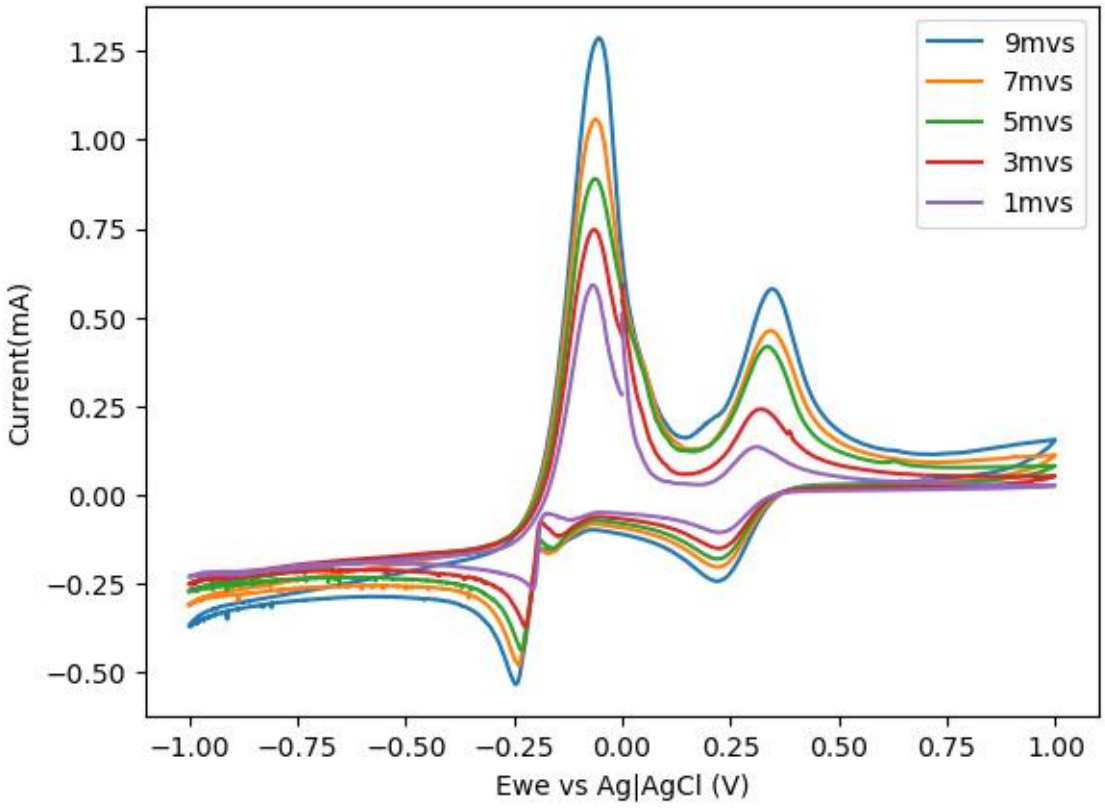
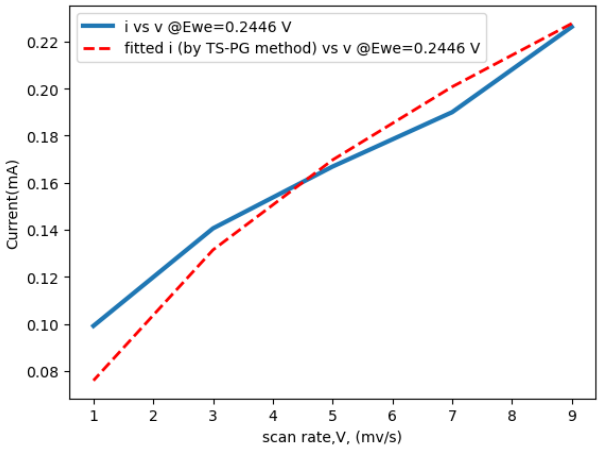


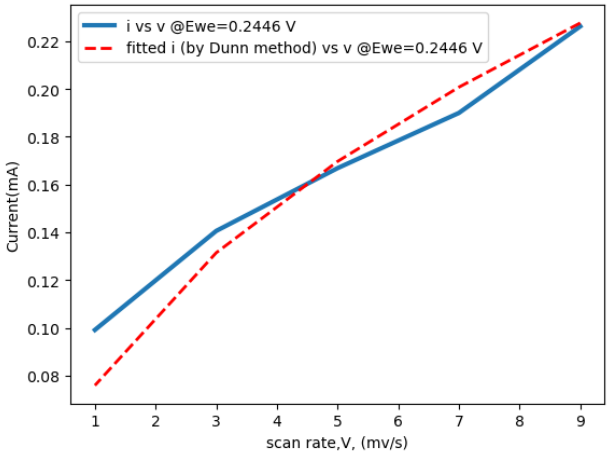
Working Electrode: Deposited $CuSO_4$ on Glassy Carbon

