# Yingzhe Wu

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 10 papers | 69 citations | 5 h-index | 8 g-index |
| 12 ext. papers | 87 ext. citations | 2.4 avg, IF | 1.95 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 10 | Performance comparison of sorption compressors for methane using metal-organic frameworks and activated carbon as adsorbents. *Cryogenics*, **2022**, 123, 103441 | 1.8 | 2 |
| 9 | A method for calculating low-temperature stress-strain curves of austenitic stainless steels. *Cryogenics*, **2020**, 107, 103059 | 1.8 | 2 |
| 8 | A modified stress-strain relation for austenitic stainless steels at cryogenic temperatures. *Cryogenics*, **2019**, 101, 89-100 | 1.8 | 6 |
| 7 | Tensile properties and impact toughness of S30408 stainless steel and its welded joints at cryogenic temperatures. *Cryogenics*, **2018**, 92, 50-59 | 1.8 | 18 |
| 6 | A 1-dimensional dynamic model for a sorption-compressor cell. *International Journal of Heat and Mass Transfer*, **2017**, 107, 213-224 | 4.9 | 9 |
| 5 | Baseline design of a sorption-based Joule-Thomson cooler chain for the METIS instrument in the E-ELT. *Cryogenics*, **2017**, 84, 37-52 | 1.8 | 9 |
| 4 | Development of a switchless sorption compressor for the cryogenic refrigeration within the METIS instrument: Part II. Experimental demonstration. *International Journal of Refrigeration*, **2017**, 82, 529-540 | 3.8 | 3 |
| 3 | Development of a switchless sorption compressor for the cryogenic refrigeration within the METIS instrument: Part I. Theoretical design. *International Journal of Refrigeration*, **2017**, 82, 520-528 | 3.8 | 2 |
| 2 | Vibration-free Cooler for the METIS Instrument Using Sorption Compressors. *Physics Procedia*, **2015**, 67, 411-416 | | 3 |
| 1 | Optimization of the working fluid for a sorption-based Joule–Thomson cooler. *Cryogenics*, **2013**, 58, 5-13 | 1.8 | 15 |