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ABBREVIATIONS AND SYMBOLS

| | |
|----------------|--|
| BA | Benzoic acid |
| BET | Brunauer-Emmett-Teller |
| CA | Cinnamic acid |
| D | The average crystallite size in angstroms |
| DSSC | The dye sensitised solar cell |
| E_a | Apparent activation energy |
| E_g | Band gap energy |
| E_t | True activation energy |
| FT-IR | Fourier transform infrared spectrophotometer |
| HOMO | Highest occupied molecular orbitals |
| LUMO | The lowest unoccupied molecular orbitals |
| OH \cdot | Hydroxyl radical |
| O $_2$ \cdot | Superoxide radical |
| SA | Salicylic acid |
| SEM | Scanning electron microscopy |
| SN | A nucleophilic substitution reaction |
| TEM | Transmission electron microscopy |
| UV | Ultraviolet light |
| UV-vis DRS | UV-vis diffuse reflectance spectroscopy |
| XRD | X-ray diffractometer |