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Title: Reactivity Zones around an Atmospheric Pressure Plasma Jet

Author: Özgür Birer

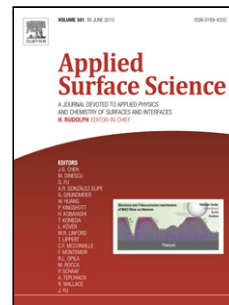
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HIGHLIGHTS

- Polyethylene surfaces were treated with atmospheric pressure cold plasma jet.
- The effect of plasma extends beyond the physical jet diameter.
- Moieties of $-NO$, $-COO$, $-CO$ and $-NO_3$ as expanding ring patterns were detected.
- Active species in the plasma are identified for specific surface moieties.

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