

- BIRCH, W.D., CLEMENS, J.D. & PHILLIPS, G.N. 1977. *Devonian acid igneous complexes in central Victoria*. National Museum of Victoria, Melbourne.
- CLEMENS, J.D. & WALL, V.J. 1981. Origin and crystallization of some peraluminous (S-type) granitic magmas. *Canadian Mineralogist*, **19**, 111-131.
- PHILLIPS, G.N., WALL, V.J. & CLEMENS, J.D. 1981. Petrology of the Strathbogie batholith: a cordierite-bearing granite. *Canadian Mineralogist*, **19**, 47-64.
- CLEMENS, J.D. & MCMILLAN, P.F. 1982. A discussion of "Biotite melting in high-grade metamorphic gneisses from the Haut Allier (french Massif Central)" by Nédélec and Paquet. *Contributions to Mineralogy and Petrology*, **79**, 436-438.
- CLEMENS, J.D. & WALL, V.J. 1982. The role of manganese in the paragenesis of magmatic garnet: a discussion arising from a paper by C.F. Miller and E.F. Stoddard. *Journal of Geology*, **90**, 339-341.
- HOLLOWAY, J.R., JENKINS, D.M. & CLEMENS, J.D. 1982. Experimental evidence for the effect of basalt on radionuclide levels in hot groundwater. In: *Waste Management '82*, University of Arizona Press, Tucson, 369-379.
- BOHLEN, S.R., BOETTCHER, A.L., WALL, V.J. & CLEMENS, J.D. 1983. Stability of phlogopite-quartz and sanidine-quartz: a model for melting in the lower crust. *Contributions to Mineralogy and Petrology*, **83**, 270-277.
- CLEMENS, J.D. 1984. Water contents of intermediate to silicic magmas. *Lithos*, **17**, 273-287.
- CLEMENS, J.D. 1984. Generation of fluorine-bearing fluids in hydrothermal experiments. *Geochimica et Cosmochimica Acta*, **48**, 2393-2595.
- CLEMENS, J.D. & WALL, V.J. 1984. Origin and evolution of a peraluminous silicic ignimbrite suite: the Violet Town Volcanics. *Contributions to Mineralogy and Petrology*, **88**, 354-371.
- CLEMENS, J.D., HOLLOWAY, J.R. & WHITE, A.J.R. 1986. Origin of an A-type granite: experimental constraints. *American Mineralogist*, **71**, 317-324.
- WHITE, A.J.R., CLEMENS, J.D., HOLLOWAY, J.R., SILVER, L.T., CHAPPELL, B.W. & WALL, V.J. 1986. S-type granites and their probable absence in south-western North America. *Geology*, **14**, 115-118.
- WHITE, A.J.R., CLEMENS, J.D., HOLLOWAY, J.R., SILVER, L.T., CHAPPELL, B.W. & WALL, V.J. 1986. Comment and reply on "S-type granites and their probable absence in south-western North America". *Geology*, **14**, 805-806.
- WHITE, A.J.R., CLEMENS, J.D., HOLLOWAY, J.R., SILVER, L.T., CHAPPELL, B.W. & WALL, V.J. 1986. Comment and reply on "S-type granites and their probable absence in south-western North America". *Geology*, **14**, 895.
- CLEMENS, J.D., CIRCONE, S., NAVROTSKY, A., MCMILLAN, P.F., SMITH, B.K. & WALL, V.J. 1987. Phlogopite – high-temperature solution calorimetry, thermodynamic properties, Al-Si and stacking disorder, and phase equilibria. *Geochimica et Cosmochimica Acta*, **51**(9), 2569-2578.
- CLEMENS, J.D. & MCKIBBEN, M.A. 1987. Teflon as a hydrogen diffusion membrane: applications in hydrothermal experiments. In: *Hydrothermal Experimental Techniques* (eds Ulmer, G.C. & Barnes, H.L.), John Wiley & Sons, Inc., New York, 121-140.

- CLEMENS, J.D. & NAVROTSKY, A. 1987. Mixing Properties of NaAlSi₃O₈ melt – H₂O: new calorimetric data and some geological implications. *Journal of Geology*, **95**, 173-186.
