Chapter 2 corrections

Pg 7 – added definition for quantum capacitance

Pg 8 – references comparing on/off ratios to literature

Pg10 – changed 1E-7 notation throughout chapter to 1x10^-7

Pg12 – “Graphene is also a highly chemically stable material. In particular, it will not readily oxidise in an electrolyte solution due to having a large ‘electrochemical window’; in other words, it is too chemically stable to take part in electrochemical reactions within a large range of applied voltages” 🡪 “Graphene will not oxidise in electrolyte due to its large “electrochemical window”. A material with a large electrochemical window will remain stable under a large range of voltages.”

Pg13 – overview of different graphene film fabrication methods added

Pg14 – Dirac point defined

Pg 14 – added to figure caption “*one of which exhibited a double-minimum feature seen in longer transistor channels”*

Pg 14 – added explanation of dual-gate

P18 – added energy band schematic and revised discussion of energy band bending/gating

Pg 19 – added network composition schematics from Topinka and revised discussion of network chirality composition

Pg 23 – Expanded conclusion to give more of an idea of current field & future directions