

David A Clark

List of Publications by Year in descending order

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times ranked

845
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multiple-Order Magnetic Gradient Tensors for Localization of a Magnetic Dipole. IEEE Magnetics Letters, 2017, 8, 1-5. | 1.1 | 137 |
| 2 | GETMAG – a SQUID Magnetic Tensor Gradiometer for Mineral and Oil Exploration. Exploration Geophysics, 2004, 35, 297-305. | 1.1 | 112 |
| 3 | Magnetic petrology of igneous intrusions: implications for exploration and magnetic interpretation. Exploration Geophysics, 1999, 30, 5-26. | 1.1 | 104 |
| 4 | Estimating source location using normalized magnetic source strength calculated from magnetic gradient tensor data. Geophysics, 2012, 77, J23-J37. | 2.6 | 94 |
| 5 | Methods for determining remanent and total magnetisations of magnetic sources – a review. Exploration Geophysics, 2014, 45, 271-304. | 1.1 | 85 |
| 6 | New methods for interpretation of magnetic vector and gradient tensor data I: eigenvector analysis and the normalised source strength. Exploration Geophysics, 2012, 43, 267-282. | 1.1 | 82 |
| 7 | Magnetic effects of hydrothermal alteration in porphyry copper and iron-oxide copper-gold systems: A review. Tectonophysics, 2014, 624-625, 46-65. | 2.2 | 48 |
| 8 | The calculation of magnetic components and moments from TMI: A case study from the Tuckers igneous complex, Queensland. Exploration Geophysics, 1998, 29, 609-614. | 1.1 | 47 |
| 9 | Systematic error analysis of demagnetization and implications for magnetic interpretation. Geophysics, 2001, 66, 562-570. | 2.6 | 32 |
| 10 | Remote determination of magnetic properties and improved drill targeting of magnetic anomaly sources by Differential Vector Magnetometry (DVM). Exploration Geophysics, 1998, 29, 312-319. | 1.1 | 25 |
| 11 | Magnetic properties and potential field modeling of the Peculiar Knob metamorphosed iron formation, South Australia: An analog for the source of the intense Martian magnetic anomalies?. Journal of Geophysical Research, 2007, 112, . | 3.3 | 25 |
| 12 | New methods for interpretation of magnetic vector and gradient tensor data II: application to the Mount Leyshon anomaly, Queensland, Australia. Exploration Geophysics, 2013, 44, 114-127. | 1.1 | 24 |
| 13 | Mapping and Interpretation of the Lithospheric Magnetic Field. , 2011, , 311-337. | | 16 |
| 14 | Remanence, self-demagnetization and their ramifications for magnetic modelling of iron oxide copper-gold deposits: An example from Candelaria, Chile. Journal of Applied Geophysics, 2014, 109, 242-255. | 2.1 | 15 |
| 15 | New Methods for Interpretation of Magnetic Gradient Tensor Data. ASEG Extended Abstracts, 2012, 2012, 1-11. | 0.1 | 14 |
| 16 | Return to Black Mountain: palaeomagnetic reassessment of the Chatsworth and Ninmaroo formations, western Queensland, Australia. Geophysical Journal International, 2004, 157, 87-104. | 2.4 | 12 |
| 17 | Paleomagnetism of the Newcastle Range, northern Queensland: Eastern Gondwana in the Late Paleozoic. Journal of Geophysical Research, 2003, 108, . | 3.3 | 10 |
| 18 | Helicopter trial of magnetic tensor gradiometer. ASEG Extended Abstracts, 2007, 2007, 1-4. | 0.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Palaeomagnetic results from the Palaeozoic basement of the southern Drummond Basin, central Queensland, Australia. <i>Geophysical Journal International</i> , 2004, 159, 473-485. | 2.4 | 9 |
| 20 | Magnetic Properties and Magnetic Signatures of BIFS of the Hamersley Basin and Yilgarn Block, Western Australia. <i>Exploration Geophysics</i> , 1994, 25, 169-169. | 1.1 | 8 |
| 21 | Petrophysical Properties of the Goonumbla Volcanic Complex, NSW: Implications for Magnetic and Gravity Signatures of Porphyry Cu-Au Mineralisation. <i>Exploration Geophysics</i> , 2001, 32, 171-175. | 1.1 | 6 |
| 22 | <i>Corrigendum to:</i>New methods for interpretation of magnetic vector and gradient tensor data I: eigenvector analysis and the normalised source strength. <i>Exploration Geophysics</i> , 2014, 45, 267-282. | 1.1 | 6 |
| 23 | Interpretation of magnetic and gravity gradient tensor data using normalized source strength â€“ A case study from McFaulds Lake, Northern Ontario, Canada. <i>Geophysical Prospecting</i> , 2014, 62, 1180-1192. | 1.9 | 5 |
| 24 | Palaeomagnetism, Magnetic Petrophysics and Magnetic Signature of the Porgera Intrusive Complex, Papua New Guinea. <i>Exploration Geophysics</i> , 1997, 28, 276-280. | 1.1 | 4 |
| 25 | Signal Processing Techniques for Improved Performance of a SQUID-Based Metal-Detector. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 812-815. | 1.7 | 4 |
| 26 | Magnetic Dipole Moment Determination Using Near-Field Magnetic Gradient Tensor Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1169-1173. | 3.1 | 4 |
| 27 | Accuracy Evaluation of Calibrating Magnetic Tensor Gradiometers From Total-Field Gradient Measurements in Aeromagnetic Survey. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-15. | 4.7 | 4 |
| 28 | Method for full magnetic gradient tensor detection from a single HTS gradiometer. <i>Superconductor Science and Technology</i> , 2022, 35, 045005. | 3.5 | 4 |
| 29 | Interpretation of the magnetic gradient tensor and normalized source strength applied to the Tallawang magnetite skarn deposit, New South Wales, Australia. , 2012, , . | | 3 |
| 30 | Determination of the Direction of Magnetization and Orientation of a Tilted Sheet From Downhole Magnetic Gradient Tensor Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 2084-2095. | 6.3 | 3 |
| 31 | Normalized source strength and it application to estimate magnetic source location in the presence of remanent magnetization. , 2012, , . | | 1 |
| 32 | Borehole measurements within highly magnetic bodies -corrections of measured magnetic fields and gradients. <i>ASEG Extended Abstracts</i> , 2018, 2018, 1-8. | 0.1 | 1 |
| 33 | Don Emersonâ€™s best of <i>Exploration Geophysics</i> . <i>Preview</i> , 2020, 2020, 43-68. | 0.1 | 1 |
| 34 | Response of a permeable ellipsoid to an imposed magnetic gradient â€“ implications for borehole measurements of the magnetic gradient tensor inside magnetic bodies. <i>ASEG Extended Abstracts</i> , 2019, 2019, 1-6. | 0.1 | 0 |
| 35 | Constraining structural dip and magnetization direction of a sheet from its static and dynamic magnetic anomalies. <i>ASEG Extended Abstracts</i> , 2019, 2019, 1-5. | 0.1 | 0 |
| 36 | Preview Issue 205. <i>Preview</i> , 2020, 2020, (i)-(i). | 0.1 | 0 |