- CLEMENS, J.D. & VIELZEUF, D. 1987. Constraints on melting and magma production in the crust. *Earth and Planetary Science Letters*, **86**, 287-306.
- WALL, V.J., CLEMENS, J.D. & CLARKE, D.B. 1987. Models for granitoid evolution and source compositions. *Journal of Geology*, **95**, 731-750.
- CLEMENS, J.D. 1988. Volume and Composition Relationships Between Granites and their Lower Crustal Source Regions - an Example from Central Victoria, Australia. *Australian Journal of Earth Sciences*, **35**(4), 445-449.
- CLEMENS, J.D. & WALL, V.J. 1988. Controls on the mineralogy of S-type volcanic and plutonic rocks. *Lithos*, **21**, 53-66.
- CLEMENS, J.D. 1989. The importance of residual source material (restite) in granite petrogenesis: a comment. *Journal of Petrology*, **30**, 1313-1316.
- CLEMENS, J.D. 1989. Granulites are still forming. *Nature (News and Views)*, **342**, 228-229.
- CLEMENS, J.D. 1990. The granulite – granite connexion. In: Granulites and Crustal Differentiation (eds Vielzeuf, D. & Vidal, P.) NATO ASI Series, Kluwer Academic Publishers, Dordrecht, 25-36.
- PIN, C., BINON, M., BELIN, J.M., BARBARIN, B. & CLEMENS, J.D. 1990. Origin of microgranular enclaves in granitoids: equivocal Sr-Nd isotope evidence from Hercynian rocks in the Massif Central (France). *Journal of Geophysical Research-Solid Earth*, **95**, 17821-17828.
- VIELZEUF, D., CLEMENS, J.D., PIN, C. & MOINET, E. 1990. Granites, granulites and crustal differentiation. In: Granulites and Crustal Differentiation (eds Vielzeuf, D. & Vidal, P.) NATO ASI Series, Kluwer Academic Publishers, Dordrecht, 59-86.
- CLEMENS, J.D. 1992. Partial melting and granulite genesis: a partisan overview. *Precambrian Research*, **55**, 297-301.
- CLEMENS, J.D. & MAWER, C.K. 1992. Granitic magma transport by fracture propagation. *Tectonophysics*, **204**, 339-360.
- VIELZEUF, D. & CLEMENS, J.D. 1992. Fluid-absent melting of phlogopite + quartz: experiments and models. *American Mineralogist*, **77**, 1206-1222.
- CLEMENS, J.D. 1993. Experimental evidence against CO₂-promoted deep crustal melting. *Nature*, **363**, 336-338.
- ROBERTS, M.P. & CLEMENS, J.D. 1993. Origin of high-potassium, calc-alkaline, I-type granitoids. *Geology*, **21**, 825-828.
- STEVENS, G. & CLEMENS, J.D. 1993. Fluid-absent melting and the roles of fluids in the lithosphere: a slanted summary? *Chemical Geology*, **108**, 1-17.
- CLEMENS, J.D. 1995. Phlogopite stability in the silica-saturated portion of the system KAlO₂-MgO-SiO₂-H₂O: new data and a reappraisal of phase relations to 1.5 GPa. *American Mineralogist*, **80**, 982-997.
- FINGER, F. & CLEMENS, J.D. 1995. Migmatization and "secondary" granitic magmas: effects of emplacement of "primary" granitoids in Southern Bohemia, Austria. *Contributions to Mineralogy and Petrology*, **120**, 311-326.

- ROBERTS, M.P. & CLEMENS, J.D. 1995. Feasibility of AFC models for the petrogenesis of calc-alkaline magma series. *Contributions to Mineralogy and Petrology*, **121**, 139-147.
- STEVENS, G., CLEMENS, J.D. & DROOP, G.T.R. 1995. Hydrous cordierite in granulites: experiments and crustal magmatism. *Geology*, **23**, 925-928.
- FLINDERS, J. & CLEMENS, J.D. 1996. Non-linear dynamics, chaos, complexity and enclaves in granitoid magmas. *Transactions of the Royal Society of Edinburgh- Earth Sciences*, **87**, 217-223.
