

# Massimo Tiepolo

## List of Publications by Citations

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|--------------------|-------------------------|----------------|-----------------|
| 111<br>papers      | 5,438<br>citations      | 38<br>h-index  | 71<br>g-index   |
| 113<br>ext. papers | 6,010<br>ext. citations | 3.6<br>avg, IF | 5.58<br>L-index |

| #   | Paper                                                                                                                                                                                                                                                                                            | IF   | Citations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 111 | Growth of early continental crust controlled by melting of amphibolite in subduction zones. <i>Nature</i> , <b>2002</b> , 417, 837-40                                                                                                                                                            | 50.4 | 725       |
| 110 | MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2006</b> , 7, n/a-n/a                                                                                                 | 3.6  | 445       |
| 109 | Nb and Ta incorporation and fractionation in titanian pargasite and kaersutite: crystal-chemical constraints and implications for natural systems. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 176, 185-201                                                                       | 5.3  | 218       |
| 108 | Trace elements and Sr-Nd-Pb isotopes of K-rich, shoshonitic, and calc-alkaline magmatism of the Western Mediterranean Region: Genesis of ultrapotassic to calc-alkaline magmatic associations in a post-collisional geodynamic setting. <i>Lithos</i> , <b>2009</b> , 107, 68-92                 | 2.9  | 216       |
| 107 | Trace-element incorporation in titanite: constraints from experimentally determined solid/liquid partition coefficients. <i>Chemical Geology</i> , <b>2002</b> , 191, 105-119                                                                                                                    | 4.2  | 171       |
| 106 | Trace-Element Partitioning Between Amphibole and Silicate Melt. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2007</b> , 67, 417-452                                                                                                                                                        | 7.1  | 156       |
| 105 | High resolution (5 Th) U-Th-Pb isotope dating of monazite with excimer laser ablation (ELA)-ICPMS. <i>Chemical Geology</i> , <b>2007</b> , 240, 222-237                                                                                                                                          | 4.2  | 152       |
| 104 | Coexistence of abyssal and ultra-depleted SSZ type mantle peridotites in a Neo-Tethyan Ophiolite in SW Turkey: Constraints from mineral composition, whole-rock geochemistry (major trace REE-BE, GE), and Re-Os isotope systematics. <i>Lithos</i> , <b>2012</b> , 132-133, 50-69               | 2.9  | 128       |
| 103 | A LASER PROBE COUPLED WITH ICP DOUBLE-FOCUSING SECTOR-FIELD MASS SPECTROMETER FOR IN SITU ANALYSIS OF GEOLOGICAL SAMPLES AND U Pb DATING OF ZIRCON. <i>Canadian Mineralogist</i> , <b>2003</b> , 41, 259-272                                                                                     | 0.7  | 124       |
| 102 | Distinct site preferences for heavy and light REE in amphibole and the prediction of Amph/LDREE. <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 137, 36-45                                                                                                                     | 3.5  | 124       |
| 101 | In situ Pb geochronology of zircon with laser ablation-inductively coupled plasma-sector field mass spectrometry. <i>Chemical Geology</i> , <b>2003</b> , 199, 159-177                                                                                                                           | 4.2  | 123       |
| 100 | Fractionation of Nb and Ta from Zr and Hf at Mantle Depths: the Role of Titanian Pargasite and Kaersutite. <i>Journal of Petrology</i> , <b>2001</b> , 42, 221-232                                                                                                                               | 3.9  | 108       |
| 99  | Miocene to Messinian deformation and hydrothermal activity in a pre-Alpine basement massif of the French western Alps: new U-Th-Pb and argon ages from the Lauzie re massif. <i>Bulletin - Societe Geologique De France</i> , <b>2010</b> , 181, 227-241                                         | 2.3  | 83        |
