

Adsorption of Cd²⁺ by an ion-imprinted thiol-functionalized polymer in competition with heavy metal ions and organic acids

Kong, Qiaoping; Xie, Binbin; **Preis, Sergei** RSC advances 2018 / p. 8950–8960 : ill <https://doi.org/10.1039/c7ra11811b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Facile preparation of nitrogen and sulfur co-doped graphene-based aerogel for simultaneous removal of Cd²⁺ and organic dyes

Kong, Qiaoping; Wei, Chaohai; **Preis, Sergei**; Hu, Yun; Wang, Feng Environmental science and pollution research 2018 / p. 21164–21175 : ill <https://doi.org/10.1007/s11356-018-2195-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions

Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Hua, Yun; Wei, Chaohai International journal of biological macromolecules 2020 / p. 581–592 : ill <https://doi.org/10.1016/j.ijbiomac.2020.01.185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Physicochemical pre- and post-treatment of coking wastewater combined for energy recovery and reduced environmental risk

Li, Zemin; Wei, Tuo; Pan, Jiamin; Liang, Yitong; Ban, Zixin; Ke, Xiong; Kong, Qiaoping; Qiu, Guanglei; Hu, Yun; **Preis, Sergei**; Wei, Chaohai Journal of hazardous materials 2023 / art. 130802, 10 p. : ill <https://doi.org/10.1016/j.jhazmat.2023.130802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Relations between metal ion characteristics and adsorption performance of graphene oxide: A comprehensive experimental and theoretical study

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Selection of optimum biological treatment for coking wastewater using analytic hierarchy process

Wei, Cong; Wei, Jingyue; Kong, Qiaoping; Fan, Dan; Qiu, Guanglei; Feng, Chunhua; Li, Fusheng; **Preis, Sergei** The science of the total environment 2020 / art. 140400 ; 12 p. : ill <https://doi.org/10.1016/j.scitotenv.2020.140400> [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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Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants : atomic orbital matching, oxygen spillover and intra-electron transfer

Zhang, Fengzhen; Kong, Qiaoping; **Preis, Sergei** The chemical engineering journal 2022 / art. 134674 <https://doi.org/10.1016/j.cej.2022.134674> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)