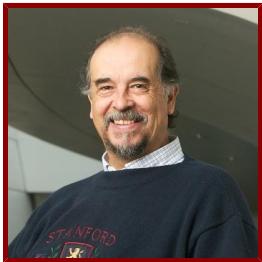


# Stanford

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## James Leckie

C.L. Peck, Class of 1906 Professor in the School of Engineering, Emeritus  
Civil and Environmental Engineering

### CONTACT INFORMATION

- **Administrator**

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### Bio

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#### BIO

Leckie investigates chemical pollutant behavior in natural aquatic systems and engineered processes, specifically the environmental aspects of surface and colloid chemistry and the geochemistry of trace elements. New research efforts are focused on the development of techniques and models for assessment of exposure of humans to toxic chemicals. Specific attention has been paid to the evaluation of exposure of young children to toxic chemicals. Other interests include technology transfer and the development of environmental science programs in developing nations.

#### ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Civil and Environmental Engineering

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Elected Member, National Academy of Engineering (2013 - present)
- Appointed Chair Professor in the Department of Environmental Science and Engineering, Tsinghua University, Beijing, China (2013 - present)

#### PROFESSIONAL EDUCATION

- PhD, Harvard University (1970)

#### LINKS

- <https://web.stanford.edu/~jleckie>: <https://web.stanford.edu/~jleckie>

### Teaching

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#### STANFORD ADVISEES

##### Doctoral Dissertation Reader (AC)

Latifah Hani Hamzah

## Publications

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### PUBLICATIONS

- **Quantification and Analysis of Micro-Level Activities Data from Children Aged 1-12 Years Old for Use in the Assessments of Exposure to Recycled Tire on Turf and Playgrounds.** *International journal of environmental research and public health*  
Lopez-Galvez, N., Claude, J., Wong, P., Bradman, A., Hyland, C., Castorina, R., Canales, R. A., Billheimer, D., Torabzadeh, E., Leckie, J. O., Beamer, P. I.  
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Wang, F., Shih, K., Leckie, J. O.  
2015; 118: 213-218
- **Highly Efficient and Flexible Electrospun Carbon-Silica Nanofibrous Membrane for Ultrafast Gravity-Driven Oil-Water Separation** *ACS APPLIED MATERIALS & INTERFACES*  
Tai, M. H., Gao, P., Tan, B. Y., Sun, D. D., Leckie, J. O.  
2014; 6 (12): 9393-9401
- **Effects of inorganic anions on cadmium sorption behaviours on titanate nanotube surfaces** *ENVIRONMENTAL TECHNOLOGY*  
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- **Enterococcus spp on fomites and hands indicate increased risk of respiratory illness in child care centers** *AMERICAN JOURNAL OF INFECTION CONTROL*  
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Beamer, P. I., Canales, R. A., Ferguson, A. C., Leckie, J. O., Bradman, A.  
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Listiarini, K., Chun, W., Sun, D. D., Leckie, J. O.  
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  - **Influence of a prolonged solid retention time environment on nitrification/denitrification and sludge production in a submerged membrane bioreactor** *DESALINATION*  
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  - **Combination of one-dimensional TiO nanowire photocatalytic oxidation with microfiltration for water treatment** *Water Research*  
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- **Synthesis of bimodal porous structured TiO<sub>2</sub> microsphere with high photocatalytic activity for water treatment** *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*  
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