For this section of class, we will be using the following paper as our main reference:

H. Wen, A. V. Maximov, R. Yan, J. Li, C. Ren, and F. S. Tsung, *Phys. Rev. E*. 100, 041201, (2019)

It doesn't matter if you don't understand/are not familiar with the science in the paper, we will just be using it to explain how scientists use references.

Step 1: Access the paper by searching for "Physical Review E" on the library catalogue and then finding the correct volume and issue on the journal website.

Step 2: Open the paper in a suitable PDF reader and check that the hyperlinked references and bibliography items work.

Step 3: Familiarise yourself with the ways in which scientists use references by working through the table below and checking that you can explain to someone else why these examples are appropriate.

Type of reference	Example	Notes	Further examples
Review Paper	"Decades of laser-plasma interaction (LPI) research [2]..."	The paper being referenced covers a large number of canonical (fundamental/important) results in the field, so that the author doesn't have to summarise everything again in their introduction.	
Method	"In this Rapid Communication, LPI is studied using particle-in-cell (PIC) modeling [8]..."	Method references can include: manuals of simulation codes used; published experimental protocols; mathematical models derived by other scientists.	
Formula	"...dotted black line that represents the maximum TPD growth rate [9](7.7 × 10−4ω0)..."	Typically a formula which has been used to calculate a number used in this paper.	
Parameter	"...parameters relevant to ICF experiments [14,15]."	A number/value taken directly from another paper; either from reported experiments or simulations.	
Comparison to another result	"...the growth of the Bx field energy in time is in reasonable agreement with the theoretical result [10]."		
Other		A catch-all category for things I may have forgotten!	

Step 4: Go through the rest of this paper and try to find further examples of these main types of reference. You can add quotations which show the reference in context, or just write the number of the reference in the final column. Again, it doesn't matter that you haven't studied this area of science before!