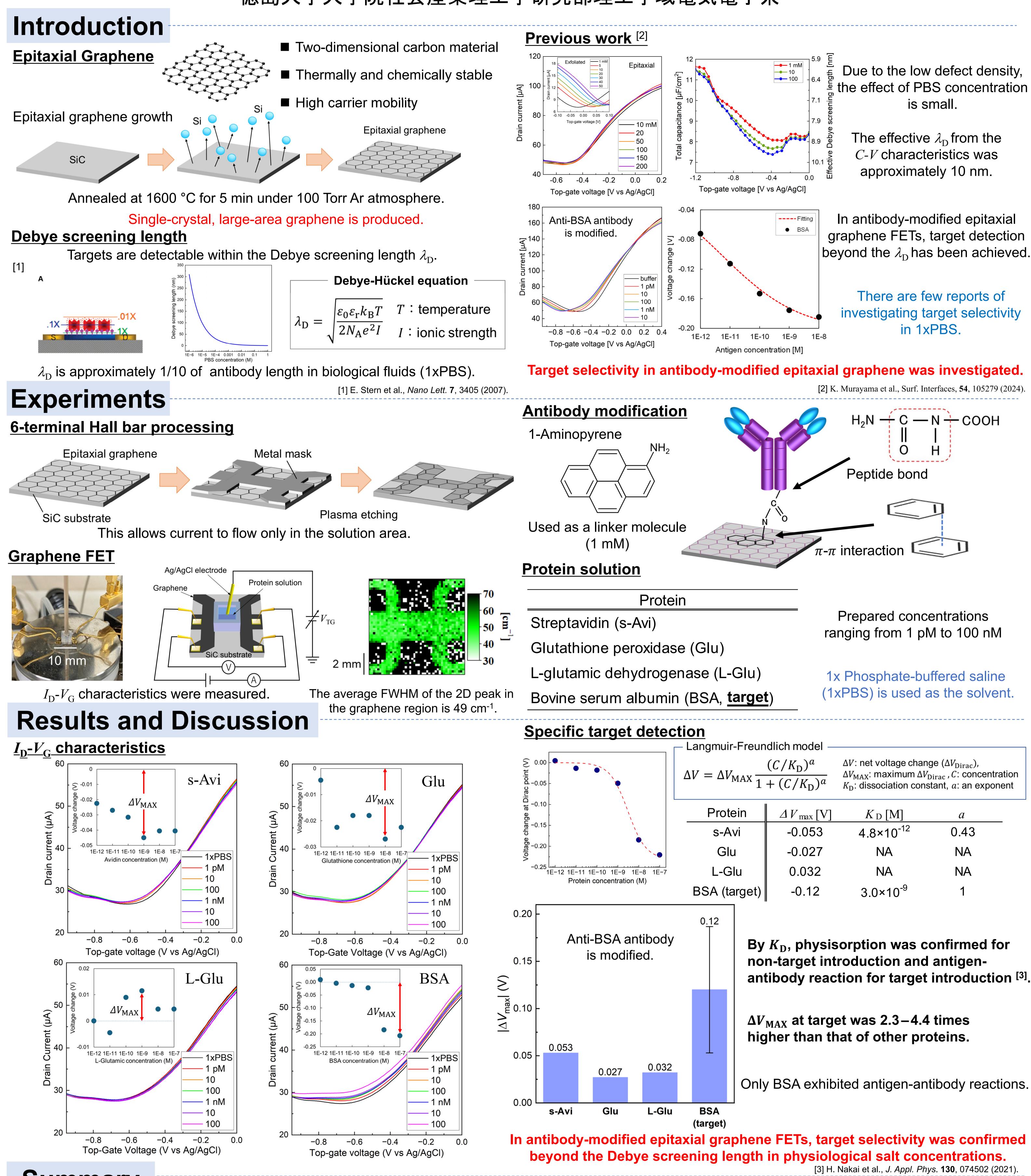
単結晶グラフェンを用いた遮蔽長外ターゲットが検出可能な バイオセンサ開発

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Summary

- $\succ I_{
 m D}$ - $V_{
 m G}$ characteristics of single-crystal epitaxial graphene are independent of buffer concentrations.
- > Our simple device overcame the Debye screening length limitation and detected targets in physiological salt concentrations (1xPBS).
- > The target selectivity of the antibody-modified epitaxial graphene FET was confirmed.