Field Demonstrations of Technologies for Treatment of Contaminated Groundwater Plumes (Tech Session 1C)

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2019 | Enhancing DoD's Mission Effectiveness

What are the Big Remaining Challenges?

Complex & Persistent Source Area

→

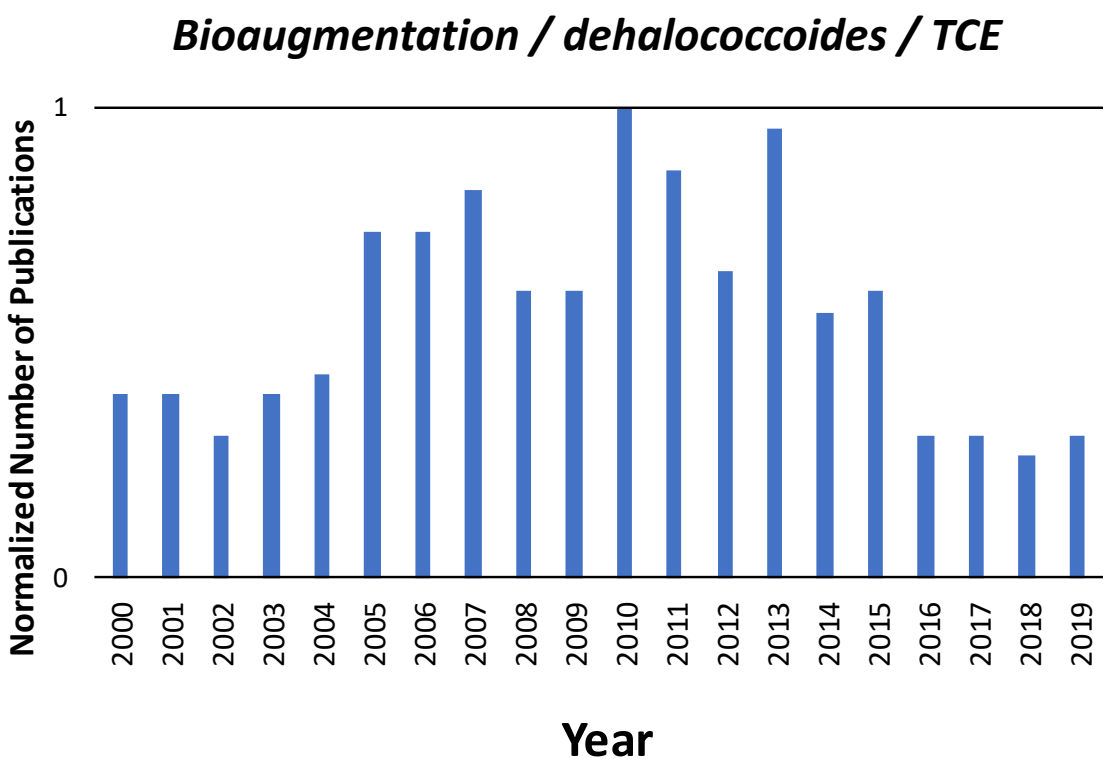
On-going contaminant mass discharge sustains groundwater plume

