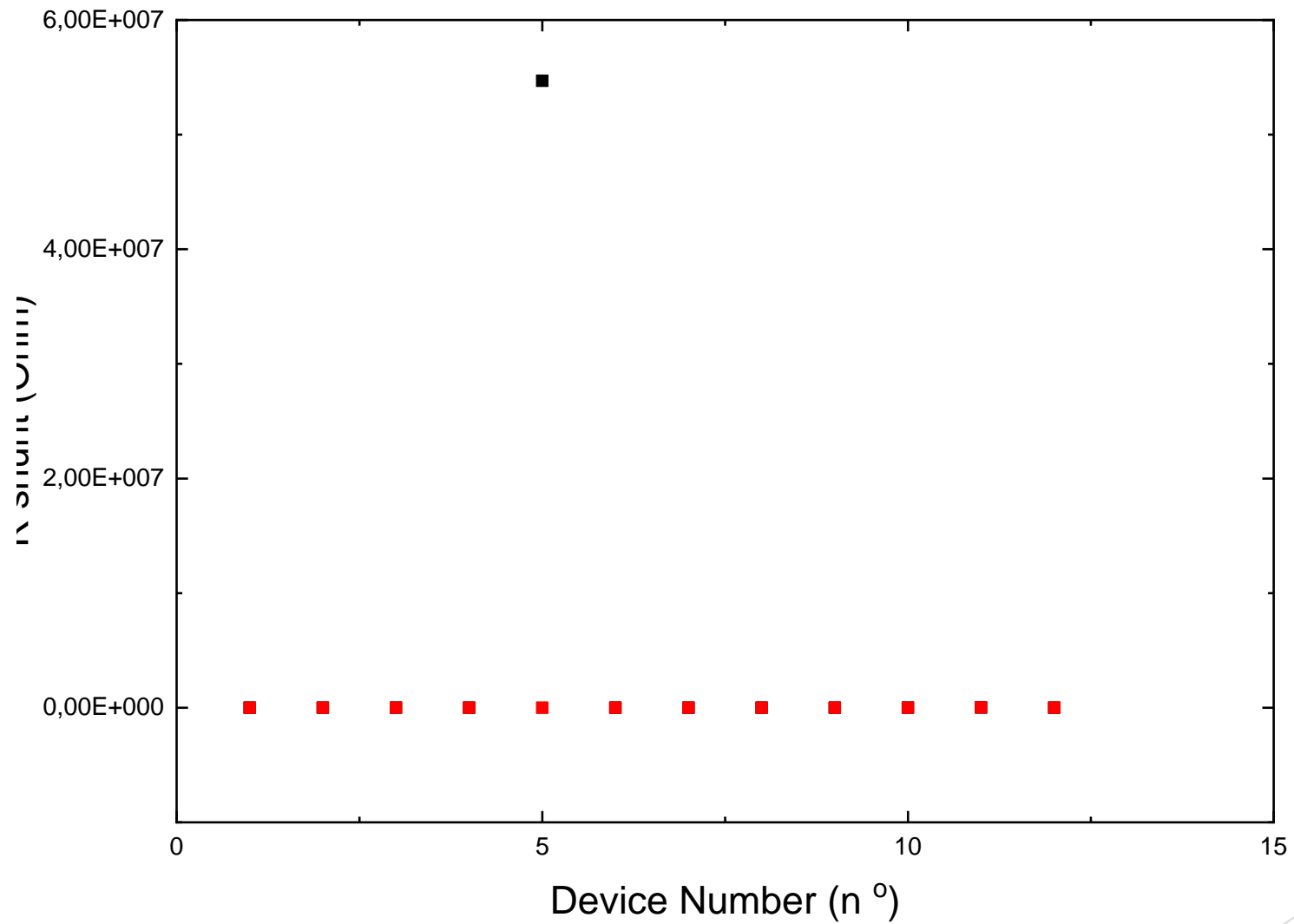
MoO3 3.5 nm

Ag 80 nm

180507.MGR.8E2A.Efficiency



180507.MGR.8E2A.R shunt



■ Left
■ Right

Layer Structure

ITO 100 nm

ZnO

5 mm/s 40 °C 50 uL 1150 um

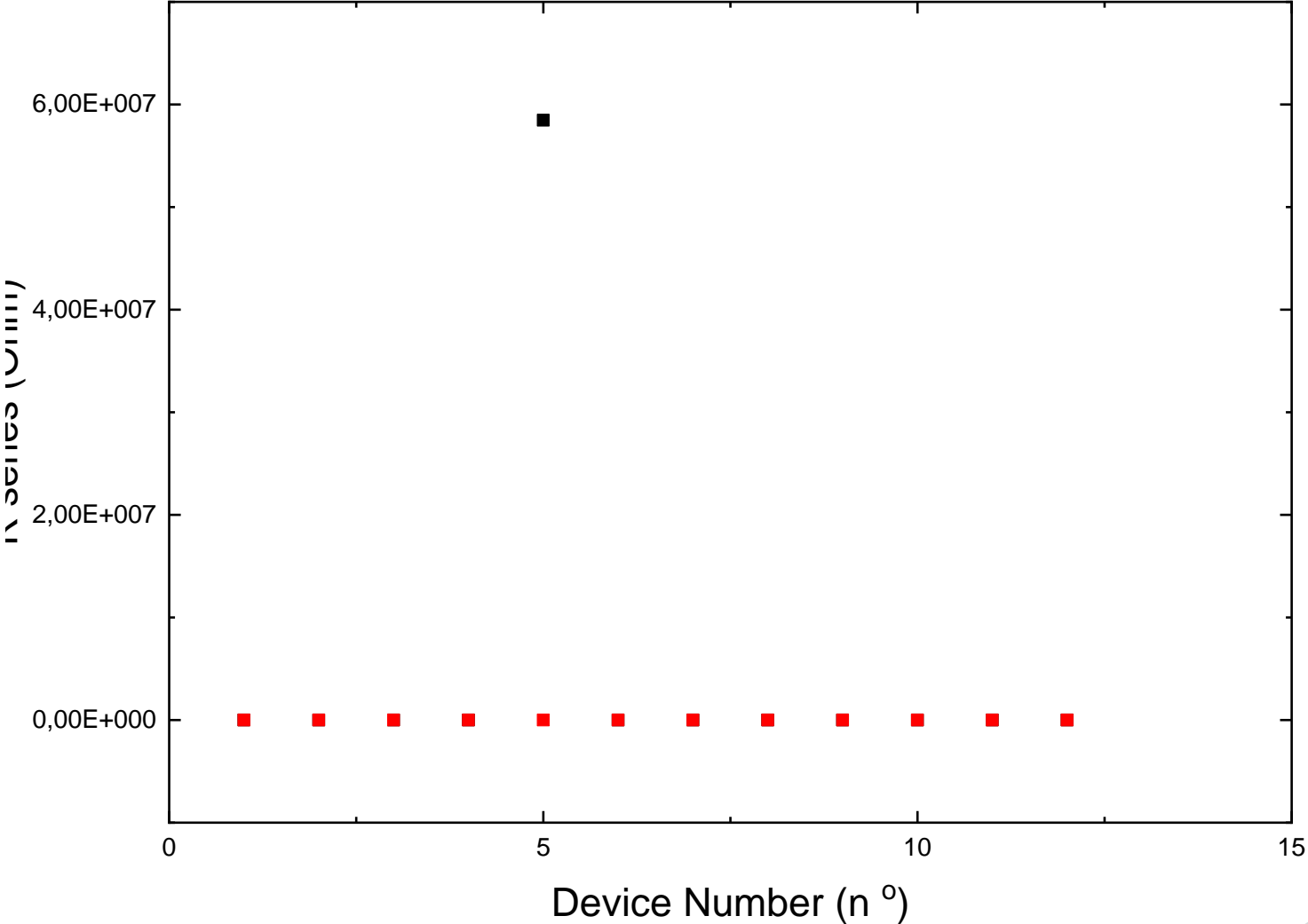
PBDB-T:ITIC

90-10 mm/s 55 °C 40 uL 1200 um

MoO3 3.5 nm

Ag 80 nm

180507.MGR.8E2A.R series



■ Left

■ Right

Layer Structure

ITO 100 nm

ZnO

5 mm/s 40 °C 50 uL 1150 um

PBDB-T:ITIC

90-10 mm/s 55 °C 40 uL 1200 um

MoO3 3.5 nm

Ag 80 nm

180507.MGR.8E2A.

