MOFs in Motion

Piezoelectricity and Rotational Dynamics of linkers in Metal-Organic Frameworks

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Propositions

accompanying the dissertation

MOFs in Motion

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by

Srinidhi Mula

1. 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.