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Mechanism of chiral recognition by enantiomorphous cytosine crystals during enantiomer adsorption.

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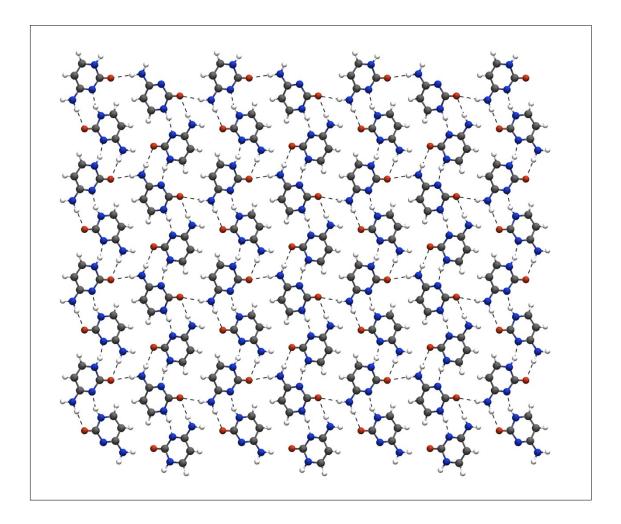


Fig. 1S. Cytosine right-handed (P)-crystal {001} face used as a surface to adsorb in MD simulations.

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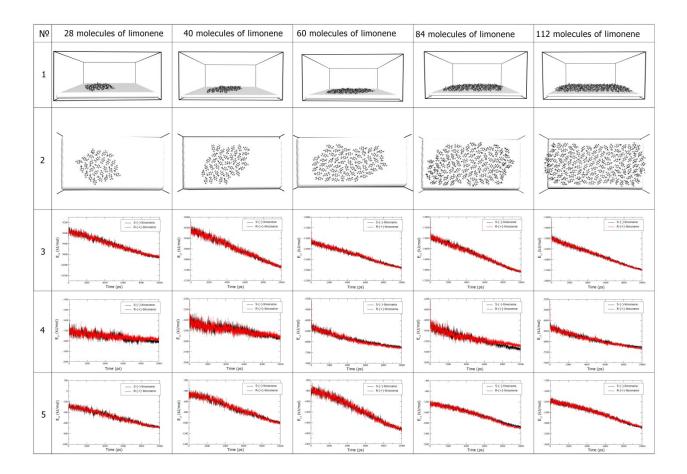
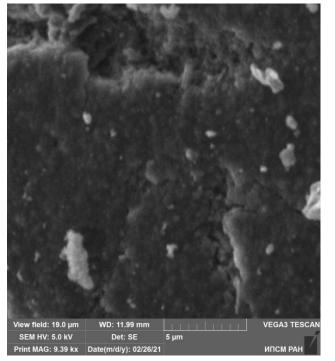
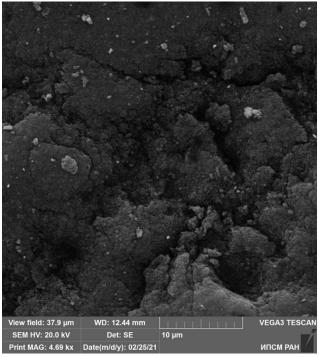
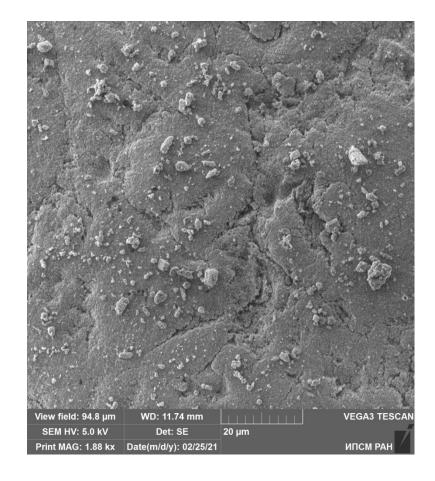


Figure 2S. Adsorption of limonene molecules on graphene surface (56 molecules): Line: 1: side view of the modeled box (XZ plane); 2: top view (XY plane); 3: total LJ energy variation during adsorption; 4: limonene—cytosine interaction energy variation during adsorption; 5: limonene—limonene lateral interaction energy variation during adsorption







