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Metal speciation and pollution assessment of Cd and Pb in intertidal sediments of Donghai Island, China

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## Highlights

- Metals speciation content and distribution were influenced strongly by TOC.
- Low clay content in sediments determined hardly metals speciation distribution.
- All intertidal sediments revealed the anthropogenic enrichment at Donghai Island.
- Surface sediments showed a low risk for Pb and a medium risk for Cd by RAC.

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