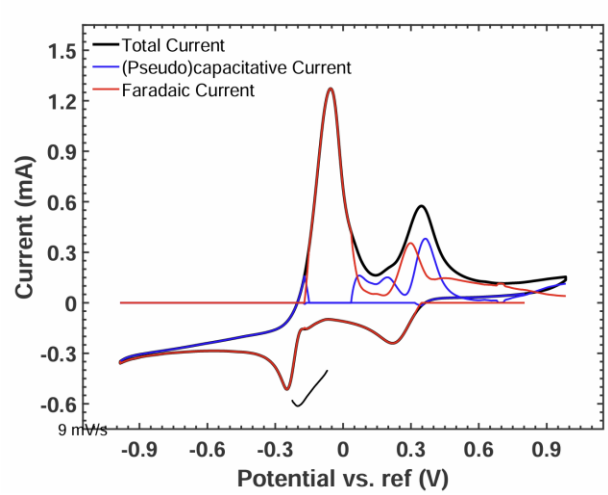
Counter Electrode: Glassy Carbon

Reference Electrode: Ag|AgCl|KCl 3M

Electrolyte: 0.5M NaCl + 0.05M CuSO4

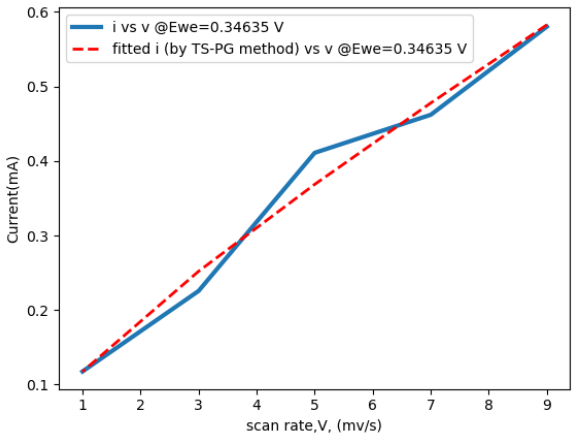


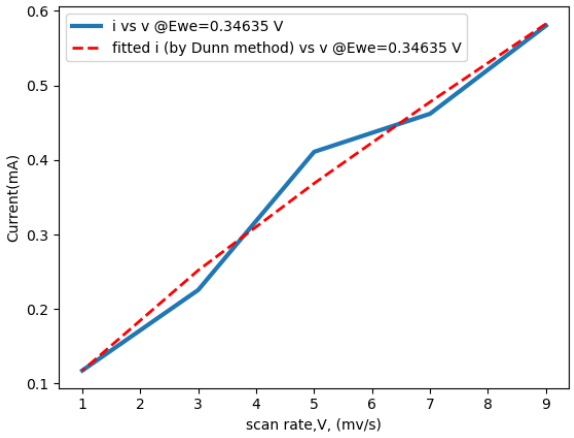


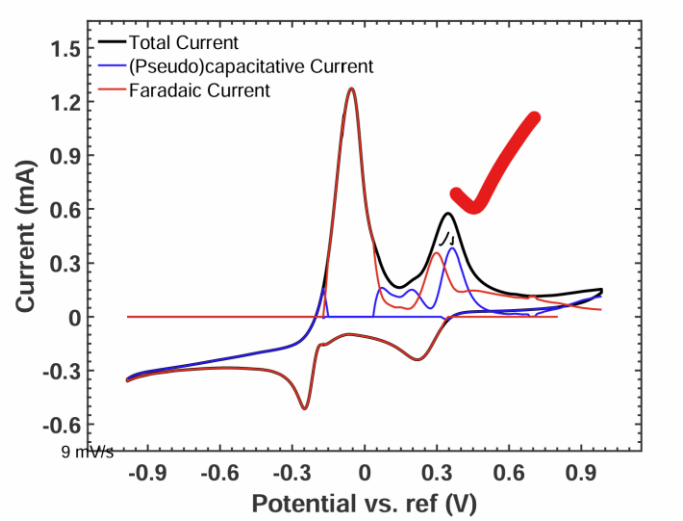



```
TS-PG Method @E=0.2446 V:
Fitted parameters:
a = 0.0759   b = 0.0000   c = 0.0000
R-squared: 0.9195
--------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.2277     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 44.3891   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 99.9999%       capacitive = 0.0000%     pseudocapacitive = 0.0001%
--------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.2008     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 50.3326   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1697     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 59.5441   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1315     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 76.8579   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0759     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 133.1141   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------
```

```
Dunn Method @E=0.2446 V:
Fitted parameters:
a = 0.0759   b = 0.0000
R-squared: 0.9195
------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.2277     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 44.3892   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.2008     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 50.3326   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1697     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 59.5441   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1315     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 76.8579   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0759     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 133.1142   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
------------------------------------------------------------
```