| 98  | Fluid-induced disturbance of the monazite Th-Pb chronometer: In situ dating and element mapping in pegmatites from the Rhodope (Greece, Bulgaria). <i>Chemical Geology</i> , <b>2009</b> , 261, 286-302                                                                                          | 4.2  | 77        |
| 97  | U-Pb Detrital Zircon Analysis [Results of an Inter-laboratory Comparison. <i>Geostandards and Geoanalytical Research</i> , <b>2013</b> , 37, 243-259                                                                                                                                             | 3.6  | 71        |
| 96  | Trace-element partitioning in olivine: modelling of a complete data set from a synthetic hydrous basanite melt. <i>Lithos</i> , <b>2004</b> , 75, 39-54                                                                                                                                          | 2.9  | 69        |
| 95  | Petrology and U-Pb Zircon Geochronology of Amphibole-rich Cumulates with Sanukitic Affinity from Husky Ridge (Northern Victoria Land, Antarctica): Insights into the Role of Amphibole in the Petrogenesis of Subduction-related Magmas. <i>Journal of Petrology</i> , <b>2008</b> , 49, 937-970 | 3.9  | 66        |

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| 94 | Multiple early Paleozoic volcanic events at the northern Gondwana margin: U-Pb age evidence from the Southern Variscan branch (Sardinia, Italy). <i>Gondwana Research</i> , <b>2010</b> , 17, 44-58                                                          | 5.1 | 63 |
| 93 | Mantle amphibole trace-element and isotopic signatures trace multiple metasomatic episodes in lithospheric mantle, western Victoria, Australia. <i>Lithos</i> , <b>2004</b> , 75, 141-171                                                                    | 2.9 | 63 |
| 92 | Tephrochronology of the astronomically-tuned KC01B deep-sea core, Ionian Sea: insights into the explosive activity of the Central Mediterranean area during the last 200 ka. <i>Quaternary Science Reviews</i> , <b>2014</b> , 85, 63-84                     | 3.9 | 60 |
| 91 | Detrital zircon provenance from the Neuquén Basin (south-central Andes): Cretaceous geodynamic evolution and sedimentary response in a retroarc-foreland basin. <i>Geology</i> , <b>2012</b> , 40, 559-562                                                   | 5   | 60 |
| 90 | Age determination of Ordovician magmatism in NE Sardinia and its bearing on Variscan basement evolution. <i>Journal of the Geological Society</i> , <b>2005</b> , 162, 689-700                                                                               | 2.7 | 59 |
| 89 | Trace element distribution within olivine-bearing gabbros from the Northern Apennine ophiolites (Italy): evidence for post-cumulus crystallization in MOR-type gabbroic rocks. <i>Contributions To Mineralogy and Petrology</i> , <b>1999</b> , 134, 123-133 | 3.5 | 58 |
| 88 | High-Mg Andesite Petrogenesis by Amphibole Crystallization and Ultramafic Crust Assimilation: Evidence from Adamello Hornblendites (Central Alps, Italy). <i>Journal of Petrology</i> , <b>2011</b> , 52, 1011-1045                                          | 3.9 | 57 |
| 87 | Petrology and U-Pb geochronology of the sapphirine-quartz-bearing metapelites from Rajapalayam, Madurai Block, Southern India: Evidence for polyphase Neoproterozoic high-grade metamorphism. <i>Chemical Geology</i> , <b>2007</b> , 241, 129-147           | 4.2 | 56 |
| 86 | U-Pb zircon ages for post-Variscan volcanism in the Ligurian Alps (Northern Italy). <i>Journal of the Geological Society</i> , <b>2009</b> , 166, 101-114                                                                                                    | 2.7 | 55 |
| 85 | Microtektites from Victoria Land Transantarctic Mountains. <i>Geology</i> , <b>2008</b> , 36, 291                                                                                                                                                            | 5   | 54 |
| 84 | Miocene andalusite leucogranite in central-east Himalaya (Everest-Masang Kang area): Low-pressure melting during heating. <i>Lithos</i> , <b>2012</b> , 144-145, 194-208                                                                                     | 2.9 | 50 |
| 83 | Emplacement of the Arzachena Pluton (Corsica-Sardinia Batholith) and the geodynamics of incoming Pangaea. <i>Tectonophysics</i> , <b>2012</b> , 544-545, 31-49                                                                                               | 3.1 | 49 |
| 82 | Geochronological constraints on post-collisional shear zones in the Variscides of Sardinia (Italy). <i>Terra Nova</i> , <b>2012</b> , 24, 42-51                                                                                                              | 3   | 48 |