- CLEMENS, J.D., DROOP, G.T.R. & STEVENS, G. 1997. High-grade metamorphism, dehydration and crustal melting: a reinvestigation based on new experiments in the silica-saturated portion of the system $\text{KAlO}_2\text{-MgO-SiO}_2\text{-H}_2\text{O-CO}_2$ at $P \leq 1.5$ GPa. *Contributions to Mineralogy and Petrology*, **129**, 308-325.
- CLEMENS, J.D., PETFORD, N. & MAWER, C.K. 1997. Ascent mechanisms of granitic magmas: causes and consequences. In: Deformation-enhanced Fluid Transport in the Earth's Crust and Mantle (ed Holness, M.), Chapman & Hall, London, 144-171.
- MAWER, C.K., CLEMENS, J.D., PETFORD, N., WARREN, R.G. & ELLIS, D.J. 1997. Mantle underplating, granite tectonics, and metamorphic P-T-tpaths: Comment and Reply. *Geology*, **25**(8), 763, 10.1130/0091-7613(1997)025<0763:mugtam>2.3.co;2.
- PETFORD, N., CLEMENS, J.D. & VIGNERESSE, J.-L. 1997. Application of information theory to the formation of granitic rocks. In: Granite: From Segregation of Melt to Emplacement Fabrics (ed Bouchez, J.-L.), Kluwer Academic Publishers, Dordrecht, 3-10.
- ROBERTS, M.P. & CLEMENS, J.D. 1997. Correction to Roberts and Clemens (1995) "Feasibility of AFC models for the petrogenesis of calc-alkaline magma series". *Contributions to Mineralogy and Petrology*, **128**, 97-99.
- STEVENS, G., CLEMENS, J.D. & DROOP, G.T.R. 1997. Melt production during granulite-facies anatexis: experimental data from "primitive" metasedimentary protoliths. *Contributions to Mineralogy and Petrology*, **128**, 352-370.
- CLEMENS, J.D. 1998. Observations on the origins and ascent mechanisms of granitic magmas. *Journal of the Geological Society of London*, **155**, 843-851.
- CLEMENS, J.D. 1998. Granitic magma dynamics. *Journal of the Geological Society of London*, **155**, 841.
- CLEMENS, J.D. & DROOP, G.T.R. 1998. Fluids, P-T paths and the fates of anatectic melts in the Earth's crust. *Lithos*, **44**, 21-36.
- CLEMENS, J.D. & PETFORD, N. 1999. Granitic melt viscosity and silicic magma dynamics in contrasting tectonic settings. *Journal of the Geological Society of London*, **156**, 1057-1060.
- GRAPHCHIKOV, A.A., KONILOV, A.N. & CLEMENS, J.D. 1999. Biotite dehydration, partial melting, and fluid composition: Experiments in the system $\text{KAlO}_2\text{-FeO-MgO-SiO}_2\text{-H}_2\text{O-CO}_2$. *American Mineralogist*, **84**, 15-26.
- HOLNESS, M.B. & CLEMENS, J.D. 1999. Partial melting of the Appin Quartzite driven by fracture- controlled H₂O infiltration in the aureole of the Ballachulish Igneous Complex, Scottish Highlands. *Contributions to Mineralogy and Petrology*, **136**(1-2), 154-168.

- CLEMENS, J.D. & HOLNESS, M.B. 2000. Textural evolution and partial melting of arkose in a contact aureole: a case study and implications. *Electronic Geosciences (now Visual Geosciences)*, **5**, No 4.
- PETFORD, N. & CLEMENS, J.D. 2000. Granites are not diapiric! *Geol. Today*, **September-October**, 180-184.
- ROBERTS, M.P., PIN, C., CLEMENS, J.D. & PACQUETTE, J.L. 2000. Petrogenesis of mafic to felsic plutonic rock associations: the Calc-alkaline Querigut Complex, French Pyrenees. *Journal of Petrology*, **41**, 809-844.