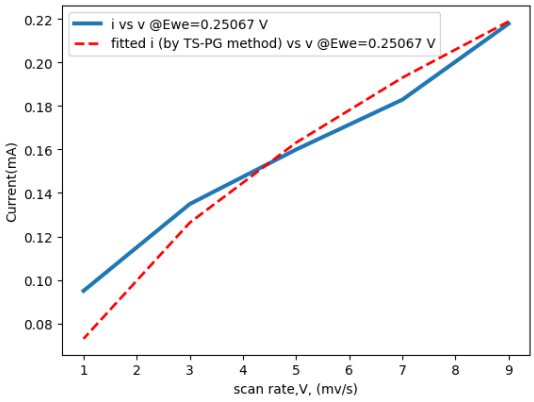


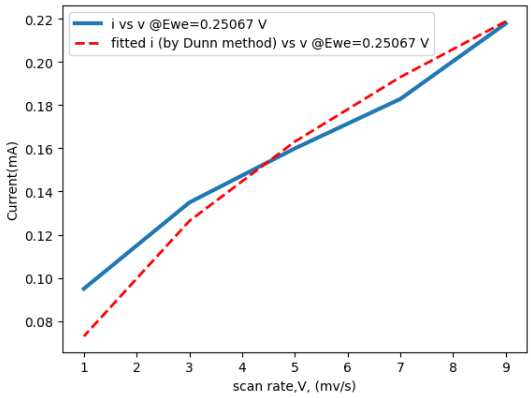


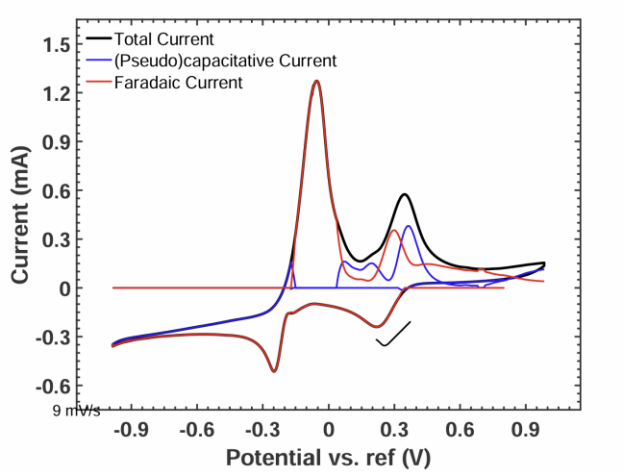



```
TS-PG Method @E=0.34635 V:
Fitted parameters:
a = 0.0788   b = 0.0385   c = 0.0000
R-squared: 0.9802
--------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.2365     capacitive(mA) = 0.3462   pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 9.1183   capacitive(mAs) = 13.3474  pseudocapacitive(mAs) = 0.0000
 faradaic = 40.5876%       capacitive = 59.4124%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.2086     capacitive(mA) = 0.2693   pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 10.3303   capacitive(mAs) = 13.3359  pseudocapacitive(mAs) = 0.0000
 faradaic = 43.6499%       capacitive = 56.3501%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1763     capacitive(mA) = 0.1924   pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 12.2229   capacitive(mAs) = 13.3359  pseudocapacitive(mAs) = 0.0000
 faradaic = 47.8227%       capacitive = 52.1773%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1366     capacitive(mA) = 0.1154   pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 15.7797   capacitive(mAs) = 13.3359  pseudocapacitive(mAs) = 0.0000
 faradaic = 54.1968%       capacitive = 45.8032%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0788     capacitive(mA) = 0.0385   pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 27.3312   capacitive(mAs) = 13.3359  pseudocapacitive(mAs) = 0.0000
 faradaic = 67.2072%       capacitive = 32.7928%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------
```

```
Dunn Method @E=0.34635 V:
Fitted parameters:
a = 0.0788   b = 0.0385
R-squared: 0.9802
--------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.2365     (pseudo)capacitive(mA) = 0.3462
Charge Distributions(@9mv/s):
 faradaic(mAs) = 9.1183   (pseudo)capacitive(mAs) = 13.3474
 faradaic = 40.5876%       (pseudo)capacitive = 59.4124%
--------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.2086     (pseudo)capacitive(mA) = 0.2693
Charge Distributions(@7mv/s):
 faradaic(mAs) = 10.3303   (pseudo)capacitive(mAs) = 13.3359
 faradaic = 43.6499%       (pseudo)capacitive = 56.3501%
--------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1763     (pseudo)capacitive(mA) = 0.1924
Charge Distributions(@5mv/s):
 faradaic(mAs) = 12.2229   (pseudo)capacitive(mAs) = 13.3359
 faradaic = 47.8227%       (pseudo)capacitive = 52.1773%
--------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1366     (pseudo)capacitive(mA) = 0.1154
Charge Distributions(@3mv/s):
 faradaic(mAs) = 15.7797   (pseudo)capacitive(mAs) = 13.3359
 faradaic = 54.1967%       (pseudo)capacitive = 45.8033%
--------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0788     (pseudo)capacitive(mA) = 0.0385
Charge Distributions(@1mv/s):
 faradaic(mAs) = 27.3312   (pseudo)capacitive(mAs) = 13.3359
 faradaic = 67.2072%       (pseudo)capacitive = 32.7928%
--------------------------------------------------------------------------------
```