| 81 | Exhumation of a Variscan orogenic complex: insights into the composite granulitic-amphibolitic metamorphic basement of south-east Corsica (France). <i>Journal of Metamorphic Geology</i> , <b>2008</b> , 26, 403-436                                        | 4.4 | 46 |
| 80 | Crystal recycling in the steady-state system of the active Stromboli volcano: a 2.5-ka story inferred from in situ Sr-isotope and trace element data. <i>Contributions To Mineralogy and Petrology</i> , <b>2012</b> , 163, 109-131                          | 3.5 | 44 |
| 79 | Transantarctic Mountain microtektites: Geochemical affinity with Australasian microtektites. <i>Geochimica Et Cosmochimica Acta</i> , <b>2009</b> , 73, 3694-3722                                                                                            | 5.5 | 44 |
| 78 | Mantle-crust interactions in the oceanic lithosphere: Constraints from minor and trace elements in olivine. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 141, 423-439                                                                              | 5.5 | 43 |
| 77 | Partitioning of rare earth elements, Y, Th, U, and Pb between pargasite, kaersutite, and basanite to trachyte melts: Implications for percolated and veined mantle. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2000</b> , 1, n/a-n/a                   | 3.6 | 43 |

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| 76 | New constraints on the origin and age of Variscan eclogitic rocks (Ligurian Alps, Italy). <i>Contributions To Mineralogy and Petrology</i> , <b>2007</b> , 153, 29-53                                                                                              | 3.5 | 42 |
| 75 | Origin of titanian pargasite in gabbroic rocks from the Northern Apennine ophiolites (Italy): insights into the late-magmatic evolution of a MOR-type intrusive sequence. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 176, 281-293                  | 5.3 | 39 |
| 74 | Petrology of Karoo volcanic rocks in the southern Lebombo monocline, Mozambique. <i>Journal of African Earth Sciences</i> , <b>2008</b> , 52, 139-151                                                                                                              | 2.2 | 38 |
| 73 | On the Recycling of Amphibole-rich Ultramafic Intrusive Rocks in the Arc Crust: Evidence from Shikanoshima Island (Kyushu, Japan). <i>Journal of Petrology</i> , <b>2012</b> , 53, 1255-1285                                                                       | 3.9 | 37 |
| 72 | Major and trace element characterization of tephra layers offshore Pantelleria Island: insights into the last 200 ka of volcanic activity and contribution to the Mediterranean tephrochronology. <i>Journal of Quaternary Science</i> , <b>2012</b> , 27, 129-140 | 2.3 | 36 |
| 71 | A volcanic marker (92 ka) for dating deep east Antarctic ice cores. <i>Quaternary Science Reviews</i> , <b>2006</b> , 25, 2682-2687                                                                                                                                | 3.9 | 36 |
| 70 | A mafic-ultramafic cumulate sequence derived from boninite-type melts (Niagara Icefalls, northern Victoria Land, Antarctica). <i>Contributions To Mineralogy and Petrology</i> , <b>2008</b> , 155, 619-633                                                        | 3.5 | 35 |
| 69 | Origin and age of zircon-bearing chromitite layers from the Finero phlogopite peridotite (Ivrea-Verbano Zone, Western Alps) and geodynamic consequences. <i>Lithos</i> , <b>2016</b> , 262, 58-74                                                                  | 2.9 | 34 |
| 68 | Interaction between basic and acid magmas during the latest stages of the post-collisional Variscan evolution: Clues from the gabbro-granite association of Ota (Corsica-Bardinia batholith). <i>Lithos</i> , <b>2006</b> , 90, 92-110                             | 2.9 | 33 |
| 67 | U-Pb zircon geochronology of the Ligurian ophiolites (Northern Apennine, Italy): Implications for continental breakup to slow seafloor spreading. <i>Tectonophysics</i> , <b>2016</b> , 666, 220-243                                                               | 3.1 | 32 |
| 66 | P-T path of the Hercynian low-pressure rocks from the Mandatoriccio complex (Sila Massif, Calabria, Italy): new insights for crustal evolution. <i>Journal of Metamorphic Geology</i> , <b>2010</b> , 28, 137-162                                                  | 4.4 | 31 |
