

# Thomas Pettke

## List of Publications by Year in descending order

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171  
papers

14,130  
citations

15504

65  
h-index

20358

116  
g-index

190  
all docs

190  
docs citations

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times ranked

7644  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Deep subduction, melting, and fast cooling of metapelites from the Cima Lunga Unit, Central Alps. <i>Journal of Metamorphic Geology</i> , 2022, 40, 121-143.   | 3.4 | 5         |
| 2  | Apatite low-temperature chronometry and microstructures across a hydrothermally active fault zone. <i>Chemical Geology</i> , 2022, 588, 120633.  | 3.3 | 4         |
| 3  | Fluid-mediated element cycling in subducted oceanic lithosphere: The orogenic serpentinite perspective. <i>Earth-Science Reviews</i> , 2022, 225, 103896.  | 9.1 | 12        |
| 4  | Iron isotope compositions of subduction-derived rocks: Insights from eclogites and metasediments of the Münchberg Massif (Germany). <i>Chemical Geology</i> , 2022, 602, 120899.   | 3.3 | 0         |
| 5  | Zircon petrochronology in large igneous provinces reveals upper crustal contamination processes: new U–Pb ages, Hf and O isotopes, and trace elements from the Central Atlantic magmatic province (CAMP). <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1. | 3.1 | 25        |
| 6  | U–Pb geochronology of epidote by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) as a tool for dating hydrothermal-vein formation. <i>Geochronology</i> , 2021, 3, 123-147.  | 2.5 | 8         |
| 7  | Antigorite dehydration fluids boost carbonate mobilisation and crustal CO <sub>2</sub> outgassing in collisional orogens. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 300, 192-214.   | 3.9 | 7         |
| 8  | Textural and Geochemical Evidence for Magnetite Production upon Antigorite Breakdown During Subduction. <i>Journal of Petrology</i> , 2021, 62, .  | 2.8 | 12        |
| 9  | The Molybdenum isotope subduction recycling conundrum: A case study from the Tongan subduction zone, Western Alps and Alpine Corsica. <i>Chemical Geology</i> , 2021, 576, 120231.   | 3.3 | 25        |
| 10 | Titanium isotopic compositions of bulk rocks and mineral separates from the Kos magmatic suite: Insights into fractional crystallization and magma mixing processes. <i>Chemical Geology</i> , 2021, 578, 120303.  | 3.3 | 19        |
| 11 | Molybdenum isotope fractionation at upper-crustal magmatic-hydrothermal conditions. <i>Chemical Geology</i> , 2021, 578, 120319.   | 3.3 | 12        |
| 12 | Trace element and oxygen isotope study of eclogites and associated rocks from the Münchberg Massif (Germany) with implications on the protolith origin and fluid-rock interactions. <i>Chemical Geology</i> , 2021, 579, 120352.   | 3.3 | 4         |
| 13 | Geochemical and isotopic constraints on the dynamics of the Earth: a Special Issue dedicated to Jan Dirk Kramers and his legacy to geochemistry. <i>Chemical Geology</i> , 2021, 583, 120462.  | 3.3 | 0         |
| 14 | Fingerprinting and relocating tectonic slices along the plate interface: Evidence from the Lago Superiore unit at Monviso (Western Alps). <i>Lithos</i> , 2020, 352-353, 105308.   | 1.4 | 9         |
| 15 | Ion microprobe dating of fissure monazite in the Western Alps: insights from the Argentera Massif and the Piemontais and Briançonnais Zones. <i>Swiss Journal of Geosciences</i> , 2020, 113, .  | 1.2 | 4         |
| 16 | Geothermal energy and ore-forming potential of 600 °C mid-ocean-ridge hydrothermal fluids. <i>Geology</i> , 2020, 48, 1221-1225.   | 4.4 | 13        |
| 17 | Correction to: Ion microprobe dating of fissure monazite in the Western Alps: insights from the Argentera Massif and the Piemontais and Briançonnais Zones. <i>Swiss Journal of Geosciences</i> , 2020, 113, .   | 1.2 | 0         |
| 18 | The role of brucite in water and element cycling during serpentinite subduction – Insights from Erro Tobbio (Liguria, Italy). <i>Lithos</i> , 2020, 360-361, 105431.   | 1.4 | 14        |