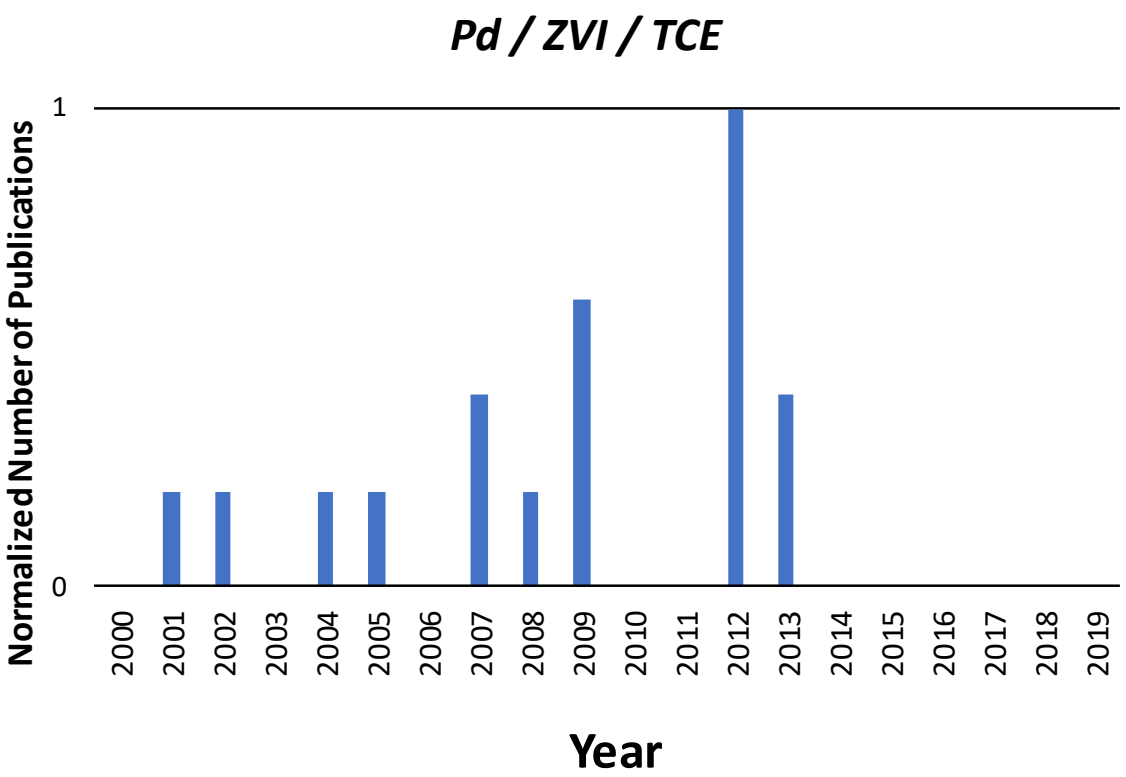
How Can These Be Addressed?

- Apply advanced technologies applicable to low permeability zones
- Approaches to decrease the mass discharge

Such technologies exist, but technologies with improved life cycle costs are desired

