

**First principles simulations of phenol and methanol detector based on pristine graphene nanosheet and armchair graphene nanoribbons**

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**Pulsed corona discharge : the role of ozone and hydroxyl radical in aqueous pollutants oxidation**

**Preis, Sergei; Panorel, I.; Kornev, I.; Hatakka, Henry; Kallas, Juha** Water science & technology Water science and technology 2013 / p. 1536–1542 <https://doi.org/10.2166/wst.2013.399>

**Selective performance of sol–gel synthesised titanium dioxide photocatalysts in aqueous oxidation of various-type organic pollutants**

**Klauson, Deniss; Budamaja, Olga; Stepanova, Kristina; Kritševskaja, Marina; Dedova, Tatjana; Käkinen, Aleksandr; Preis, Sergei** Kinetics and catalysis 2014 / p. 47-55 : ill <https://doi.org/10.1134/S0023158414010030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Solubilization of polycyclic aromatic hydrocarbons (PAHs) with phenol in coking wastewater treatment system: Interaction and engineering significance**

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**Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment**

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