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|----|--|------|-----------|
| 19 | Ophicarbonates evolution from seafloor to subduction and implications for deep-Earth C cycling. <i>Chemical Geology</i> , 2020, 546, 119626.   | 3.3  | 21        |
| 20 | Composition of the Geothermal Fluid at 4500 M Depth in the Hottest Geothermal Borehole in Iceland. , 2020, , .   |      | 0         |
| 21 | Fluid Pulses During Stepwise Brecciation at Intermediate Subduction Depths (Monviso Eclogites, W.) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i> 5285-5318.   | 2.5  | 15        |
| 22 | Petrology and Geochemistry of Serpentinites Associated with the Ultra-High Pressure Lago di Cignana Unit (Italian Western Alps). <i>Journal of Petrology</i> , 2019, 60, 1229-1262.  | 2.8  | 20        |
| 23 | Subducting serpentinites release reduced, not oxidized, aqueous fluids. <i>Scientific Reports</i> , 2019, 9, 19573.  | 3.3  | 73        |
| 24 | Molybdenum isotope variations in calc-alkaline lavas from the Banda arc, Indonesia: Assessing the effect of crystal fractionation in creating isotopically heavy continental crust. <i>Chemical Geology</i> , 2018, 485, 1-13.   | 3.3  | 50        |
| 25 | Experimental determination of magnesia and silica solubilities in graphite-saturated and redox-buffered high-pressure COH fluids in equilibrium with forsterite+enstatite and magnesite+enstatite. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.            | 3.1  | 34        |
| 26 | The Malpaisillo Formation: A sequence of explosive eruptions in the mid to late Pleistocene (Nicaragua, Central America). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 359, 47-67.  | 2.1  | 9         |
| 27 | The influence of oceanic oxidation on serpentinite dehydration during subduction. <i>Earth and Planetary Science Letters</i> , 2018, 499, 173-184.   | 4.4  | 34        |
| 28 | From ocean to mantle: new evidence for U-cycling with implications for the HIMU source and the secular Pb isotope evolution of Earth's mantle. <i>Lithos</i> , 2018, 316-317, 66-76.   | 1.4  | 18        |
| 29 | Relationship between cation substitution and hydrogen-bond system in hydrous pyroxenoids with three-periodic single-chain of SiO4 tetrahedra: pectolite, murakamiite, marshallussmanite, serandite and tanohataite. <i>European Journal of Mineralogy</i> , 2018, 30, 451-463. | 1.3  | 10        |
| 30 | Evaluation of Major to Ultra Trace Element Bulk Rock Chemical Analysis of Nanoparticulate Pressed Powder Pellets by LA-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 5-28.  | 3.1  | 63        |
| 31 | Non-matrix-matched standardisation in LA-ICP-MS analysis: general approach, and application to allanite Th-U-Pb dating. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1359-1377.  | 3.0  | 34        |
| 32 | Th-Pb ion probe dating of zoned hydrothermal monazite and its implications for repeated shear zone activity: An example from the Central Alps, Switzerland. <i>Tectonics</i> , 2017, 36, 671-689.  | 2.8  | 34        |
| 33 | On the use of Li isotopes as a proxy for water-rock interaction in fractured crystalline rocks: A case study from the Gotthard rail base tunnel. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 396-418.  | 3.9  | 16        |
| 34 | Silicate dissolution boosts the CO2 concentrations in subduction fluids. <i>Nature Communications</i> , 2017, 8, 616.  | 12.8 | 45        |
| 35 | Linking tephrochronology and soil characteristics in the Sila and Nebrodi mountains, Italy. <i>Catena</i> , 2017, 158, 266-285.  | 5.0  | 22        |
| 36 | Fluid-mobile elements in serpentinites: Constraints on serpentinisation environments and element cycling in subduction zones. <i>Chemical Geology</i> , 2017, 466, 654-666.  | 3.3  | 71        |