- VIGNERESSE, J.L. & CLEMENS, J.D. 2000. Granitic magma ascent and emplacement: neither diapirism nor neutral buoyancy. *Geological Society, London, Special Publications*, **174**(1), 1-19, 10.1144/gsl.sp.1999.174.01.01.
- CLEMENS, J.D. & WATKINS, J.M. 2001. The fluid regime of high-temperature metamorphism during granitoid magma genesis. *Contributions to Mineralogy and Petrology*, **140**, 600-606, doi: 10.1007/s004100000205.
- FINGER, F. & CLEMENS, J.D. 2002. Cadomian lower-crustal contributions to Variscan granite petrogenesis (South Bohemian Batholith, Austria): a comment. *Journal of Petrology*, **43**, 1179-1181.
- CLEMENS, J. 2003. S-type granitic magmas—petrogenetic issues, models and evidence. *Earth-Science Reviews*, **61**(1-2), 1-18, 10.1016/s0012-8252(02)00107-1.
- DROOP, G.T.R., CLEMENS, J.D. & DALRYMPLE, D.J. 2003. Processes and conditions during contact anatexis, melt escape and restite formation: the Huntly gabbro complex, NE Scotland. *Journal of Petrology*, **44**, 1-35.
- BROWN, M., PITCHER, W.S., VERNON, R.H. & CLEMENS, J.D. 2005. Invited comments on Clemens's 'Granites and granitic magmas'. *Proceedings of the Geologists' Association*, **116**, 17-32.
- CLEMENS, J.D. 2005. Granites and granitic magmas: strange phenomena and new perspectives on some old problems. *Proceedings of the Geologists' Association*, **116**, 9-16.
- KOVALENKO, A., CLEMENS, J. & SAVATENKOV, V. 2005. Petrogenetic constraints for the genesis of Archaean sanukitoid suites: geochemistry and isotopic evidence from Karelia, Baltic Shield. *Lithos*, **79**(1-2), 147-160, 10.1016/j.lithos.2004.05.006.
- CLEMENS, J.D. 2006. Melting of the continental crust: fluid regimes, melting reactions and source-rock fertility. In: *Evolution and Differentiation of the Continental Crust* (eds Brown, M. & Rushmer, T.), Cambridge University Press, 297-331.
- CLEMENS, J.D., YEARRON, L.M. & STEVENS, G. 2006. Barberton (South Africa) TTG magmas: Geochemical and experimental constraints on source-rock petrology, pressure of formation and tectonic setting. *Precambrian Research*, **151**, 53-78, DOI: 10.1016/j.precamres.2006.08.001.
- WATKINS, J.M., CLEMENS, J.D. & TRELOAR, P.J. 2007. Archaean TTGs as sources of younger granitic magmas: melting of sodic metatonalites at 0.6–1.2 GPa. *Contributions to Mineralogy and Petrology*, **154**(1), 91-110, 10.1007/s00410-007-0181-0.

- XIAO, L. & CLEMENS, J.D. 2007. Origin of potassic (C-type) adakite magmas: experimental and field constraints. *Lithos*, **95**, 399-414, doi:10.1016/j.lithos.2006.09.002.
- XIAO, L., ZHANG, H.F., CLEMENS, J.D., WANG, Q.W., KAN, Z.Z., WANG, K.M., NI, P.Z. & LIU, X.M. 2007. Late Triassic granitoids of the eastern margin of the Tibetan Plateau: Geochronology, petrogenesis and implications for tectonic evolution. *Lithos*, **96**(3-4), 436-452, doi: 10.1016/j.lithos.2006.11.011.
- ABLAY, G.J., CLEMENS, J.D. & PETFORD, N. 2008. Large-scale mechanics of fracture-mediated felsic magma intrusion driven by hydraulic inflation and buoyancy pumping. *Geological Society, London, Special Publications*, **302**(1), 3-29, 10.1144/sp302.2.
- CLEMENS, J.D. 2009. The message in the bottle: "Melt" inclusions in migmatitic garnets. *Geology*, **37**(7), 671-672, doi: 10.1130/focus072009.1.