| 65 | On the onset and evolution of the Ross-orogeny magmatism in North Victoria Land (Antarctica). <i>Chemical Geology</i> , <b>2007</b> , 240, 103-128                                                                                                                 | 4.2 | 31 |
| 64 | Preservation of old (prograde metamorphic) U-Th-Pb ages in unshielded monazite from the high-pressure paragneisses of the Variscan Ulten Zone (Italy). <i>Lithos</i> , <b>2011</b> , 127, 68-85                                                                    | 2.9 | 30 |
| 63 | U-Pb and <sup>40</sup> Ar- <sup>39</sup> Ar geochronology of Palaeozoic units in the northern Apennines: determining protolith age and alpine evolution using the Calamita Schist and Ortano Porphyroid. <i>Geological Journal</i> , <b>2011</b> , 46, 288-310     | 1.7 | 30 |
| 62 | Growth and movement patterns of early juvenile European anchovy ( <i>Engraulis encrasicolus</i> L.) in the Bay of Biscay based on otolith microstructure and chemistry. <i>Fisheries Oceanography</i> , <b>2010</b> , 19, 196-208                                  | 2.4 | 30 |
| 61 | 11. Trace-Element Partitioning Between Amphibole and Silicate Melt <b>2007</b> , 417-452                                                                                                                                                                           |     | 29 |
| 60 | Laser ablation multicollector ICPMS determination of <sup>11</sup> B in geological samples. <i>Applied Geochemistry</i> , <b>2006</b> , 21, 788-801                                                                                                                | 3.5 | 29 |
| 59 | The basement of Calabria (southern Italy) within the context of the Southern European Variscides: LA-ICPMS and SIMS U-Pb zircon study. <i>Lithos</i> , <b>2008</b> , 104, 1-11                                                                                     | 2.9 | 28 |

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| 58 | Detection, crystal-chemical mechanisms and petrological implications of [6]Ti <sup>4+</sup> partitioning in pargasite and kaersutite. <i>European Journal of Mineralogy</i> , <b>1999</b> , 11, 345-354                                                                                                      | 2.2 | 28 |
| 57 | U-Pb zircon geochronological and petrographic constraints on late to post-collisional Variscan magmatism and metamorphism in the Ligurian Alps, Italy. <i>Geological Journal</i> , <b>2012</b> , 47, 632-652                                                                                                 | 1.7 | 26 |
| 56 | Geodynamics of rift-plume interaction in Iceland as constrained by new <sup>40</sup> Ar/ <sup>39</sup> Ar and in situ U-Pb zircon ages. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 311, 28-38                                                                                                | 5.3 | 26 |
| 55 | Unusual evolution of silica-under- and -oversaturated alkaline rocks in the Cenozoic Ambohimirahavy Complex (Madagascar): Mineralogical and geochemical evidence. <i>Lithos</i> , <b>2014</b> , 206-207, 361-383                                                                                             | 2.9 | 25 |
| 54 | U-Pb dating of granodiorite and granite units of the Los Pedroches batholith. Implications for geodynamic models of the southern Central Iberian Zone (Iberian Massif). <i>International Journal of Earth Sciences</i> , <b>2009</b> , 98, 1609-1624                                                         | 2.2 | 25 |
| 53 | Origin and timing of the post-Variscan gabbro-granite complex of Porto (Western Corsica). <i>Contributions To Mineralogy and Petrology</i> , <b>2007</b> , 154, 493-517                                                                                                                                      | 3.5 | 25 |
| 52 | The compositions of mantle-derived melts developed during the Alpine continental collision. <i>Contributions To Mineralogy and Petrology</i> , <b>2002</b> , 144, 1-15                                                                                                                                       | 3.5 | 25 |
| 51 | U-Pb Ages, Pb-Os Isotope Ratios, and Platinum-Group Element (PGE) Composition of the West-Central Madagascar Flood Basalt Province. <i>Journal of Geology</i> , <b>2010</b> , 118, 523-541                                                                                                                   | 2   | 24 |
| 50 | Degassing, crystallization and eruption dynamics at Stromboli: trace element and lithium isotopic evidence from 2003 ashes. <i>Contributions To Mineralogy and Petrology</i> , <b>2010</b> , 159, 541-561                                                                                                    | 3.5 | 24 |