TS-PG Method @E=0.25067 V:
Fitted parameters:
a = 0.0729 b = 0.0000 c = 0.0000
R-squared: 0.9228

Current Distributions(@9mv/s):
 faradaic(mA) = 0.2188 capacitive(mA) = 0.0000 pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 42.5130 capacitive(mAs) = 0.0000 pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000% capacitive = 0.0000% pseudocapacitive = 0.0000%

Current Distributions(@7mv/s):
 faradaic(mA) = 0.1930 capacitive(mA) = 0.0000 pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 48.2052 capacitive(mAs) = 0.0000 pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000% capacitive = 0.0000% pseudocapacitive = 0.0000%

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1631 capacitive(mA) = 0.0000 pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 57.0273 capacitive(mAs) = 0.0000 pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000% capacitive = 0.0000% pseudocapacitive = 0.0000%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1263 capacitive(mA) = 0.0000 pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 73.6093 capacitive(mAs) = 0.0000 pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000% capacitive = 0.0000% pseudocapacitive = 0.0000%

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0729 capacitive(mA) = 0.0000 pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 127.4877 capacitive(mAs) = 0.0000 pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000% capacitive = 0.0000% pseudocapacitive = 0.0000%

Dunn Method @E=0.25067 V:
Fitted parameters:
a = 0.0729 b = 0.0000
R-squared: 0.9228

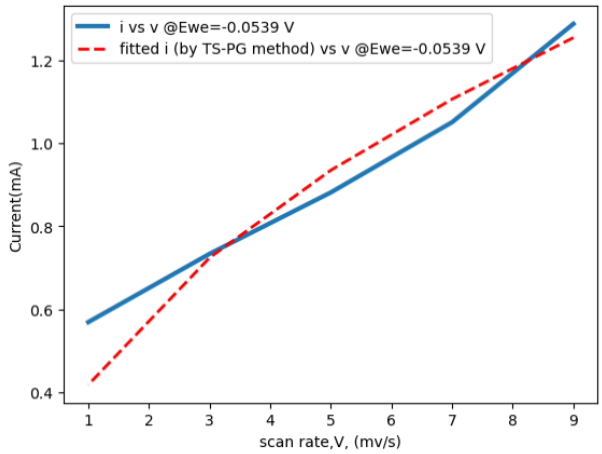
Current Distributions(@9mv/s):
 faradaic(mA) = 0.2188 (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 42.5130 (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000% (pseudo)capacitive = 0.0000%

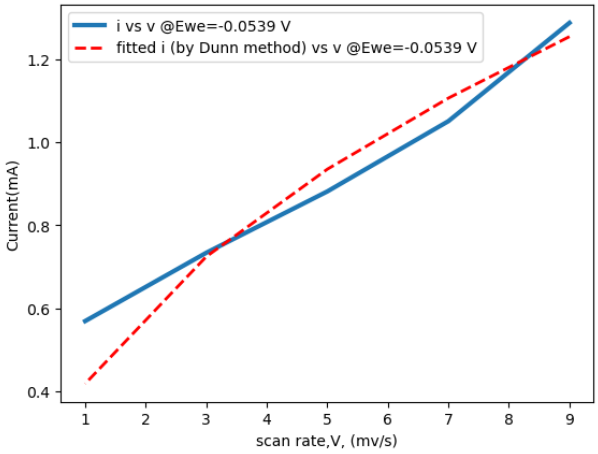
Current Distributions(@7mv/s):
 faradaic(mA) = 0.1930 (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 48.2052 (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000% (pseudo)capacitive = 0.0000%

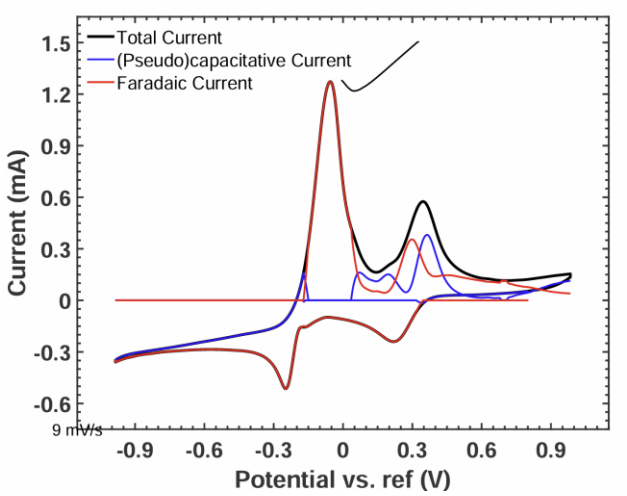
Current Distributions(@5mv/s):
 faradaic(mA) = 0.1631 (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 57.0274 (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000% (pseudo)capacitive = 0.0000%