Looking to R&D

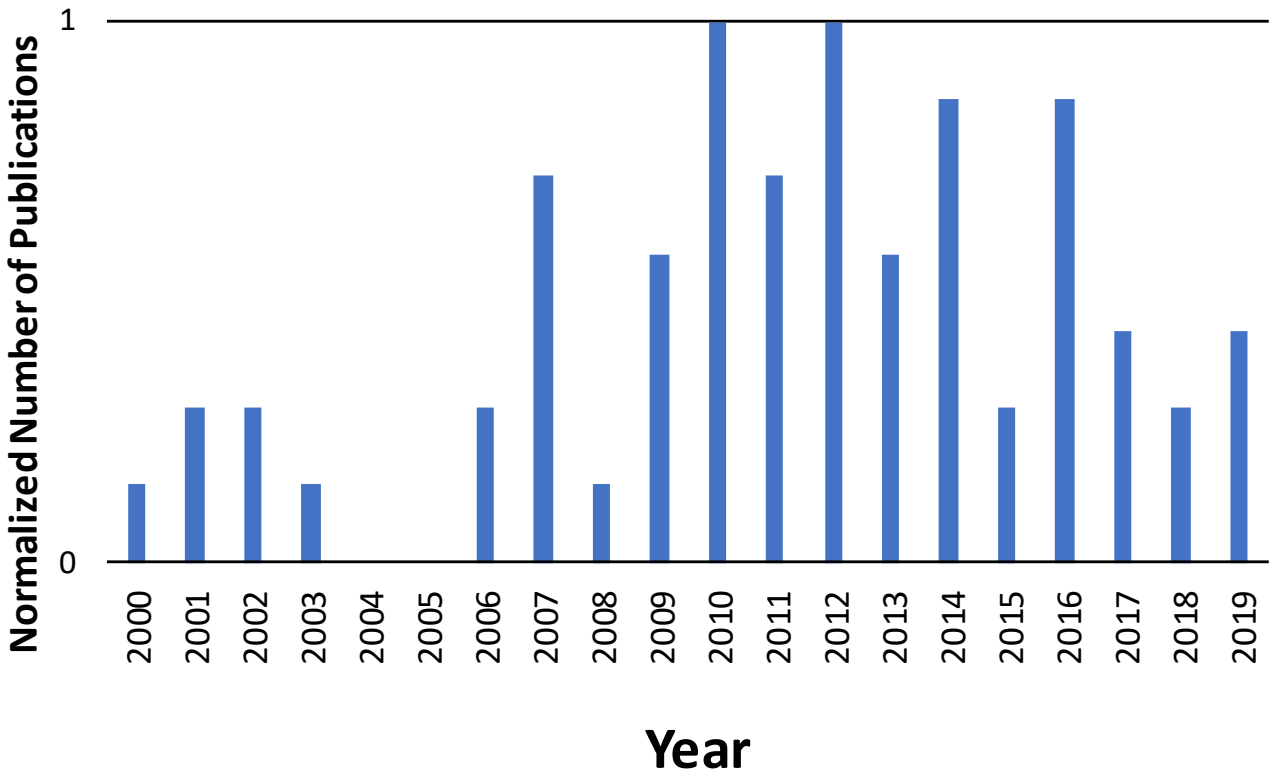




Google Scholar searches

Looking to R&D – Source Area Treatment

Electrokinetics for Treating TCE in Low Permeability Zones



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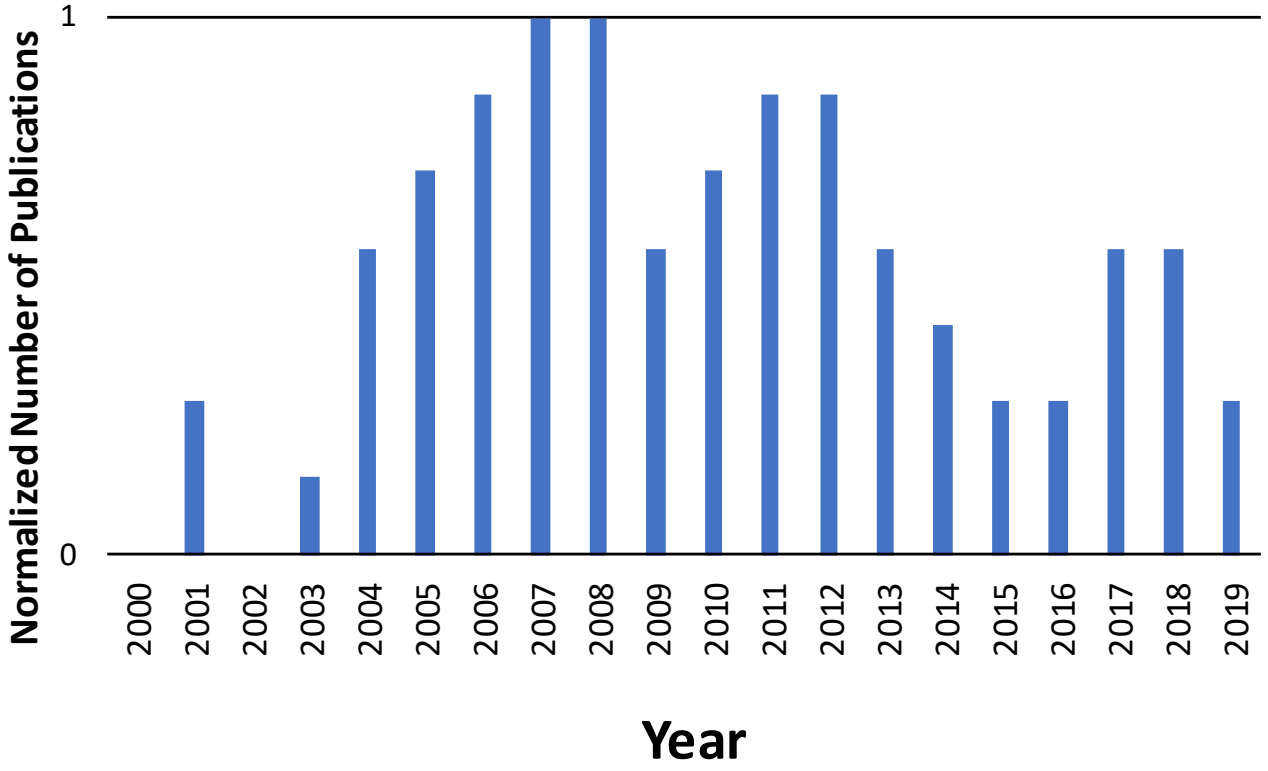
Looking to R&D – Mass Flux

