A -> B

* What is property of/for/in MOF

\*property refers to (col B) – (col ME) in ‘MoosaviDiversity.csv’

Dictionary:

1. ASA: Accessible Surface Area
2. CellV: unit cell volume
3. Df: fractal dimension
4. Di: isotherm dimensionality
5. Dif: diffusivity
6. NASA: Non-Accessible Surface Area
7. POAV: Pore Volume
8. POAVF: Pore Volume Fraction
9. PONAV: Pore Non-Accessible Volume
10. PONAVF: Pore Non-Accessible Volume Fraction
11. total\_SA\_volumetric: total surface area per unit volume
12. total\_SA\_gravimetric: total surface area per unit mass
13. total\_POV\_volumetric: total pore volume per unit volume
14. total\_POV\_gravimetric: total pore volume per unit mass
15. (col Q) – (col LP): MOF crystal structure descriptor
16. MNC: Metal Node Connectivity
17. MPC: Metal-Paddlewheel Connectivity
18. pure\_CO2\_kH: The Henry's Law constant for pure CO2 adsorption
19. pure\_CO2\_widomHOA: Widom particle insertion method-based Henry's Law constant for pure CO2 adsorption
20. pure\_methane\_kH: The Henry's Law constant for pure CH4 adsorption
21. pure\_methane\_widomHOA: Widom particle insertion method-based Henry's Law constant for pure CH4 adsorption
22. pure\_uptake\_CO2\_298.00\_15000: Pure CO2 adsorption at 298 K and 15,000 Pa pressure
23. pure\_uptake\_CO2\_298.00\_1600000: Pure CO2 adsorption at 298 K and 1,600,000 Pa pressure
24. pure\_uptake\_methane\_298.00\_580000: Pure CH4 adsorption at 298 K and 580,000 Pa pressure
25. pure\_uptake\_methane\_298.00\_6500000: Pure CH4 adsorption at 298 K and 6,500,000 Pa pressure
26. logKH\_CO2: Logarithm of the Henry's Law constant for pure CO2 adsorption
27. logKH\_CH4: Logarithm of the Henry's Law constant for pure CH4 adsorption
28. CH4DC: CH4 Deliverable Capacity
29. CH4HPSTP: CH4 storage capacity at high pressure and standard temperature
30. CH4LPSTP: CH4 storage capacity at low pressure and standard temperature