| 49 | Jadeite-gneiss from the Eclogite Zone, Tauern Window, Eastern Alps, Austria: Metamorphic, geochemical and zircon record of a sedimentary protolith. <i>Lithos</i> , <b>2007</b> , 93, 68-88                                                                                                                  | 2.9 | 24 |
| 48 | Time constraints on deformation of the Ajjaj branch of one of the largest Proterozoic shear zones on Earth: The Najd Fault System. <i>Gondwana Research</i> , <b>2016</b> , 34, 346-362                                                                                                                      | 5.1 | 22 |
| 47 | U-Pb zircon dating and nature of metavolcanics and metarkoses from the Monte Grighini Unit: new insights on Late Ordovician magmatism in the Variscan belt in Sardinia, Italy. <i>International Journal of Earth Sciences</i> , <b>2013</b> , 102, 2077-2096                                                 | 2.2 | 22 |
| 46 | Synchronous Periadriatic magmatism in the Western and Central Alps in the absence of slab breakoff. <i>Terra Nova</i> , <b>2019</b> , 31, 120-128                                                                                                                                                            | 3   | 21 |
| 45 | Reactive flow as dominant evolution process in the lowermost oceanic crust: evidence from olivine of the Pineto ophiolite (Corsica). <i>Contributions To Mineralogy and Petrology</i> , <b>2015</b> , 170, 1                                                                                                 | 3.5 | 21 |
| 44 | Trace-element partitioning between synthetic potassic-richterites and silicate melts, and contrasts with the partitioning behaviour of pargasites and kaersutites. <i>European Journal of Mineralogy</i> , <b>2003</b> , 15, 329-340                                                                         | 2.2 | 21 |
| 43 | Trace element and Pb-Bi isotope systematics of olivine-hosted melt inclusions: insights into source metasomatism beneath Stromboli (southern Italy). <i>Contributions To Mineralogy and Petrology</i> , <b>2012</b> , 163, 1011-1031                                                                         | 3.5 | 20 |
| 42 | A comparative U-Th-Pb (zircon-monazite) and <sup>40</sup> Ar/ <sup>39</sup> Ar (muscovite-biotite) study of shear zones in northern Victoria Land (Antarctica): implications for geochronology and localized reworking of the Ross Orogen. <i>Journal of Metamorphic Geology</i> , <b>2007</b> , 25, 605-630 | 4.4 | 20 |
| 41 | Volcanic activity and its link to glaciation cycles: Single-grain age and geochemistry of Early to Middle Miocene volcanic glass from ANDRILL AND-2A core, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , <b>2013</b> , 250, 106-128                                                    | 2.8 | 19 |

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| 40 | A crystal chemical re-evaluation of amphibole/melt and amphibole/clinopyroxene DTi values in petrogenetic studies. <i>American Mineralogist</i> , <b>2000</b> , 85, 407-419                                                                          | 2.9 | 19 |
| 39 | UPb zircon geochronology of volcanic deposits from the Permian basin of the Orobic Alps (Southern Alps, Lombardy): chronostratigraphic and geological implications. <i>Geological Magazine</i> , <b>2015</b> , 152, 429-443                          | 2   | 18 |
| 38 | New insights on the origin of troctolites from the breakaway area of the Godzilla Megamullion (Parece Vela back-arc basin): The role of melt-mantle interaction on the composition of the lower crust. <i>Island Arc</i> , <b>2016</b> , 25, 220-234 | 2   | 18 |
| 37 | The role of natural solidification paths on REE partitioning between clinopyroxene and melt. <i>Bulletin of Volcanology</i> , <b>2014</b> , 76, 1                                                                                                    | 2.4 | 18 |
| 36 | Dating of ultramafic rocks from the Western Alps ophiolites discloses Late Cretaceous subduction ages in the Zermatt-Saas Zone. <i>Geological Magazine</i> , <b>2018</b> , 155, 298-315                                                              | 2   | 17 |
| 35 | Alpine Tethys closure as revealed by amphibole-rich mafic and ultramafic rocks from the Adamello and the Bergell intrusions (Central Alps). <i>Journal of the Geological Society</i> , <b>2014</b> , 171, 793-799                                    | 2.7 | 16 |
| 34 | The metasomatic record in the shallow peridotite mantle beneath Grenada (Lesser Antilles arc). <i>Lithos</i> , <b>2007</b> , 99, 25-44                                                                                                               | 2.9 | 16 |