Chlorinated solvents / mass flux / groundwater



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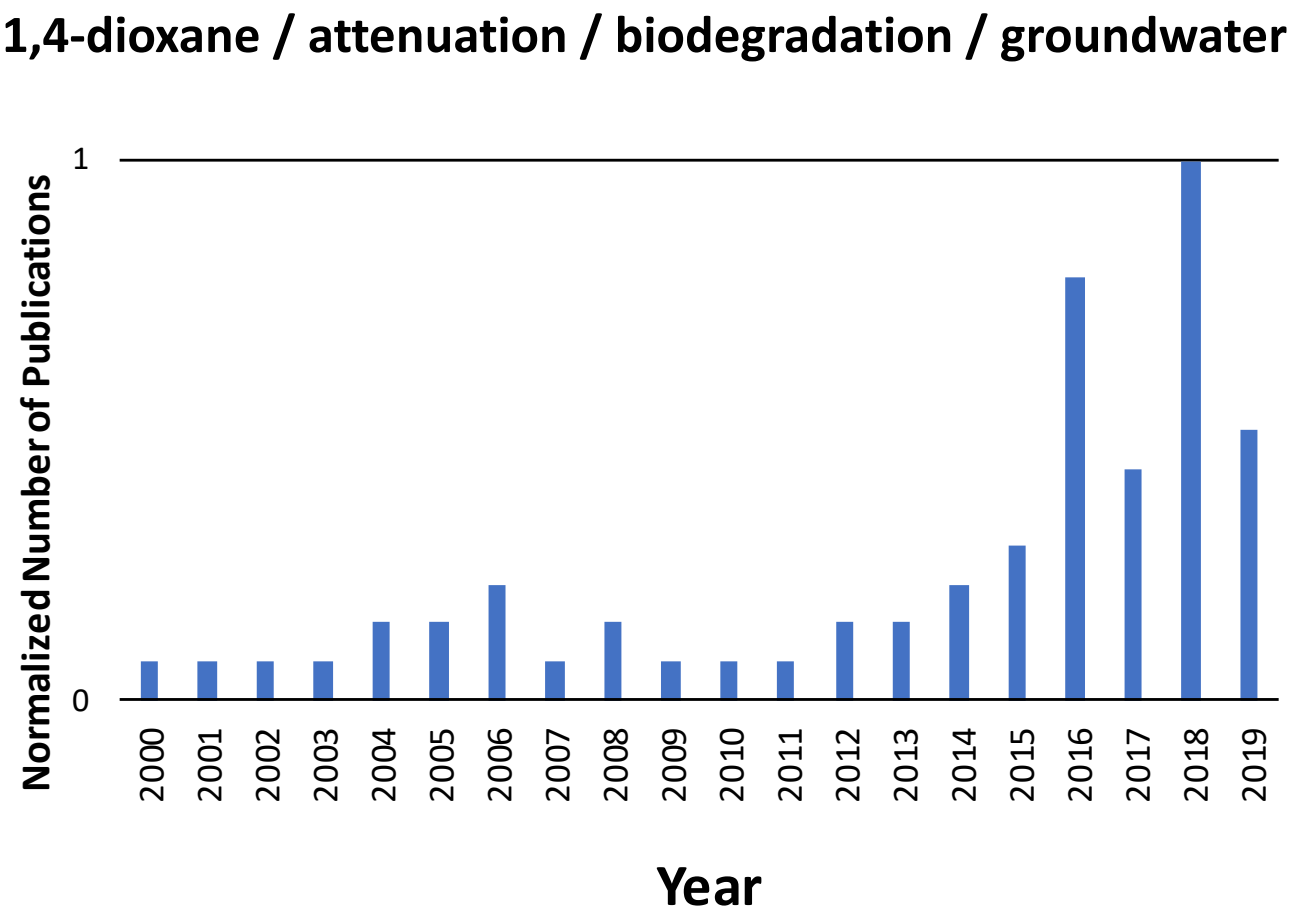
1,4-Dioxane