- CLEMENS, J.D., DARBYSHIRE, D.P.F. & FLINDERS, J. 2009. Sources of post-orogenic calcalkaline magmas: The Arrochar and Garabal Hill–Glen Fyne complexes, Scotland. *Lithos*, **112**(3-4), 524-542, doi: 10.1016/j.lithos.2009.03.026.
- CLEMENS, J.D., BELCHER, R.W. & KISTERS, A.F.M. 2010. The Heerenveen Batholith, Barberton Mountain Land, South Africa: Mesoarchean, potassic, felsic magmas formed by melting of an ancient subduction complex. *Journal of Petrology*, **51**(5), 1099-1120, doi: 10.1093/petrology/egq014.
- CLEMENS, J.D. & BENN, K. 2010. Anatomy, emplacement and evolution of a shallow-level, post-tectonic laccolith: the Mt Disappointment pluton, SE Australia. *Journal of the Geological Society*, **167**(5), 915-941, doi: 10.1144/0016-76492009-120.
- CLEMENS, J.D., HELPS, P.A. & STEVENS, G. 2010. Chemical structure in granitic magmas – a signal from the source? *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, **100**(1-2), 159-172, doi: 10.1017/s1755691009016053.
- CLEMENS, J.D., HELPS, P.A. & STEVENS, G. 2010. Chemical structure in granitic magmas – a signal from the source? *Geological Society of America Special Paper*, **472**, 159-172, doi: 10.1130/2010.2472(11).
- CLEMENS, J.D., BIRCH, W.D. & DUDLEY, R.J. 2011. S-type ignimbrites with polybaric crystallisation histories: the Tolmie Igneous Complex, Central Victoria, Australia (and erratum). *Contributions to Mineralogy and Petrology*, **162**(6), 1315-1337 and 1339, DOI: 10.1007/s00410-011-0652-1 and 10.1007/s00410-011-0666-8.
- CLEMENS, J.D., STEVENS, G. & FARINA, F. 2011. The enigmatic sources of I-type granites and the clinopyroxene-ilmenite connexion. *Lithos*, **126**, 174-181, doi: 10.1016/j.lithos.2011.07.004.
- COLDWELL, B., CLEMENS, J. & PETFORD, N. 2011. Deep crustal melting in the Peruvian Andes: Felsic magma generation during delamination and uplift. *Lithos*, **125**, 272-286, doi: 10.1016/j.lithos.2011.02.011.
- CLEMENS, J.D. 2012. Granitic magmatism, from source to emplacement: a personal view. *Applied Earth Science*, **121**(3), 107-136, DOI: 10.1179/1743275813Y.0000000023.

- CLEMENS, J.D. & BEA, F. 2012. *Granite Petrogenesis*. The Mineralogical Society of Great Britain & Ireland, Bristol.
- CLEMENS, J.D. & BIRCH, W.D. 2012. Assembly of a zoned volcanic magma chamber from multiple magma batches: The Cerberean Cauldron, Marysville Igneous Complex, Australia. *Lithos*, **155**, 272-288, DOI: 10.1016/j.lithos.2012.09.007.
- CLEMENS, J.D. & FINGER, F. 2012. Formation of high $\delta^{18}\text{O}$ fayalite-bearing A-type granite by high-temperature melting of granulitic metasedimentary rocks, southern China: COMMENT. *Geology*, **40**, e277, doi:10.1130/G33175C.
- CLEMENS, J.D. & STEVENS, G. 2012. What Controls Chemical Variation in Granitic Magmas? *Lithos*, **134-135**, 317-329, DOI: 10.1016/j.lithos.2012.01.001.
- PETFORD, N. & CLEMENS, J.D. 2012. Online comment on: Sombrero Uplift Above the Altiplano-Puna Magma Body: Evidence of a Ballooning Mid-Crustal Diapir by Yuri Fialko and Jill Pearse. In: *Science*.
- CLEMENS, J.D. & ELBURG, M.A. 2013. Comment — Origin of enclaves in S-type granites of the Lachlan Fold Belt. *Lithos*, **175-176**, 351-352, doi: 10.1016/j.lithos.2013.02.022.
