

Delft University of Technology

MOFs in Motion

Piezoelectricity and Rotational Dynamics of linkers in Metal-Organic Frameworks

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Propositions

accompanying the dissertation

MOFs in Motion

Piezoelectricity and Rotational Dynamics of linkers in Metal–Organic Frameworks

by

Srinidhi Mula

- Large screening studies are often unnecessary, they should instead focus on having a representative set of chemically diverse structures. Sauradeep Majumdar, Seyed Mohamad Moosavi, Kevin Maik Jablonka, Daniele Ongari, and Berend Smit, ACS Applied Materials & Interfaces 2021 13 (51), 61004-61014.
- 2. There is little focus on multidisciplinary collaborations in the field of energy harvesting delaying its practical applications.
- 3. Graduate researchers should not spend time building a following on Twitter. While it helps publicize research findings quickly, it leads to additional stress.
- 4. Age-old customs in traditional societies must be rejected when contradicted by scientific observations.
- 5. Researchers new to force field (FF) development should focus on developing generic FFs instead of system-specific FFs, since generic FFs give comparable results as system-specific FFs and also provide scalability.
- 6. Remote work should not fully replace in-person work even for computational researchers. The productivity gains resulting from the flexibility of remote work are outweighed by unproductive work conditions and frequent remote meetings.
- 7. Any newly learned software/tool while on the job, in connection with the Ph.D. project, should be counted towards the graduate school 'Discipline-related credits'.

These propositions are regarded as opposable and defendable, and have been approved as such by promotors Dr.ir. M.A. van der Veen and prof.dr. F.C. Grozema.