**Amphibole Chemometers**

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| --- | --- | --- | --- |
| Reference | Melt parameter | Output name | T-dependent? |
| Ridolfi (2021) | ΔNNO | deltaNNO\_Ridolfi21 | **✗** |
| H2O | H2O\_Ridolfi21 | **✗** |
| #Zhang et al. (2017) | SiO2 (Eq 1) | SiO2\_Eq1\_Zhang17 | **✗** |
| SiO2 (Eq 2) | SiO2\_Eq2\_Zhang17 | **✗** |
| SiO2 (Eq 3) | SiO2\_Eq3\_Zhang17 | **🗸** |
| SiO2 (Eq 4) | SiO2\_Eq4\_Zhang17 | **✗** |
| TiO2 (Eq 5) | TiO2\_Eq5\_Zhang17 | **🗸** |
| TiO2 (Eq 6) | TiO2\_Eq6\_Zhang17 | **✗** |
| FeO (Eq 7) | FeO\_Eq7\_Zhang17 | **✗** |
| FeO (Eq 8) | FeO\_Eq8\_Zhang17 | **✗** |
| MgO (Eq 9) | MgO\_Eq9\_Zhang17 | **✗** |
| CaO (Eq 10) | CaO\_Eq10\_Zhang17 | **✗** |
| CaO (Eq 11) | CaO\_Eq11\_Zhang17 | **✗** |
| K2O (Eq 12) | K2O\_Eq12\_Zhang17 | **✗** |
| K2O (Eq 13) | K2O\_Eq13\_Zhang17 | **✗** |
| Al2O3 (Eq 14) | Al2O3\_Eq14\_Zhang17 | **✗** |
| Putirka (2016) | SiO2 (Eq 10) | SiO2\_Eq10\_Put2016 | **🗸** |
| Putirka (2016) | T\_Put2016\_eq4b |  | **✗** |
| T\_Put2016\_eq4a\_amp\_sat | **✗** |
| T\_Put2016\_eq9 | **✗** |
| Ridolfi and Renzulli (2012) | P\_Ridolfi2012\_1a | **✗** |  |
| P\_Ridolfi2012\_1b | **✗** |
| P\_Ridolfi2012\_1c | **✗** |
| P\_Ridolfi2012\_1d | **✗** |
| P\_Ridolfi2012\_1e | **✗** |
| Ridolfi et al. (2010) | P\_Ridolfi2010 | **✗** |
| Hammarstrom & Zen (1986) | P\_Hammerstrom1986\_eq1 | **✗** |
| P\_Hammerstrom1986\_eq2 | **✗** |
| P\_Hammerstrom1986\_eq3 | **✗** |
| Hollister et al. (1987) | P\_Hollister1987 | **✗** |
| Johnson & Rutherford (1989) | P\_Johnson1989 | **✗** |
| Blundy et al. (1990) | P\_Blundy1990 | **✗** |
| Schmidt (1992) | P\_Schmidt1992 | **✗** |
| Anderson & Smith, 1995 | P\_Anderson1995 | **🗸** |
| Krawczynski et al.(2012) | P\_Kraw2012 | **✗** |
| Putirka (2016) | T\_Put2016\_eq5 |  | **✗** |
| T\_Put2016\_eq6 | **✗** |
| T\_Put2016\_SiHbl | **✗** |
| T\_Put2016\_eq8 | **🗸** |
| Ridolfi and Renzuli, 2012 | T\_Ridolfi2012 | **🗸** |