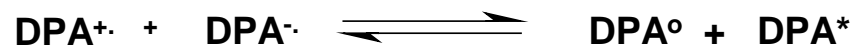
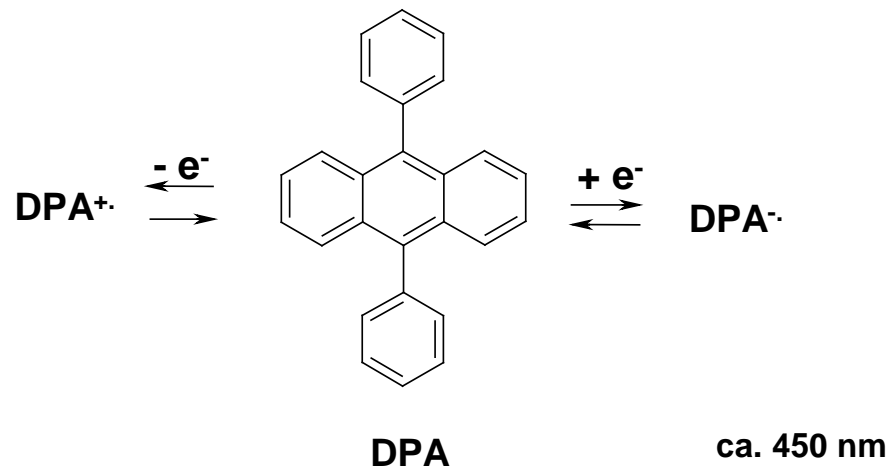


# Solution electrogenerated chemiluminescence (ECL): "Cross-Reactions" A



ca. 450 nm



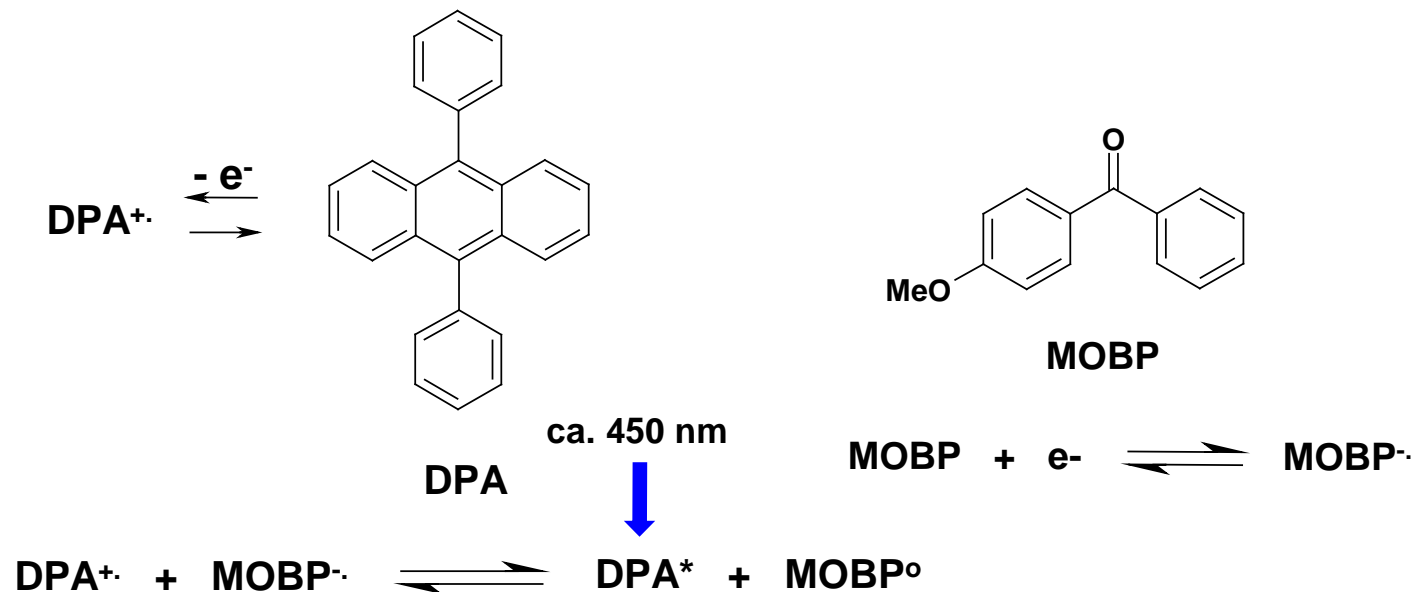
Redox Pair  
DPA<sup>-</sup> / DPA<sup>+</sup>

$\Delta E_{1/2}$   
3.33 volts

Singlet vs. Triplet Route  
S-route

Wightman et.al.:  
JACS, 119 (1997) 11920.  
JEAC, 396 (1995) 85.