Current Distributions(@3mv/s):
 faradaic(mA) = 0.1263 (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 73.6093 (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000% (pseudo)capacitive = 0.0000%

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0729 (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 127.4877 (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000% (pseudo)capacitive = 0.0000%

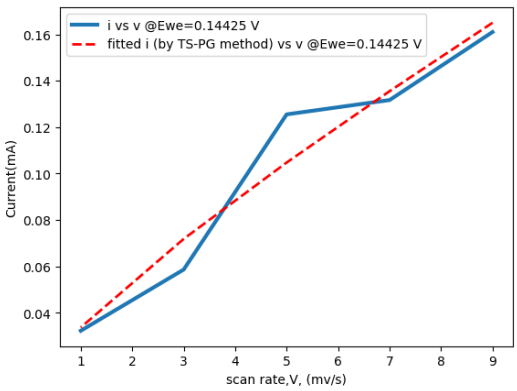


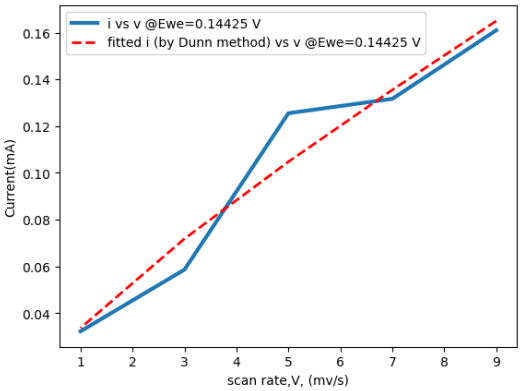


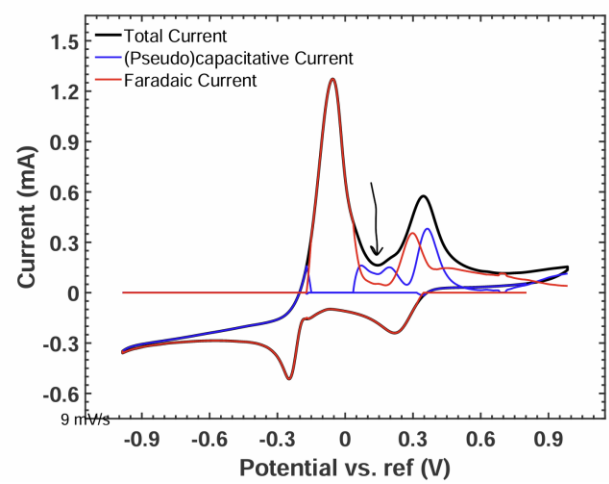



```
TS-PG Method @E=-0.0539 V:
Fitted parameters:
a = 0.4180   b = 0.0000   c = 0.0000
R-squared: 0.9036
-------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 1.2539     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 549.8669   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 1.1058     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 623.4587   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.9346     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 737.6298   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.7239     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 952.2032   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.4180     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 1648.8034   capacitive(mAs) = 0.0000  pseudocapacitive(mAs) = 0.0000
 faradaic = 100.0000%       capacitive = 0.0000%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------
```

```
Dunn Method @E=-0.0539 V:
Fitted parameters:
a = 0.4180   b = 0.0000
R-squared: 0.9036
-------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 1.2539     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 549.8669   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
-------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 1.1058     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 623.4586   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
-------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.9346     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 737.6298   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
-------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.7239     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 952.2031   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
-------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.4180     (pseudo)capacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 1648.8033   (pseudo)capacitive(mAs) = 0.0000
 faradaic = 100.0000%       (pseudo)capacitive = 0.0000%
-------------------------------------------------------------
```

