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## LIST OF ABBREVIATIONS

|                                 |   |
|---------------------------------|---|
| Å                               | = Angstrom unit (1 Å = 10 <sup>-10</sup> meter) |
| A.R. grade                      | = Analytical reagent grade                      |
| azine                           | = 2-(phenylazo)pyrazine                         |
| azpy                            | = 2-(phenylazo)pyridine                         |
| azpym                           | = 2-(phenylazo)pyrimidine                       |
| CH <sub>2</sub> Cl <sub>2</sub> | = dichloromethane                               |
| cm <sup>-1</sup>                | = wavenumber                                    |
| CV                              | = Cyclic voltammetry                            |
| d                               | = doublet                                       |
| DMF                             | = <i>N, N</i> -dimethylformamide                |
| DMSO                            | = dimethyl sulfoxide                            |
| g                               | = gram  |
| H                               | = hour  |
| Hz                              | = hertz   |
| IR                              | = Infrared                                      |
| K                               | = Kelvin  |
| mg/mL                           | = milligram per milliliter                      |
| mL                              | = milliliter                                    |
| MLCT                            | = metal to ligand charge transfer               |
| mmol                            | = millimole                                     |
| mV/s                            | = millivolt per second                          |
| MW.                             | = molecular weight                              |
| m/z                             | = a value of mass divided by charge             |
| nm                              | = nanometer                                     |