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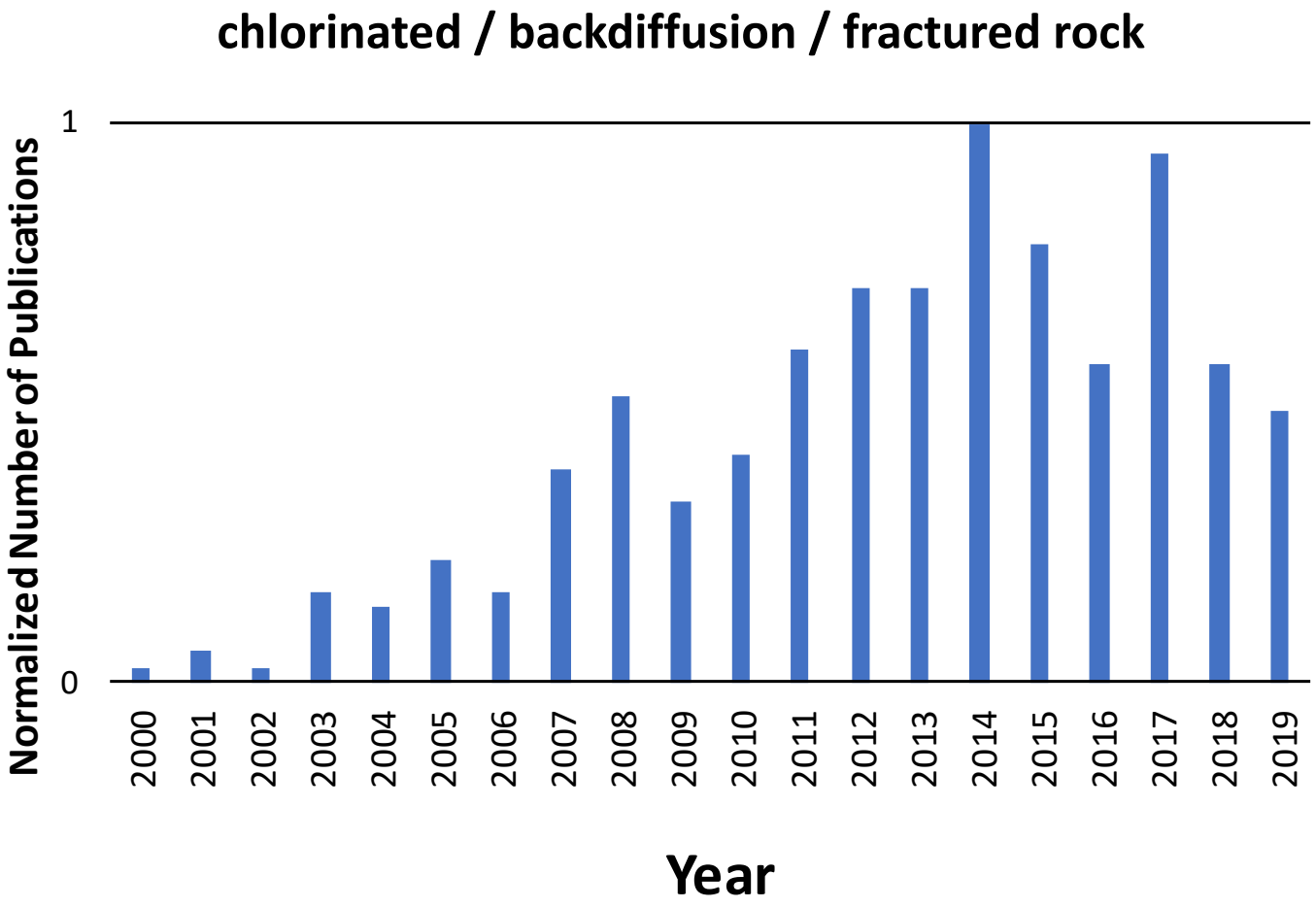
Mass Transfer & Back-Diffusion