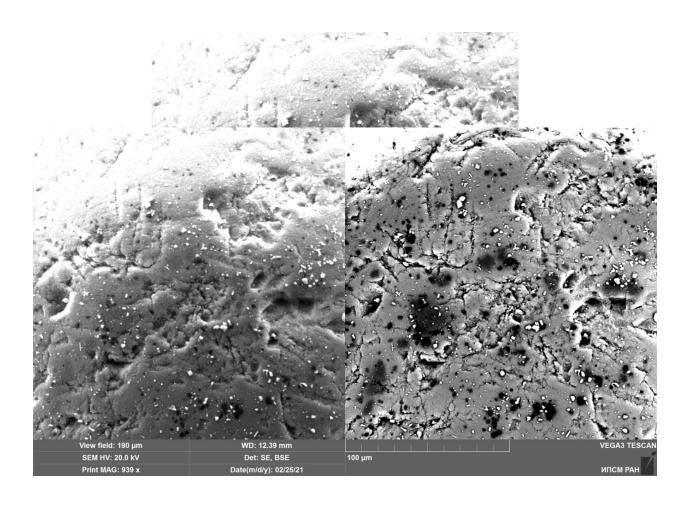


Fig. 3S. SEM images of the Dowex V503 porous polymer surface, modified by cytosine

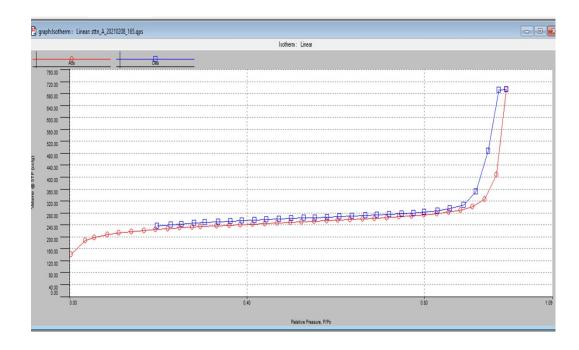


Fig 4S. Nitrogen adsorption-desorption isotherm at 77 K on initial porous polymer

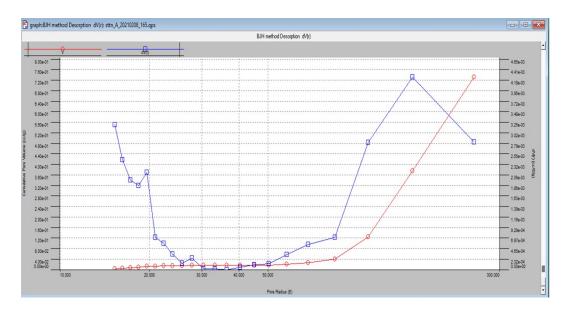


Fig 5S. Mesopore distribution by BJH on initial porous polymer

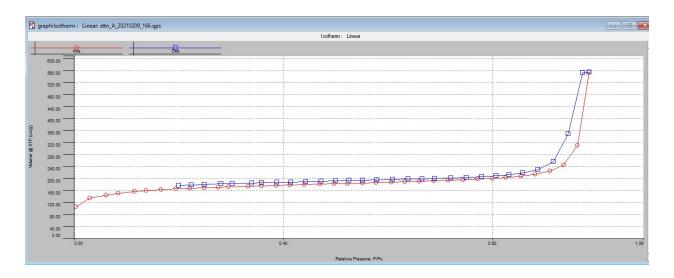


Fig 6S. Nitrogen adsorption-desorption isotherm at 77 K on porous polymer, modified by cytosine

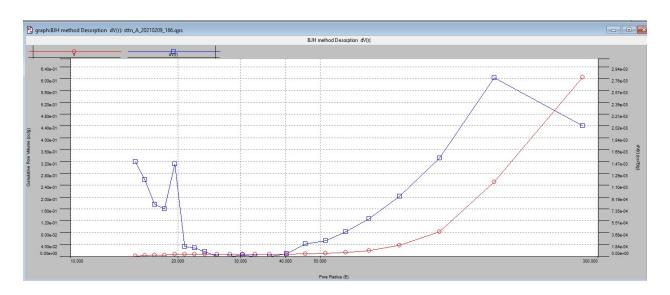


Fig 7S. Mesopore distribution by BJH porous polymer, modified by cytosine