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|----|---|-----|-----------|
| 37 | Anisotropy of magnetic susceptibility in alkali feldspar and plagioclase. <i>Geophysical Journal International</i> , 2016, 205, 479-489.  | 2.4 | 20        |
| 38 | Magnetic anisotropy in clinopyroxene and orthopyroxene single crystals. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1431-1451.   | 3.4 | 21        |
| 39 | The mobility of Nb in rutile-saturated NaCl- and NaF-bearing aqueous fluids from 1–6.5 GPa and 300–800 °C. <i>American Mineralogist</i> , 2015, 100, 1600-1609.   | 1.9 | 34        |
| 40 | Melting of metasomatized peridotite at 4–6 GPa and up to 1200 °C: an experimental approach. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.  | 3.1 | 26        |
| 41 | Age of cleft monazites in the eastern Tauern Window: constraints on crystallization conditions of hydrothermal monazite. <i>Swiss Journal of Geosciences</i> , 2015, 108, 55-74.  | 1.2 | 17        |
| 42 | Characterisation of a Natural Quartz Crystal as a Reference Material for Microanalytical Determination of Ti, Al, Li, Fe, Mn, Ga and Ge. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 171-184.  | 3.1 | 81        |
| 43 | The behaviour of incompatible elements during hydrous melting of metasomatized peridotite at 4–6 GPa and 1000–1200 °C. <i>Lithos</i> , 2015, 236-237, 141-155.  | 1.4 | 12        |
| 44 | Fluid-related inclusions in Alpine high-pressure peridotite reveal trace element recycling during subduction-zone dehydration of serpentinized mantle (Cima di Gagnone, Swiss Alps). <i>Earth and Planetary Science Letters</i> , 2015, 429, 45-59. | 4.4 | 90        |
| 45 | Magnetic anisotropy in natural amphibole crystals. <i>American Mineralogist</i> , 2015, 100, 1940-1951.   | 1.9 | 22        |
| 46 | Diagenesis of a light, tight-oil chert reservoir at the Ediacaran/Cambrian boundary, Sultanate of Oman. <i>Georabia</i> , 2015, 20, 147-178.  | 1.6 | 3         |
| 47 | The relation between Li–Na substitution and hydrogen bonding in five-periodic single-chain silicates nambulite and marsturite: A single-crystal X-ray study. <i>American Mineralogist</i> , 2014, 99, 1462-1470.                                    | 1.9 | 8         |
| 48 | Magma differentiation fractionates Mo isotope ratios: Evidence from the Kos Plateau Tuff (Aegean) <small>Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50</small>   | 1.4 | 128       |
| 49 | Channelized Fluid Flow and Eclogite-facies Metasomatism along the Subduction Shear Zone. <i>Journal of Petrology</i> , 2014, 55, 883-916.   | 2.8 | 139       |
| 50 | Anisotropy of magnetic susceptibility in natural olivine single crystals. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3051-3065.  | 2.5 | 21        |
| 51 | Petrology and Trace Element Budgets of High-pressure Peridotites Indicate Subduction Dehydration of Serpentinized Mantle (Cima di Gagnone, Central Alps, Switzerland). <i>Journal of Petrology</i> , 2014, 55, 459-498.                             | 2.8 | 90        |
| 52 | Experimental study of trace element release during ultrahigh-pressure serpentinite dehydration. <i>Earth and Planetary Science Letters</i> , 2014, 391, 296-306.  | 4.4 | 45        |
| 53 | Magmatic–hydrothermal molybdenum isotope fractionation and its relevance to the igneous crustal signature. <i>Lithos</i> , 2014, 190-191, 104-110.  | 1.4 | 71        |
| 54 | Subduction zone fluxes of halogens and noble gases in seafloor and forearc serpentinites. <i>Earth and Planetary Science Letters</i> , 2013, 365, 86-96.  | 4.4 | 137       |