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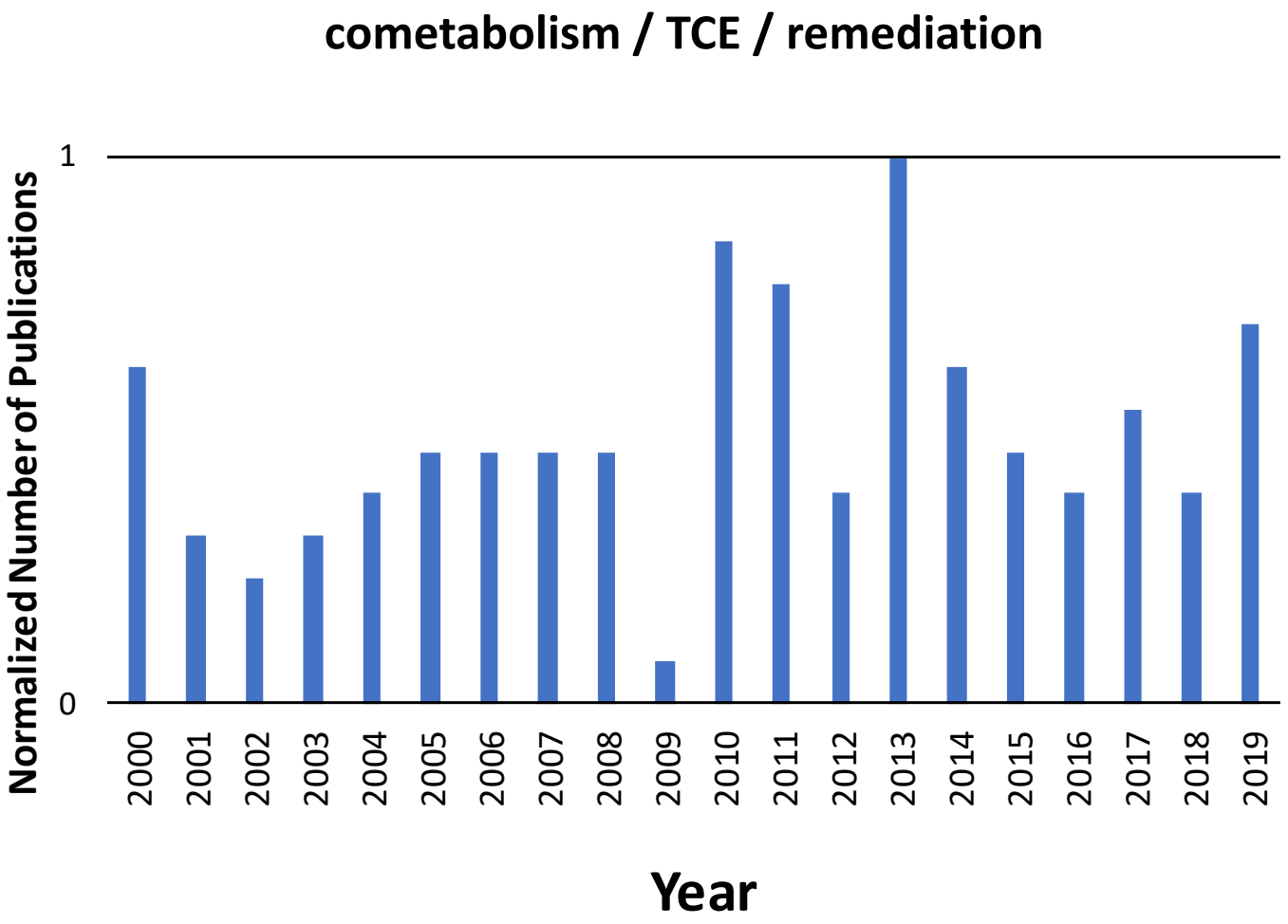
Aerobic Co-Metabolism for Chlorinated Ethenes



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