

Paul Wilkinson

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,740
citations

516710

16
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

1445
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in the direct-current geoelectrical imaging method. <i>Journal of Applied Geophysics</i> , 2013, 95, 135-156.	2.1	681
2	Geophysical Monitoring of Moisture-Induced Landslides: A Review. <i>Reviews of Geophysics</i> , 2019, 57, 106-145.	23.0	154
3	Three-dimensional geophysical anatomy of an active landslide in Lias Group mudrocks, Cleveland Basin, UK. <i>Geomorphology</i> , 2011, 125, 472-484.	2.6	132
4	4D electrical resistivity tomography monitoring of soil moisture dynamics in an operational railway embankment. <i>Near Surface Geophysics</i> , 2014, 12, 61-72.	1.2	119
5	Four-dimensional imaging of moisture dynamics during landslide reactivation. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 398-418.	2.8	112
6	3D ground model development for an active landslide in Lias mudrocks using geophysical, remote sensing and geotechnical methods. <i>Landslides</i> , 2014, 11, 537-550.	5.4	79
7	Computation of optimized arrays for 3-D electrical imaging surveys. <i>Geophysical Journal International</i> , 2014, 199, 1751-1764.	2.4	45
8	Reconstruction of landslide movements by inversion of 4D electrical resistivity tomography monitoring data. <i>Geophysical Research Letters</i> , 2016, 43, 1166-1174.	4.0	45
9	Derivation of lowland riparian wetland deposit architecture using geophysical image analysis and interface detection. <i>Water Resources Research</i> , 2014, 50, 5886-5905.	4.2	41
10	Optimized arrays for 2-D resistivity survey lines with a large number of electrodes. <i>Journal of Applied Geophysics</i> , 2015, 112, 136-146.	2.1	40
11	Measurement and modelling of moisture-electrical resistivity relationship of fine-grained unsaturated soils and electrical anisotropy. <i>Journal of Applied Geophysics</i> , 2016, 124, 155-165.	2.1	40
12	Integrated time-lapse geoelectrical imaging of wetland hydrological processes. <i>Water Resources Research</i> , 2016, 52, 1607-1625.	4.2	36
13	Four-dimensional electrical resistivity tomography for continuous, near-real-time monitoring of a landslide affecting transport infrastructure in British Columbia, Canada. <i>Near Surface Geophysics</i> , 2020, 18, 337-351.	1.2	36
14	Rapid observations to guide the design of systems for long-term monitoring of a complex landslide in the Upper Lias clays of North Yorkshire, UK. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2013, 46, 323-336.	1.4	30
15	Spatial monitoring of groundwater drawdown and rebound associated with quarry dewatering using automated time-lapse electrical resistivity tomography and distribution guided clustering. <i>Engineering Geology</i> , 2015, 193, 412-420.	6.3	27
16	Rapid inversion of data from 2D resistivity surveys with electrode displacements. <i>Geophysical Prospecting</i> , 2018, 66, 579-594.	1.9	24
17	A linked geomorphological and geophysical modelling methodology applied to an active landslide. <i>Landslides</i> , 2021, 18, 2689-2704.	5.4	19
18	The inversion of data from very large three-dimensional electrical resistivity tomography mobile surveys. <i>Geophysical Prospecting</i> , 2020, 68, 2579-2597.	1.9	14

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19	The Application of Electromagnetic Induction Methods to Reveal the Hydrogeological Structure of a Riparian Wetland. <i>Water Resources Research</i> , 2021, 57, e2020WR029221.	4.2	13
20	Application of petrophysical relationships to electrical resistivity models for assessing the stability of a landslide in British Columbia, Canada. <i>Engineering Geology</i> , 2022, 301, 106613.	6.3	11
21	Landslide activation behaviour illuminated by electrical resistance monitoring. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1321-1334.	2.5	9
22	Low frequency acoustic and ultrasound waves to characterise layered media. <i>NDT and E International</i> , 2018, 96, 35-46.	3.7	9
23	Remote Condition Assessment of Geotechnical Assets Using a New Low-power ERT Monitoring System. , 2016, , .		6
24	4D electrical resistivity tomography for assessing the influence of vegetation and subsurface moisture on railway cutting condition. <i>Engineering Geology</i> , 2022, 307, 106790.	6.3	6
25	Tracking tracer motion in a 4D electrical resistivity tomography experiment. <i>Water Resources Research</i> , 2016, 52, 4078-4094.	4.2	5
26	The use of asymmetric time constraints in 4-D ERT inversion. <i>Journal of Applied Geophysics</i> , 2022, 197, 104536.	2.1	4
27	Bioinspired Low-Frequency Material Characterisation. <i>Advances in Acoustics and Vibration</i> , 2012, 2012, 1-12.	0.5	2
28	Linking field electrical resistivity measurements to pore suction and shear strength, for improved understanding of long term landslide stability. , 2021, , .		0