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|----|---|-----|-----------|
| 55 | Primary silica precipitate at the Precambrian/Cambrian boundary in the South Oman Salt Basin, Sultanate of Oman. <i>Marine and Petroleum Geology</i> , 2013, 39, 187-197.   | 3.3 | 55        |
| 56 | Melt inclusion evidence for magma evolution at Mutnovsky volcano, Kamchatka. <i>Geofluids</i> , 2013, 13, 421-439.  | 0.7 | 5         |
| 57 | Titanium-in-quartz thermometry on synkinematic quartz veins in a retrograde crustal-scale normal fault zone. <i>Tectonophysics</i> , 2013, 608, 468-481.  | 2.2 | 35        |
| 58 | Tethyan mantle metasomatism creates subduction geochemical signatures in non-arc Cu-Au-Te mineralizing magmas, Apuseni Mountains (Romania). <i>Earth and Planetary Science Letters</i> , 2013, 366, 122-136.  | 4.4 | 26        |
| 59 | Implications of trace element composition of syntaxial quartz cements for the geochemical conditions during quartz precipitation in sandstones. <i>Sedimentology</i> , 2013, 60, 1111-1127.   | 3.1 | 14        |
| 60 | Constraints on fluid evolution during metamorphism from U-Th-Pb systematics in Alpine hydrothermal monazite. <i>Chemical Geology</i> , 2012, 326-327, 61-71.  | 3.3 | 74        |
| 61 | Quantification and spatial distribution of dose rate relevant elements in silex used for luminescence dating. <i>Quaternary Geochronology</i> , 2012, 12, 65-73.  | 1.4 | 8         |
| 62 | The impact of igneous bedrock weathering on the Mo isotopic composition of stream waters: Natural samples and laboratory experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 150-165.   | 3.9 | 83        |
| 63 | Depth dependent element ratios in fluid inclusion analysis by laser ablation ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 505.  | 3.0 | 13        |
| 64 | Source of metals in the Guocheng gold deposit, Jiaodong Peninsula, North China Craton: Link to early Cretaceous mafic magmatism originating from Paleoproterozoic metasomatized lithospheric mantle. <i>Ore Geology Reviews</i> , 2012, 48, 70-87.                        | 2.7 | 84        |
| 65 | Geochemistry of Ocean Floor and Fore-arc Serpentinites: Constraints on the Ultramafic Input to Subduction Zones. <i>Journal of Petrology</i> , 2012, 53, 235-270.   | 2.8 | 232       |
| 66 | $^{98/95}\text{Mo}$ values and Molybdenum Concentration Data for NIST SRM 610, 612 and 3134: Towards a Common Protocol for Reporting Mo Data. <i>Geostandards and Geoanalytical Research</i> , 2012, 36, 291-300.   | 3.1 | 98        |
| 67 | Carbonate assimilation during magma evolution at Nisyros (Greece), South Aegean Arc: Evidence from clinopyroxene xenoliths. <i>Lithos</i> , 2012, 146-147, 18-33.   | 1.4 | 37        |
| 68 | Recent developments in element concentration and isotope ratio analysis of individual fluid inclusions by laser ablation single and multiple collector ICP-MS. <i>Ore Geology Reviews</i> , 2012, 44, 10-38.  | 2.7 | 227       |
| 69 | Quantification of transient signals in multiple collector inductively coupled plasma mass spectrometry: accurate lead isotope ratio determination by laser ablation of individual fluid inclusions. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 475-492. | 3.0 | 43        |
| 70 | Severe structural damage in Cr- and V-rich clinozoisite: relics of an epidote-group mineral with Ca <sub>2</sub> Al <sub>2</sub> Cr <sub>3</sub> Si <sub>3</sub> O <sub>12</sub> (OH) composition?. <i>European Journal of Mineralogy</i> , 2011, 23, 731-743.            | 1.3 | 5         |
| 71 | Cathodoluminescence properties and trace element signature of hydrothermal quartz: A fingerprint of growth dynamics. <i>American Mineralogist</i> , 2011, 96, 802-813.  | 1.9 | 63        |
| 72 | Significance of trace elements in syntaxial quartz cement, Haushi Group sandstones, Sultanate of Oman. <i>Chemical Geology</i> , 2011, 280, 47-57.  | 3.3 | 33        |