# Solution electrogenerated chemiluminescence (ECL): "Cross-Reactions" B



Redox Pair

DPA<sup>-</sup> / DPA<sup>+</sup>

**MOBP<sup>-</sup> / DPA<sup>+</sup>**

$\Delta E_{1/2}$

3.33 volts

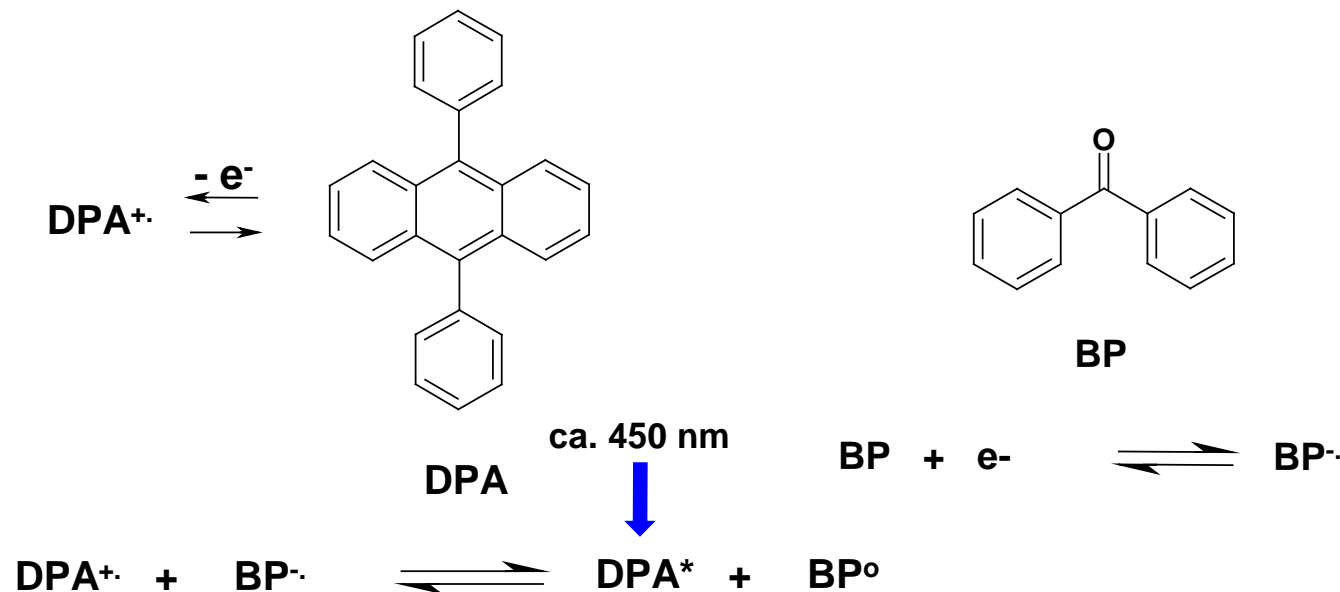
**3.24 volts**

Singlet vs. Triplet Route

S-route

**S-route**

# Solution electrogenerated chemiluminescence (ECL): "Cross-Reactions" C



Redox Pair

DPA<sup>-·</sup> / DPA<sup>+</sup>

MOBP<sup>-·</sup> / DPA<sup>+</sup>

**BP<sup>-·</sup> / DPA<sup>+</sup>**

$\Delta E_{1/2}$

3.33 volts

3.24 volts

**3.15 volts**

Singlet vs. Triplet Route

S-route

S-route

**S-route**

Wightman et.al.:  
 JACS, 119 (1997) 11920.  
 JEAC, 396 (1995) 85.