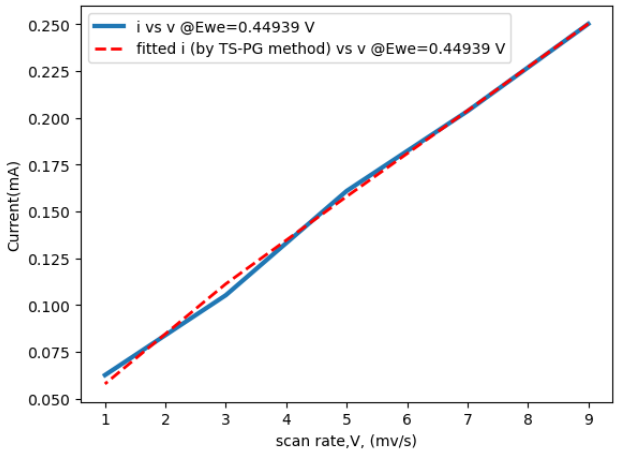


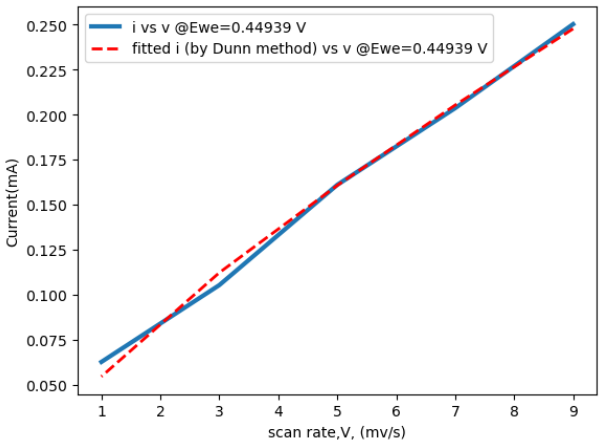


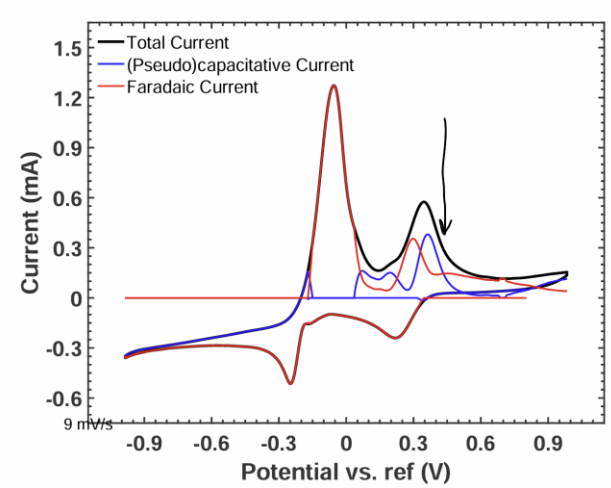



```
TS-PG Method @E=0.14425 V:
Fitted parameters:
a = 0.0230   b = 0.0107   c = 0.0000
R-squared: 0.9453
--------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.0689     capacitive(mA) = 0.0961   pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 1.1089   capacitive(mAs) = 1.5470  pseudocapacitive(mAs) = 0.0000
 faradaic = 41.7519%       capacitive = 58.2481%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.0607     capacitive(mA) = 0.0747   pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 1.2548   capacitive(mAs) = 1.5438  pseudocapacitive(mAs) = 0.0000
 faradaic = 44.8357%       capacitive = 55.1643%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0513     capacitive(mA) = 0.0534   pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 1.4847   capacitive(mAs) = 1.5438  pseudocapacitive(mAs) = 0.0000
 faradaic = 49.0233%       capacitive = 50.9767%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0398     capacitive(mA) = 0.0320   pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 1.9167   capacitive(mAs) = 1.5438  pseudocapacitive(mAs) = 0.0000
 faradaic = 55.3875%       capacitive = 44.6125%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0230     capacitive(mA) = 0.0107   pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 3.3198   capacitive(mAs) = 1.5438  pseudocapacitive(mAs) = 0.0000
 faradaic = 68.2578%       capacitive = 31.7422%     pseudocapacitive = 0.0000%
--------------------------------------------------------------------------------
```

```
Dunn Method @E=0.14425 V:
Fitted parameters:
a = 0.0230   b = 0.0107
R-squared: 0.9453
--------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.0689     (pseudo)capacitive(mA) = 0.0961
Charge Distributions(@9mv/s):
 faradaic(mAs) = 1.1089   (pseudo)capacitive(mAs) = 1.5470
 faradaic = 41.7519%       (pseudo)capacitive = 58.2481%
--------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.0607     (pseudo)capacitive(mA) = 0.0747
Charge Distributions(@7mv/s):
 faradaic(mAs) = 1.2548   (pseudo)capacitive(mAs) = 1.5438
 faradaic = 44.8357%       (pseudo)capacitive = 55.1643%
--------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0513     (pseudo)capacitive(mA) = 0.0534
Charge Distributions(@5mv/s):
 faradaic(mAs) = 1.4847   (pseudo)capacitive(mAs) = 1.5438
 faradaic = 49.0233%       (pseudo)capacitive = 50.9767%
--------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0398     (pseudo)capacitive(mA) = 0.0320
Charge Distributions(@3mv/s):
 faradaic(mAs) = 1.9167   (pseudo)capacitive(mAs) = 1.5438
 faradaic = 55.3875%       (pseudo)capacitive = 44.6125%
--------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0230     (pseudo)capacitive(mA) = 0.0107
Charge Distributions(@1mv/s):
 faradaic(mAs) = 3.3198   (pseudo)capacitive(mAs) = 1.5438
 faradaic = 68.2578%       (pseudo)capacitive = 31.7422%
--------------------------------------------------------------------------------
```