- PHILLIPS, G.N. & CLEMENS, J.D. 2013. Strathbogie batholith: field-based subdivision of a large granitic intrusion. *Applied Earth Science*, **122**(1), 36-55, doi: 10.1179/1743275813Y.0000000030.
- CLEMENS, J.D. 2014. Element concentrations in granitic magmas: ghosts of textures past? *Journal of the Geological Society of London*, **171**, 13-19, doi: 10.1144/jgs2013-008.
- CLEMENS, J.D. & BEZUIDENHOUT, A. 2014. Origins of co-existing diverse magmas in a felsic intrusion: the Lysterfield Granodiorite, Australia. *Contributions to Mineralogy and Petrology*, **167**(3), 197-212, doi: 10.1007/s00410-014-0991-9.
- CLEMENS, J.D., FREI, D. & FINGER, F. 2014. A new precise date for the Tolmie Igneous Complex in Northeastern Victoria. *Australian Journal of Earth Sciences*, **61**, 151-158, doi: 10.1080/08120099.2014.955058.
- CLEMENS, J.D. & PHILLIPS, G.N. 2014. Inferring a deep crustal source terrane from a high-level granitic pluton: the Strathbogie batholith, Australia. *Contributions to Mineralogy and Petrology*, **168**(5), 1070, DOI: 10.1007/s00410-014-1070-y.
- CLEMENS, J.D. 2015. Forum comment: Magmatic life at low Reynolds number. *Geology*, **43**, E357-E357, doi: 10.1130/G36512C.1.
- CLEMENS, J.D. & STEVENS, G. 2015. Comment on 'Water-fluxed melting of the continental crust: A review' by R. F. Weinberg and P. Hasalová. *Lithos*, **234**, 100-101, doi: 10.1016/j.lithos.2015.06.032.
- CLEMENS, J.D., BUICK, I.S. & KISTERS, A.F.M. 2016. The Donkerhuk batholith, Namibia: A giant S-type granite emplaced in the mid crust, in a fore-arc setting. *Journal of the Geological Society of London*, doi: 10.1144/jgs2016-028.
- CLEMENS, J.D., BUICK, I.S. & STEVENS, G. 2016. Fluids, Melting, Granulites and Granites: A Commentary. *Precambrian Research*, **278**, 400-404, doi: 10.1016/j.precamres.2016.01.001.

- CLEMENS, J.D. & ELBURG, M.A. 2016. Possible spatial variability in the Selwyn Block of Central Victoria: evidence from Late Devonian felsic igneous rocks. *Australian Journal of Earth Sciences*, **63**(2), 187-192, doi: 10.1080/08120099.2016.1158736.
- CLEMENS, J.D., MAAS, R., WAIGHT, T.E. & KUNNEKE, L.K. 2016. Genesis of felsic plutonic magmas and their igneous enclaves: the Cobaw batholith of SE Australia. *Journal of Geology*, **124**(3), 293-311, doi: 10.1086/685509.
- CLEMENS, J.D., REGMI, K., NICHOLLS, I.A., WEINBERG, R. & MAAS, R. 2016. The Tynong pluton, its mafic synplutonic sheets and igneous microgranular enclaves: the nature of the mantle connection in I-type granitic magmas. *Contributions to Mineralogy and Petrology*, **171**(4), 1-17, doi: 10.1007/s00410-016-1251-y.
- CLEMENS, J.D. & STEVENS, G. 2016. The Saldanha Bay Caldera Complex: clarifying the Cambrian geology of the Postberg – Saldanha area of the West Coast, South Africa. *South African Journal of Geology*, **119**(2), 347-358, doi: 10.2113/gssajg.119.2.347.
- CLEMENS, J.D. & STEVENS, G. 2016. Melt segregation and magma interactions during crustal melting: Breaking out of the matrix. *Earth Science Reviews*, **160**, 333-349, doi: 10.1016/j.earscirev.2016.07.012.
- CLEMENS, J.D., STEVENS, G. & ELBURG, M.A. 2016. Petrogenetic processes in granitic magmas and their igneous microgranular enclaves from Central Victoria, Australia: match or mismatch? *Transactions of the Royal Society of South Africa*, doi: 10.1080/0035919X.2016.1209702.