| Author        | Year | Mechanism                                         | Magnetic element footprint (mm\(^2\)) | ASIC? | Power (mW) | Sensing Unit (S.U.) | Experimental Resolution (S.U./rtHz) | Sensitivity (mV/S.U.) | Sensitivity (mV/S.U.) | fo (kHz) |
|--------------|------|---------------------------------------------------|----------------------------------------|-------|------------|---------------------|-------------------------------------|------------------------|------------------------|----------|
| Herrera-May  | 2015 | Lorentz and piezoresistive                       | 1.42E-01                               | No    | 12         | nT                  | -                                   | 2.30E-07               | 100                    |          |
| Minotti      | 2015 | Lorentz off-resonance                             | 1.28E+00                               | Yes   | 0.775      | nT                  | -                                   | 400                    | 5.10E-04               | 20        |
| Kumar        | 2016 | Lorentz and thermal-piezoresistive                | 2.00E+00                               | No    | -          | nT                  | 3.5                                 | 2.1                    | 400                    |          |
| Lara-Castro  | 2017 | Lorentz with custom conditioning                 | 4.20E-01                               | No    | -          | nT                  | -                                   | 3.20E-07               | 14.3                   |          |
| Marra        | 2018 | Lorentz 3-axis, recirculation                     | 5.30E-01                               | No    | 0.5        | nT                  | -                                   | 100                    | 6.70E-07               | 14.3      |
| **This work**| 2019 | F = m \cdot \nabla B on commercial platform      | 6.25E-02                               | Yes   | 3.5        | nT/cm               | 0.155                               | 1.00E+03               | 0.5                    |          |

| Author        | Year | Resolution (S.U.) | 3dB BW (Hz) | Q | Resolution (S.U.) | 3dB BW (Hz) | Q | P (mTorr) | Resonance Mode            | Filter BW (Hz) | Noise Floor (S.U.) |
|--------------|------|------------------|-------------|---|------------------|-------------|---|-----------|--------------------------|----------------|--------------------|
| Herrera-May  | 2015 | 2500             | 250         | 420 | -                | -           | - | -         | Seesaw                   | -              | -                  |
| Minotti      | 2015 | -                | -           | -   | 565              | 20          | 460 | 525       | In-plane expansion        | 150            | -                  |
| Kumar        | 2016 | 3.5              | 0.34        | 1E+06 | -                | -           | - | -         | In-plane expansion        | -              | 0.0028             |
| Lara-Castro  | 2017 | 35               | -           | -   | -                | -           | - | -         | Seesaw                   | -              | -                  |
| Marra        | 2018 | -                | 50          | 3200 | -                | -           | - | -         | "low" Expansion/seesaw   | Lock-in        | -                  |
| **This work**| 2019 | -                | 200         | 10  | 0.1              | 0.25        | 600 | 1         | In-plane translation     | 0.26           | 0.00003             |