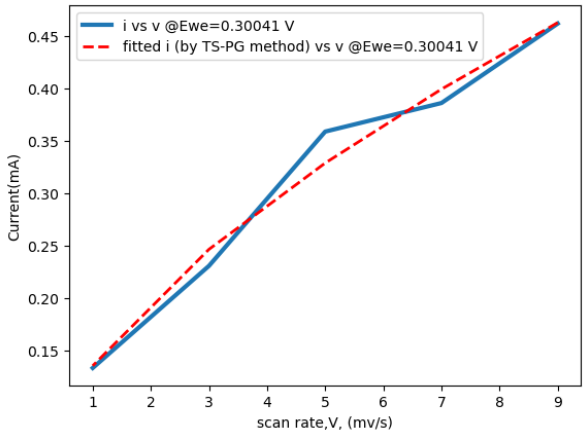


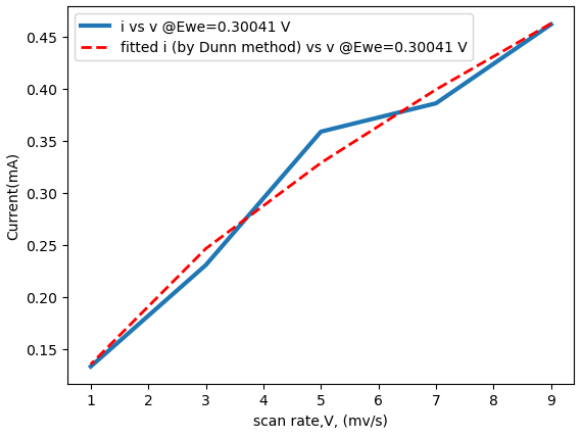


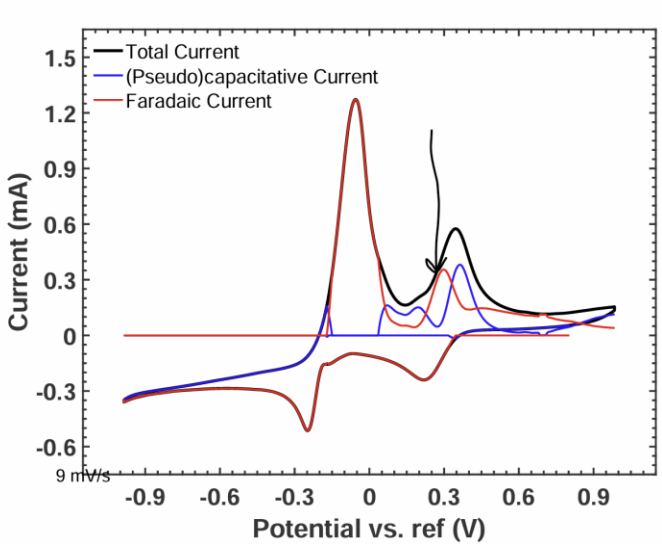



```
TS-PG Method @E=0.44939 V:
Fitted parameters:
a = 0.0547   b = 0.0000   c = 0.0032
R-squared: 0.9970
-------------------------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.1641     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0862
Charge Distributions(@9mv/s):
 faradaic(mAs) = 8.2047   capacitive(mAs) = 0.0003  pseudocapacitive(mAs) = 4.3092
 faradaic = 65.5627%       capacitive = 0.0027%     pseudocapacitive = 34.4346%
-------------------------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.1447     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0591
Charge Distributions(@7mv/s):
 faradaic(mAs) = 9.2971   capacitive(mAs) = 0.0003  pseudocapacitive(mAs) = 3.7979
 faradaic = 70.9956%       capacitive = 0.0026%     pseudocapacitive = 29.0018%
-------------------------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.1223     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0357
Charge Distributions(@5mv/s):
 faradaic(mAs) = 11.0004   capacitive(mAs) = 0.0003  pseudocapacitive(mAs) = 3.2098
 faradaic = 77.4103%       capacitive = 0.0024%     pseudocapacitive = 22.5873%
-------------------------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0947     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0166
Charge Distributions(@3mv/s):
 faradaic(mAs) = 14.2015   capacitive(mAs) = 0.0003  pseudocapacitive(mAs) = 2.4863
 faradaic = 85.0994%       capacitive = 0.0020%     pseudocapacitive = 14.8985%
-------------------------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0547     capacitive(mA) = 0.0000   pseudocapacitive(mA) = 0.0032
Charge Distributions(@1mv/s):
 faradaic(mAs) = 24.5977   capacitive(mAs) = 0.0003  pseudocapacitive(mAs) = 1.4355
 faradaic = 94.4848%       capacitive = 0.0013%     pseudocapacitive = 5.5139%
-------------------------------------------------------------------------------------------------
```

```
Dunn Method @E=0.44939 V:
Fitted parameters:
a = 0.0405   b = 0.0140
R-squared: 0.9945
-------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.1214     (pseudo)capacitive(mA) = 0.1263
Charge Distributions(@9mv/s):
 faradaic(mAs) = 6.0703   (pseudo)capacitive(mAs) = 6.3137
 faradaic = 49.0171%       (pseudo)capacitive = 50.9829%
-------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.1071     (pseudo)capacitive(mA) = 0.0982
Charge Distributions(@7mv/s):
 faradaic(mAs) = 6.8785   (pseudo)capacitive(mAs) = 6.3095
 faradaic = 52.1571%       (pseudo)capacitive = 47.8429%
-------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.0905     (pseudo)capacitive(mA) = 0.0702
Charge Distributions(@5mv/s):
 faradaic(mAs) = 8.1387   (pseudo)capacitive(mAs) = 6.3095
 faradaic = 56.3302%       (pseudo)capacitive = 43.6698%
-------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.0701     (pseudo)capacitive(mA) = 0.0421
Charge Distributions(@3mv/s):
 faradaic(mAs) = 10.5070   (pseudo)capacitive(mAs) = 6.3095
 faradaic = 62.4803%       (pseudo)capacitive = 37.5197%
-------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.0405     (pseudo)capacitive(mA) = 0.0140
Charge Distributions(@1mv/s):
 faradaic(mAs) = 18.1987   (pseudo)capacitive(mAs) = 6.3095
 faradaic = 74.2555%       (pseudo)capacitive = 25.7445%
