METALLOPORPHYRINS BASED SEMICONDUCTING THIN FILMS DEPOSITION AND CHARACTERIZATION FOR ORGANIC FIELD EFFECT TRANSISTOR

TAN PI LIN

UNIVERSITI SAINS MALAYSIA

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METALLOPORPHYRINS BASED SEMICONDUCTING THIN FILMS DEPOSITION AND CHARACTERIZATION FOR ORGANIC FIELD EFFECT TRANSISTOR

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LIST ABBREVIATIONS

OFET	Organic Field effect Transistor
OTFT	Organic Thin Film Transistor
MOSFET	Metal-oxide-semiconductor field-effect transistor
OEP	Octaethyl–21H, 23H–Porphine
OEP-Cu	Octaethyl–21H, 23H–Porphine Copper (II)
OEP-Ni	Octaethyl–21H, 23H–Porphine Nickel (II)
OEP-Zn	Octaethyl–21H, 23H–Porphine Zinc (II)
Proto-Zn	Protoporphyrin IX Zinc (II)
Proto-Co	Protoporphyrin IX Cobalt Chloride
AOEP	Annealed Octaethyl–21H, 23H–Porphine
AOEP-Cu	Annealed Octaethyl–21H, 23H–Porphine Copper (II)
AOEP-Ni	Annealed Octaethyl–21H, 23H–Porphine Nickel (II)
AOEP-Zn	Annealed Octaethyl–21H, 23H–Porphine Zinc (II)
AProto-Zn	Annealed Protoporphyrin IX Zinc (II)
AProto-Co	Annealed Protoporphyrin IX Cobalt Chloride
BCB	Benzocyclobutene
ITO	Indium Tin Oxide
i.e	Id est /that is
vs	Versus
Ag	Silver
Au	Gold

Cu	Copper
Al	Aluminium
Pt	Platinum
Ge	Germanium
Si	Silicon
GaAs	Gallium arsenide
GaP	Gallium phosphide
HOMO	Highest occupied molecular orbital
LUMO	Lowest unoccupied molecular orbital
TCNQ	Tetracyanoquinodimethane
P3HT	Poly(3-hexylthiophene)
PPV	Poly(p-phenylenevinylene)
PFO	Polyfluorene
P3AT	Poly(3-alkylthiophene)
CuPc	Cu-phthalocyanine
C_{60}	Fullerene
Alq_3	tris(8-hydroxyquinolinato)aluminium
PC	Polycarbonate
PP	Polypropylene
PET	Polyethylene terephthalate
PVDF	Polyvinylidene fluoride
PEN	Polyethylene naphthalate
PPS	Polyphenylene sulphide