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|----|--|-----|-----------|
| 73 | Loss of trace elements from serpentinites during fluid-assisted transformation of chrysotile to antigorite – An example from Guatemala. <i>Chemical Geology</i> , 2011, 284, 351-362.  | 3.3 | 73        |
| 74 | Lead, Nd and Sr isotope records of pelagic dust: Source indication versus the effects of dust extraction procedures and authigenic mineral growth. <i>Chemical Geology</i> , 2011, 286, 240-240.                               | 3.3 | 19        |
| 75 | Gold and copper partitioning in magmatic-hydrothermal systems at 800°C and 100MPa. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2470-2482.   | 3.9 | 74        |
| 76 | Internal and External Fluid Sources for Eclogite-facies Veins in the Monviso Meta-ophiolite, Western Alps: Implications for Fluid Flow in Subduction Zones. <i>Journal of Petrology</i> , 2011, 52, 1207-1236.                 | 2.8 | 209       |
| 77 | Chromium mobility in hydrous fluids at upper mantle conditions. <i>Lithos</i> , 2011, 125, 122-130.  | 1.4 | 41        |
| 78 | Crystal Chemistry and Stability of $\text{Li}_{7-12}\text{La}_{3-2}\text{Zr}_{2}\text{O}_{12}$ Garnet: A Fast Lithium-Ion Conductor. <i>Inorganic Chemistry</i> , 2011, 50, 1089-1097.   | 4.0 | 600       |
| 79 | Fluids in the peridotite–water system up to 6 GPa and 800°C: new experimental constraints on dehydration reactions. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 829-844.                                     | 3.1 | 54        |
| 80 | Crystal-chemistry of mullite-type aluminoborates $\text{Al}_{18}\text{B}_4\text{O}_{33}$ and $\text{Al}_5\text{BO}_9$ : A stoichiometry puzzle. <i>Journal of Solid State Chemistry</i> , 2011, 184, 70-80.                    | 2.9 | 43        |
| 81 | Increasing Nd isotopic ratio of Asian dust indicates progressive uplift of the north Tibetan Plateau since the middle Miocene. <i>Geology</i> , 2011, 39, 199-202.   | 4.4 | 112       |
| 82 | Mantle wedge peridotites: Fossil reservoirs of deep subduction zone processes. <i>Lithos</i> , 2010, 120, 186-201.   | 1.4 | 67        |
| 83 | Brine-rock interaction in the Athabasca basement (McArthur River U deposit, Canada): consequences for fluid chemistry and uranium uptake. <i>Terra Nova</i> , 2010, 22, no-no.   | 2.1 | 32        |
| 84 | Plagioclase Peridotites in Ocean-Continent Transitions: Refertilized Mantle Domains Generated by Melt Stagnation in the Shallow Mantle Lithosphere. <i>Journal of Petrology</i> , 2010, 51, 255-294.                           | 2.8 | 183       |
| 85 | Direct Analysis of Ore-Precipitating Fluids: Combined IR Microscopy and LA-ICP-MS Study of Fluid Inclusions in Opaque Ore Minerals. <i>Economic Geology</i> , 2010, 105, 351-373.  | 3.8 | 81        |
| 86 | Highly Refractory Peridotites on Macquarie Island and the Case for Anciently Depleted Domains in the Earth's Mantle. <i>Journal of Petrology</i> , 2010, 51, 469-493.  | 2.8 | 45        |
| 87 | Magnetic susceptibility as a tool to study deformed calcite with variable impurity content. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .  | 2.5 | 15        |
| 88 | The Bingham Canyon Porphyry Cu-Mo-Au Deposit. III. Zoned Copper-Gold Ore Deposition by Magmatic Vapor Expansion. <i>Economic Geology</i> , 2010, 105, 91-118.  | 3.8 | 187       |
| 89 | The magma and metal source of giant porphyry-type ore deposits, based on lead isotope microanalysis of individual fluid inclusions. <i>Earth and Planetary Science Letters</i> , 2010, 296, 267-277.                           | 4.4 | 172       |
| 90 | Stable isotope profiles (Ca, O, C) through modern brachiopod shells of <i>T. septentrionalis</i> and <i>G. vitreus</i> : Implications for calcium isotope paleo-ocean chemistry. <i>Chemical Geology</i> , 2010, 269, 210-219. | 3.3 | 27        |