-------------------------------------------------------
```








```
TS-PG Method @E=0.30041 V:
Fitted parameters:
a = 0.1260   b = 0.0094   c = 0.0000
R-squared: 0.9806
-------------------------------------------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.3779     capacitive(mA) = 0.0845   pseudocapacitive(mA) = 0.0000
Charge Distributions(@9mv/s):
 faradaic(mAs) = 12.6346   capacitive(mAs) = 2.8247  pseudocapacitive(mAs) = 0.0000
 faradaic = 81.7282%       capacitive = 18.2717%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.3332     capacitive(mA) = 0.0657   pseudocapacitive(mA) = 0.0000
Charge Distributions(@7mv/s):
 faradaic(mAs) = 14.3121   capacitive(mAs) = 2.8219  pseudocapacitive(mAs) = 0.0000
 faradaic = 83.5305%       capacitive = 16.4695%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.2816     capacitive(mA) = 0.0469   pseudocapacitive(mA) = 0.0000
Charge Distributions(@5mv/s):
 faradaic(mAs) = 16.9342   capacitive(mAs) = 2.8219  pseudocapacitive(mAs) = 0.0000
 faradaic = 85.7165%       capacitive = 14.2835%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.2182     capacitive(mA) = 0.0282   pseudocapacitive(mA) = 0.0000
Charge Distributions(@3mv/s):
 faradaic(mAs) = 21.8620   capacitive(mAs) = 2.8219  pseudocapacitive(mAs) = 0.0000
 faradaic = 88.5680%       capacitive = 11.4320%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.1260     capacitive(mA) = 0.0094   pseudocapacitive(mA) = 0.0000
Charge Distributions(@1mv/s):
 faradaic(mAs) = 37.8662   capacitive(mAs) = 2.8219  pseudocapacitive(mAs) = 0.0000
 faradaic = 93.0646%       capacitive = 6.9354%     pseudocapacitive = 0.0000%
-------------------------------------------------------------------------------------------------
```

```
Dunn Method @E=0.30041 V:
Fitted parameters:
a = 0.1260   b = 0.0094
R-squared: 0.9806
-------------------------------------------------------------

Current Distributions(@9mv/s):
 faradaic(mA) = 0.3779     (pseudo)capacitive(mA) = 0.0845
Charge Distributions(@9mv/s):
 faradaic(mAs) = 12.6346   (pseudo)capacitive(mAs) = 2.8247
 faradaic = 81.7281%       (pseudo)capacitive = 18.2719%
-------------------------------------------------------------

Current Distributions(@7mv/s):
 faradaic(mA) = 0.3332     (pseudo)capacitive(mA) = 0.0657
Charge Distributions(@7mv/s):
 faradaic(mAs) = 14.3121   (pseudo)capacitive(mAs) = 2.8219
 faradaic = 83.5304%       (pseudo)capacitive = 16.4696%
-------------------------------------------------------------

Current Distributions(@5mv/s):
 faradaic(mA) = 0.2816     (pseudo)capacitive(mA) = 0.0469
Charge Distributions(@5mv/s):
 faradaic(mAs) = 16.9342   (pseudo)capacitive(mAs) = 2.8219
 faradaic = 85.7164%       (pseudo)capacitive = 14.2836%
-------------------------------------------------------------

Current Distributions(@3mv/s):
 faradaic(mA) = 0.2182     (pseudo)capacitive(mA) = 0.0282
Charge Distributions(@3mv/s):
 faradaic(mAs) = 21.8620   (pseudo)capacitive(mAs) = 2.8219
 faradaic = 88.5679%       (pseudo)capacitive = 11.4321%
-------------------------------------------------------------

Current Distributions(@1mv/s):
 faradaic(mA) = 0.1260     (pseudo)capacitive(mA) = 0.0094
Charge Distributions(@1mv/s):
 faradaic(mAs) = 37.8661   (pseudo)capacitive(mAs) = 2.8219
 faradaic = 93.0646%       (pseudo)capacitive = 6.9354%
-------------------------------------------------------------
```