

Supporting information

Advances in nanomaterials for electrochromic devices

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Abbreviations

A

A - absorbance
Ag NW - silver nanowire
AZO - aluminum doped zinc oxide
ATO - antimony doped tin oxide

C

CE - coloration efficiency
CNT - carbon nanotube
CV - cyclic voltammetry
CVD - chemical vapor deposition

E

EC - electrochromic
ECD - electrochromic device
e-field - electric field
eqn. - equation
e-skin - electronic skin

F

FTO - fluorine-doped tin dioxide

G

G - graphene

I

ITO - indium tin oxide

L

LCD - liquid crystal display
LED - light emitting diode

M

MOF - metal-organic framework
MWCNT - multiwalled carbon nanotube
MWNT - multiwalled carbon nanotube

N

NC - nanocube
NF - nanofiber

NIR - near infrared ray

NP - nanoparticle

NR - nanorod

NS - nanosheet

NT - nanotube

NW - nanowire

O

OLED - organic light emitting diode

P

PAN - polyaniline

PANI - polyaniline

PDMS - polydimethylsiloxane

PEDOT:PSS -

poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate)

PET - polyethylene terephthalate

R

rGO - reduced graphene oxide

RGO - reduced graphene oxide

S

SWCNT - single-walled carbon nanotube

SWNT - single-walled carbon nanotube

T

T - transmittance

TPA - triphenylamine

V

VIS - visible

Others

0D - zero dimensional

1D - one dimensional

2D - two dimensional

3D - three dimensional