| 33 | Slab-melting during Alpine orogeny: evidence from mafic cumulates of the Adamello batholith (Central Alps, Italy). <i>Chemical Geology</i> , <b>2005</b> , 216, 271-288                                                                              | 4.2 | 16 |
| 32 | Determination of Lithium, Beryllium and Boron at Trace Levels by Laser Ablation-Inductively Coupled Plasma-Sector Field Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , <b>2005</b> , 29, 211-224                                |     | 15 |
| 31 | Geochronological study of zircons from continental crust rocks in the Frido Unit (southern Apennines). <i>International Journal of Earth Sciences</i> , <b>2015</b> , 104, 179-203                                                                   | 2.2 | 14 |
| 30 | Zircon U-Pb Dating of a Lower Crustal Shear Zone: A Case Study From the Northern Sector of the Ivrea-Verbano Zone (Val Cannobina, Italy). <i>Tectonics</i> , <b>2018</b> , 37, 322-342                                                               | 4.3 | 14 |
| 29 | (Garnet)-spinel peridotite xenoliths from Mega (Ethiopia): Evidence for rejuvenation and dynamic thinning of the lithosphere beneath the southern Main Ethiopian Rift. <i>Chemical Geology</i> , <b>2017</b> , 455, 231-248                          | 4.2 | 14 |
| 28 | Evaluating asbestos fibre concentration in metaophiolites: a case study from the Voltri Massif and Sestri-Voltaggio Zone (Liguria, NW Italy). <i>Environmental Earth Sciences</i> , <b>2010</b> , 61, 1621-1639                                      | 2.9 | 14 |
| 27 | New UPb (ID-TIMS and LA-ICPMS) and 40Ar/39Ar geochronological constraints of the Cretaceous geologic time scale calibration from Hokkaido (Japan). <i>Chemical Geology</i> , <b>2011</b> , 286, 72-83                                                | 4.2 | 13 |
| 26 | Ductile-brittle deformation effects on crystal-chemistry and UPb ages of magmatic and metasomatic zircons from a dyke of the Finero Mafic Complex (Ivrea-Verbano Zone, Italian Alps). <i>Lithos</i> , <b>2017</b> , 284-285, 493-511                 | 2.9 | 12 |
| 25 | PHOSPHATE ASSEMBLAGES FROM THE BRISSAGO GRANITIC PEGMATITE, WESTERN SOUTHERN ALPS, SWITZERLAND. <i>Canadian Mineralogist</i> , <b>2008</b> , 46, 635-650                                                                                             | 0.7 | 12 |
| 24 | Evolution of gabbroic rocks of the Northern Apennine ophiolites (Italy): Comparison with the lower oceanic crust from modern slow-spreading ridges <b>2000</b> ,                                                                                     |     | 12 |
| 23 | Trace elements in minerals from mafic and ultramafic cumulates of the central Sierra de Valle Fértil, Famatinian arc, Argentina. <i>Lithos</i> , <b>2016</b> , 240-243, 355-370                                                                      | 2.9 | 11 |



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| 22 | The contribution of amphibole from deep arc crust to the silicate Earth's Nb budget. <i>Lithos</i> , <b>2014</b> , 208-209, 16-20                                                                                                                                                                 | 2.9 | 11 |
| 21 | UPb zircon data of Variscan meta-igneous and igneous acidic rocks from an Alpine shear zone in Calabria (southern Italy). <i>International Journal of Earth Sciences</i> , <b>2011</b> , 100, 139-155                                                                                             | 2.2 | 11 |
| 20 | Metasedimentary and igneous xenoliths from Tallante (Betic Cordillera, Spain): Inferences on crust-mantle interactions and clues for post-collisional volcanism magma sources. <i>Lithos</i> , <b>2015</b> , 220-223, 191-199                                                                     | 2.9 | 10 |
| 19 | Polycyclic alpine orogeny in the Rhodope metamorphic complex: the record in migmatites from the Nestos shear zone (N. Greece). <i>Bulletin - Societe Geologique De France</i> , <b>2017</b> , 188, 36                                                                                             | 2.3 | 10 |
| 18 | In situ U-Pb geochronology of baddeleyite-zircon pairs using laser-ablation ICPMS: the case-study of quartz gabbro from Varney Nunatak (central Victoria Land, Antarctica). <i>European Journal of Mineralogy</i> , <b>2011</b> , 23, 223-240                                                     | 2.2 | 10 |
| 17 | Serpentinization and Deserpentinization Reactions in the Upper Mantle beneath Fuerteventura Revealed by Peridotite Xenoliths with Fibrous Orthopyroxene and Mottled Olivine. <i>Journal of Petrology</i> , <b>2015</b> , 56, 3-31                                                                 | 3.9 | 9  |
