

Dummy file for html research publications

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Procedure Replace the cite command below with a cite command from BibDesk for all publications sorted by year, say. \LaTeX this file, ignoring all error messages. Then BibTeX this file to get the `ajr.bbl` file. *Do not* \LaTeX the file `site.tex` to translate the bbl file into the html file of the cite.

There exists an error such as url with extra brace, which I cannot track down. But it makes no difference to the result as far as I can see.

Writing publications.php file lets see what happens.

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1. **A toolbox of equation-free functions in matlab/octave for efficient system level simulation.** John Maclean, J.~E. Bunder, and A.~J. Roberts. *Numerical Algorithms*, 87:1729–1748, oct 2021.
2. **Adaptively detect and accurately resolve macro-scale shocks in an efficient Equation-Free multiscale simulation.** John Maclean, J.~E. Bunder, I.~G. Kevrekidis, and A.~J. Roberts. Technical report, <http://arxiv.org/abs/2108.11568>, August 2021.
3. **Equation-free patch scheme for efficient computational homogenisation via self-adjoint coupling.** J.~E. Bunder, I.~G. Kevrekidis, and A.~J. Roberts. *Numerische Mathematik*, 149(2):229–272, July 2021.

4. **Large-scale simulation of shallow water waves with computation only on small staggered patches.** J.E. Bunder, J. Divahar, Ioannis~G. Kevrekidis, Trent~W. Mattner, and A.J. Roberts. *International Journal for Numerical Methods in Fluids*, 93(4):953–977, apr 2021.
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