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|-----|--|-----|-----------|
| 91  | U–Pb dating of calcite–aragonite layers in speleothems from hominin sites in South Africa by MC-ICP-MS. <i>Quaternary Geochronology</i> , 2010, 5, 544-558.  | 1.4 | 56        |
| 92  | Sediment-Hosted Gold Deposits in Guizhou, China: Products of Wall-Rock Sulfidation by Deep Crustal Fluids. <i>Economic Geology</i> , 2009, 104, 73-93.   | 3.8 | 147       |
| 93  | Evolution of Magmatic Vapor to Gold-Rich Epithermal Liquid: The Porphyry to Epithermal Transition at Nevados de Famatina, Northwest Argentina. <i>Economic Geology</i> , 2009, 104, 449-477.   | 3.8 | 146       |
| 94  | Pyroxenite xenoliths from Marsabit (Northern Kenya): evidence for different magmatic events in the lithospheric mantle and interaction between peridotite and pyroxenite. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 453-472. | 3.1 | 16        |
| 95  | Construction of the granitoid crust of an island arc part I: geochronological and geochemical constraints from the plutonic Kohistan (NW Pakistan). <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 739-755.                       | 3.1 | 167       |
| 96  | A geochemical study of the Sweet Home Mine, Colorado Mineral Belt, USA: hydrothermal fluid evolution above a hypothesized granite cupola. <i>Mineralium Deposita</i> , 2009, 44, 415-434.  | 4.1 | 43        |
| 97  | Platinum solubility and partitioning in a felsic melt–vapor–brine assemblage. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 438-454.  | 3.9 | 37        |
| 98  | Fluid and source magma evolution of the Questa porphyry Mo deposit, New Mexico, USA. <i>Mineralium Deposita</i> , 2008, 43, 533-552.   | 4.1 | 265       |
| 99  | Fluid and Halide Melt Inclusions of Magmatic Origin in the Ultramafic and Lower Banded Series, Stillwater Complex, Montana, USA. <i>Journal of Petrology</i> , 2008, 49, 1133-1160.  | 2.8 | 86        |
| 100 | The partitioning behavior of silver in a vapor–brine–rhyolite melt assemblage. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1638-1659.   | 3.9 | 42        |
| 101 | Determination of fluid/melt partition coefficients by LA-ICPMS analysis of co-existing fluid and silicate melt inclusions: Controls on element partitioning. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2169-2197.                       | 3.9 | 368       |
| 102 | Special Paper: The Composition of Magmatic-Hydrothermal Fluids in Barren and Mineralized Intrusions. <i>Economic Geology</i> , 2008, 103, 877-908.   | 3.8 | 327       |
| 103 | Modification of gas speciation in quartz-hosted fluid inclusions by stray laser radiation during LA-ICPMS analysis. <i>American Mineralogist</i> , 2008, 93, 1187-1190.  | 1.9 | 4         |
| 104 | Majoritic garnets monitor deep subduction fluid flow and mantle dynamics. <i>Geology</i> , 2008, 36, 59.   | 4.4 | 131       |
| 105 | Climatic cycles during a Neoproterozoic ‘‘snowball’’ glacial epoch. <i>Geology</i> , 2007, 35, 299.  | 4.4 | 119       |
| 106 | Entrained Macrocryst Minerals as a Key to the Source Region of Olivine Nephelinites: Humburg, Kaiserstuhl, Germany. <i>Journal of Petrology</i> , 2007, 48, 1079-1118.   | 2.8 | 8         |
| 107 | Petrology and Mineral Chemistry of Lower Crustal Intrusions: the Chilas Complex, Kohistan (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 150  | 2.8 | 150       |
| 108 | Hydrothermal Evolution of the El Teniente Deposit, Chile: Porphyry Cu-Mo Ore Deposition from Low-Salinity Magmatic Fluids. <i>Economic Geology</i> , 2007, 102, 1021-1045.   | 3.8 | 257       |

