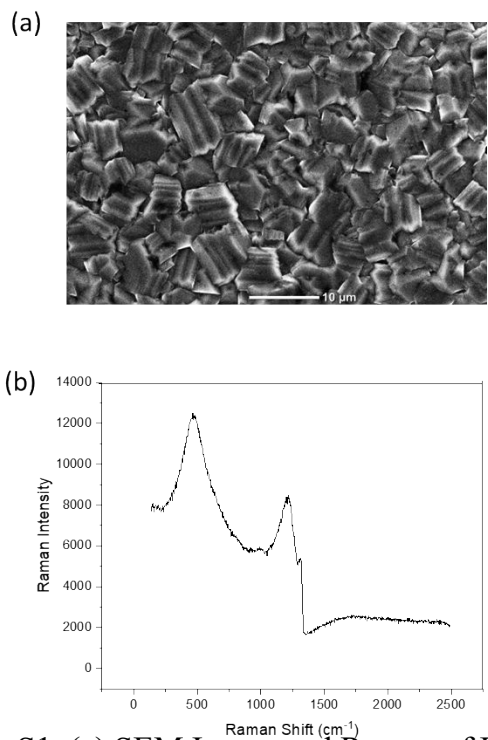
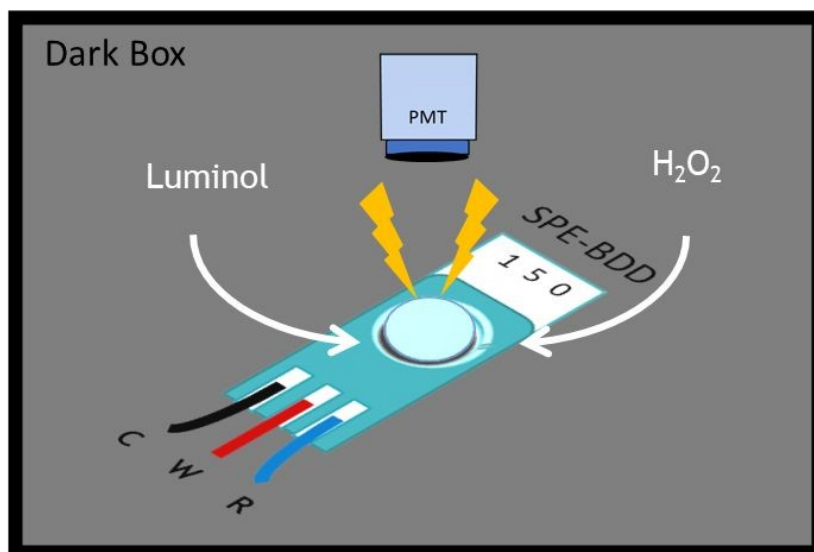


Supplementary Information



S1. (a) SEM Image and Raman of BDD



S2. Schematic boron-doped diamond screen-printed electrode for the electrochemiluminescence measurements

Concentration of H ₂ O ₂ for	Current Response without	Current Response in the
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each Pb-BDD	adding H ₂ O ₂ (blank) (μA)	presence of H ₂ O ₂ (μA)
0	-0.23661	-0.23
1	-0.22049	-1.66
3	-0.22257	-5.39
5	-0.21288	-6.55
10	-0.21613	-7.87
15	-0.19991	-9.22
20	-0.20035	-11.88
40	-0.19176	-20.90
60	-0.19545	-74.56
70	-0.19946	-104.98
80	-0.21245	-131.90
90	-0.20036	-162.92
100	-0.20783	-201.96

S3. Current response data for each PB-BDD at -0.2 V for linearity concentration in comparison with the blank (without H₂O₂)