

Stanford



Maya Engel

Postdoctoral Scholar, Photon Science, SLAC

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Hebrew University Of Jerusalem (2018)

STANFORD ADVISORS

- Britt Hedman, Postdoctoral Faculty Sponsor
- John Bargar, Postdoctoral Research Mentor

LINKS

- Personal Website: <https://sites.google.com/mail.huji.ac.il/maya-engel/home>

Publications

PUBLICATIONS

- **Simulated Aquifer Heterogeneity Leads to Enhanced Attenuation and Multiple Retention Processes of Zinc.** *Environmental science & technology*
Engel, M., Boye, K., Noel, V., Babey, T., Bargar, J. R., Fendorf, S.
2021
- **Organic compounds alter the preference and rates of heavy metal adsorption on ferrihydrite.** *The Science of the total environment*
Engel, M. n., Lezama Pacheco, J. S., Noël, V. n., Boye, K. n., Fendorf, S. n.
2020; 750: 141485
- **How natural organic compounds influence zinc retention by iron oxides**
Engel, M., Fendorf, S.
AMER CHEMICAL SOC.2019
- **The missing link between carbon nanotubes, dissolved organic matter and organic pollutants.** *Advances in colloid and interface science*
Engel, M., Chefetz, B.
2019; 271: 101993
- **Dual functionality of an Ag-Fe₃O₄-carbon nanotube composite material: Catalytic reduction and antibacterial activity** *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING*
Bhaduri, B., Engel, M., Polubesova, T., Wu, W., Xing, B., Chefetz, B.
2018; 6 (4): 4103–13
- **Bacterial inactivation by a carbon nanotube-iron oxide nanocomposite: a mechanistic study using &IT&IT. &ITcoil&IT mutants** *ENVIRONMENTAL SCIENCE-NANO*
Engel, M., Hadar, Y., Belkin, S., Lu, X., Elimelech, M., Chefetz, B.
2018; 5 (2): 372–80

- **Removal of triazine-based pollutants from water by carbon nanotubes: Impact of dissolved organic matter (DOM) and solution chemistry** *WATER RESEARCH*
Engel, M., Chefetz, B.
2016; 106: 146–54
- **Adsorption and desorption of dissolved organic matter by carbon nanotubes: Effects of solution chemistry** *ENVIRONMENTAL POLLUTION*
Engel, M., Chefetz, B.
2016; 213: 90–98
- **Adsorptive fractionation of dissolved organic matter (DOM) by carbon nanotubes** *ENVIRONMENTAL POLLUTION*
Engel, M., Chefetz, B.
2015; 197: 287–94