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|-----|---|-----|-----------|
| 109 | An evaluation of synthetic fluid inclusions for the purpose of trapping equilibrated, coexisting, immiscible fluid phases at magmatic conditions. <i>American Mineralogist</i> , 2007, 92, 124-138.   | 1.9 | 23        |
| 110 | Crystallization and Breakdown of Metasomatic Phases in Graphite-bearing Peridotite Xenoliths from Marsabit (Kenya). <i>Journal of Petrology</i> , 2007, 48, 1725-1760.  | 2.8 | 19        |
| 111 | UNUSUAL FIBROUS SODIAN TAINIOLITE EPITACTIC ON PHLOGOPITE FROM MARBLE XENOLITHS OF MONT SAINT-HILAIRE, QUEBEC, CANADA. <i>Canadian Mineralogist</i> , 2007, 45, 541-549.  | 1.0 | 5         |
| 112 | Compositional and mineralogical variations in a Neoproterozoic glacially influenced succession, Mirbat area, south Oman: Implications for paleoweathering conditions. <i>Precambrian Research</i> , 2007, 154, 248-265.                         | 2.7 | 56        |
| 113 | Cenozoic changes in atmospheric lead recorded in central Pacific ferromanganese crusts. <i>Earth and Planetary Science Letters</i> , 2007, 253, 57-66.  | 4.4 | 29        |
| 114 | Chemical and physical processes affecting element mobility from the slab to the surface. <i>Chemical Geology</i> , 2007, 239, 179-181.  | 3.3 | 0         |
| 115 | The partitioning behavior of As and Au in S-free and S-bearing magmatic assemblages. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1764-1782.  | 3.9 | 89        |
| 116 | The composition of liquids coexisting with dense hydrous magnesium silicates at 11–13.5 GPa and the endpoints of the solidi in the MgO–SiO <sub>2</sub> –H <sub>2</sub> O system. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3348-3360. | 3.9 | 35        |
| 117 | Evolution of Mafic Alkaline Melts Crystallized in the Uppermost Lithospheric Mantle: a Melt Inclusion Study of Olivine-Clinopyroxenite Xenoliths, Northern Hungary. <i>Journal of Petrology</i> , 2007, 48, 853-883.                            | 2.8 | 32        |
| 118 | Crystallographic texture and microstructure of terebratulide brachiopod shell calcite: An optimized materials design with hierarchical architecture. <i>American Mineralogist</i> , 2007, 92, 722-734.  | 1.9 | 92        |
| 119 | Laser Ablation ICPMS study of trace element partitioning between plagioclase and basaltic melts: an experimental approach. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 647-667.   | 3.1 | 218       |
| 120 | Gem-quality taaffeites and musgravites from Africa. <i>Journal of Gemmology</i> , 2007, 30, 367-382.  | 0.2 | 4         |
| 121 | Copper partitioning in a melt–vapor–brine–magnetite–pyrrhotite assemblage. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5583-5600.  | 3.9 | 146       |
| 122 | Magmatic Fluids in the Breccia-Hosted Epithermal Au-Ag Deposit of Rosia Montana, Romania. <i>Economic Geology</i> , 2006, 101, 923-954.   | 3.8 | 63        |
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