| 16 | Chemical and oxygen isotopic compositions, age and origin of gem corundums in Madagascar alkali basalts. <i>Journal of African Earth Sciences</i> , <b>2014</b> , 94, 156-170                                                                                                                     | 2.2 | 9  |
| 15 | Geochemistry and zircon UPb geochronology of Aligoodarz granitoid complex, Sanandaj-Sirjan Zone, Iran. <i>Journal of Asian Earth Sciences</i> , <b>2011</b> , 43, 11-11                                                                                                                           | 2.8 | 9  |
| 14 | Tracking magma dynamics by laser ablation (LA)-ICPMS trace element analysis of glass in volcanic ash: The 1995 activity of Mt. Etna. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,                                                                                                      | 4.9 | 9  |
| 13 | Into the deep and beyond: Carbon and nitrogen subduction recycling in secondary peridotites. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 543, 116328                                                                                                                               | 5.3 | 8  |
| 12 | Occurrence of phlogopite in the Finero Mafic layered complex. <i>Open Geosciences</i> , <b>2014</b> , 6,                                                                                                                                                                                          | 1.3 | 8  |
| 11 | Subduction-related hybridization of the lithospheric mantle revealed by trace element and Sr-Nd-Pb isotopic data in composite xenoliths from Tallante (Betic Cordillera, Spain). <i>Lithos</i> , <b>2020</b> , 352-353, 105316                                                                    | 2.9 | 8  |
| 10 | On the occurrence and implications of Jurassic primary continental boninite-like melts in the Zagros orogen. <i>Lithos</i> , <b>2016</b> , 258-259, 37-57                                                                                                                                         | 2.9 | 7  |
| 9  | Zircon UPb geochronology of lower crust and quartzo-feldspathic clastic sediments from the Balagne ophiolite (Corsica). <i>Swiss Journal of Geosciences</i> , <b>2017</b> , 110, 479-501                                                                                                          | 2.1 | 6  |
| 8  | N-MORB crust beneath Fuerteventura in the easternmost part of the Canary Islands: evidence from gabbroic xenoliths. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 150, 156-173                                                                                                 | 3.5 | 5  |
| 7  | The proximal marine record of the Marsili Seamount in the last 7 ka (Southern Tyrrhenian Sea, Italy): Implications for the active processes in the Tyrrhenian Sea back-arc. <i>Global and Planetary Change</i> , <b>2015</b> , 133, 2-16                                                          | 4.2 | 4  |
| 6  | Mg/Ca ratios in the planktonic foraminifer <i>Neoglobobulimina pachyderma</i> (sinistral) from plankton tows in the Ross Sea and the Pacific sector of the Southern Ocean (Antarctica): comparison of different methodological approaches. <i>Chemistry and Ecology</i> , <b>2008</b> , 24, 39-46 | 2.3 | 2  |
| 5  | Atmospheric Nitrogen Depositions in a Highly Human-Impacted Area. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1                                                                                                                                                                    | 2.6 | 1  |

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| 4 | Clinopyroxene chemistry in Tertiary alkaline volcanic rocks from Taleghan, central Alborz, Iran: Implications for two parental melts. <i>Chemie Der Erde</i> , <b>2013</b> , 73, 565-568            | 4.3 | 1 |
| 3 | The crystal chemistry of lithium and Fe <sup>3+</sup> in synthetic orthopyroxene. <i>Physics and Chemistry of Minerals</i> , <b>2006</b> , 33, 475-483                                              | 1.6 | 1 |
| 2 | Effect of chlorine on water incorporation in magmatic amphibole: experimental constraints with a micro-Raman spectroscopy approach. <i>European Journal of Mineralogy</i> , <b>2022</b> , 34, 19-34 | 2.2 | 1 |
| 1 | The influence of oxygen fugacity and chlorine on amphibole-liquid trace element partitioning at upper-mantle conditions. <i>European Journal of Mineralogy</i> , <b>2022</b> , 34, 35-57            | 2.2 | 1 |