

David A Clark

List of Publications by Year in descending order

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36
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36
times ranked

845
citing authors

#	ARTICLE	IF	CITATIONS
1	Method for full magnetic gradient tensor detection from a single HTS gradiometer. Superconductor Science and Technology, 2022, 35, 045005.	3.5	4
2	Magnetic Dipole Moment Determination Using Near-Field Magnetic Gradient Tensor Data. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1169-1173.	3.1	4
3	Accuracy Evaluation of Calibrating Magnetic Tensor Gradiometers From Total-Field Gradient Measurements in Aeromagnetic Survey. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	4
4	Don Emerson™s best of Exploration Geophysics. Preview, 2020, 2020, 43-68.	0.1	1
5	Preview Issue 205. Preview, 2020, 2020, (i)-(i).	0.1	0
6	Determination of the Direction of Magnetization and Orientation of a Tilted Sheet From Downhole Magnetic Gradient Tensor Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2084-2095.	6.3	3
7	Response of a permeable ellipsoid to an imposed magnetic gradient – implications for borehole measurements of the magnetic gradient tensor inside magnetic bodies. ASEG Extended Abstracts, 2019, 2019, 1-6.	0.1	0
8	Constraining structural dip and magnetization direction of a sheet from its static and dynamic magnetic anomalies. ASEG Extended Abstracts, 2019, 2019, 1-5.	0.1	0
9	Borehole measurements within highly magnetic bodies -corrections of measured magnetic fields and gradients. ASEG Extended Abstracts, 2018, 2018, 1-8.	0.1	1
10	Multiple-Order Magnetic Gradient Tensors for Localization of a Magnetic Dipole. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	137
11	<i>Corrigendum to:</i>New methods for interpretation of magnetic vector and gradient tensor data I: eigenvector analysis and the normalised source strength. Exploration Geophysics, 2014, 45, 267-282.	1.1	6
12	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
13	Interpretation of magnetic and gravity gradient tensor data using normalized source strength – A case study from McFaulds Lake, Northern Ontario, Canada. Geophysical Prospecting, 2014, 62, 1180-1192.	1.9	5
14	Methods for determining remanent and total magnetisations of magnetic sources – a review. Exploration Geophysics, 2014, 45, 271-304.	1.1	85
15	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
16	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
17	New Methods for Interpretation of Magnetic Gradient Tensor Data. ASEG Extended Abstracts, 2012, 2012, 1-11.	0.1	14
18	Normalized source strength and its application to estimate magnetic source location in the presence of remanent magnetization. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Interpretation of the magnetic gradient tensor and normalized source strength applied to the Tallawang magnetite skarn deposit, New South Wales, Australia. , 2012, , .		3
20	Estimating source location using normalized magnetic source strength calculated from magnetic gradient tensor data. Geophysics, 2012, 77, J23-J37.	2.6	94
21	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
22	Mapping and Interpretation of the Lithospheric Magnetic Field. , 2011, , 311-337.		16
23	Signal Processing Techniques for Improved Performance of a SQUID-Based Metal-Detector. IEEE Transactions on Applied Superconductivity, 2009, 19, 812-815.	1.7	4
24	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
25	Helicopter trial of magnetic tensor gradiometer. ASEG Extended Abstracts, 2007, 2007, 1-4.	0.1	10
26	GETMAG â€“ a SQUID Magnetic Tensor Gradiometer for Mineral and Oil Exploration. Exploration Geophysics, 2004, 35, 297-305.	1.1	112
27	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
28	Palaeomagnetic results from the Palaeozoic basement of the southern Drummond Basin, central Queensland, Australia. Geophysical Journal International, 2004, 159, 473-485.	2.4	9
29	Paleomagnetism of the Newcastle Range, northern Queensland: Eastern Gondwana in the Late Paleozoic. Journal of Geophysical Research, 2003, 108, .	3.3	10
30	Systematic error analysis of demagnetization and implications for magnetic interpretation. Geophysics, 2001, 66, 562-570.	2.6	32
31	Petrophysical Properties of the Goonumbla Volcanic Complex, NSW: Implications for Magnetic and Gravity Signatures of Porphyry Cu-Au Mineralisation. Exploration Geophysics, 2001, 32, 171-175.	1.1	6
32	Magnetic petrology of igneous intrusions: implications for exploration and magnetic interpretation. Exploration Geophysics, 1999, 30, 5-26.	1.1	104
33	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
34	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
35	Palaeomagnetism, Magnetic Petrophysics and Magnetic Signature of the Porgera Intrusive Complex, Papua New Guinea. Exploration Geophysics, 1997, 28, 276-280.	1.1	4
36	Magnetic Properties and Magnetic Signatures of BIFS of the Hamersley Basin and Yilgarn Block, Western Australia. Exploration Geophysics, 1994, 25, 169-169.	1.1	8