

# Panagiotis Tsourlos

## List of Publications by Year in descending order

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49  
papers

1,334  
citations

304743

22  
h-index

361022

35  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional and three-dimensional resistivity imaging in archaeological site investigation. <i>Archaeological Prospection</i> , 2006, 13, 163-181.	2.2	124
2	4D active time constrained resistivity inversion. <i>Journal of Applied Geophysics</i> , 2011, 73, 25-34.	2.1	90
3	Non-destructive electrical resistivity tomography for indoor investigation: the case of Kapnikarea Church in Athens. <i>Archaeological Prospection</i> , 2008, 15, 47-61.	2.2	68
4	Geophysical investigation of tumuli by means of surface 3D Electrical Resistivity Tomography. <i>Journal of Applied Geophysics</i> , 2010, 70, 192-205.	2.1	58
5	IP4DI: A software for time-lapse 2D/3D DC-resistivity and induced polarization tomography. <i>Computers and Geosciences</i> , 2013, 54, 164-170.	4.2	56
6	4D time-lapse ERT inversion: introducing combined time and space constraints. <i>Near Surface Geophysics</i> , 2014, 12, 25-34.	1.2	56
7	Combined weighted inversion of electrical resistivity data arising from different array types. <i>Journal of Applied Geophysics</i> , 2007, 62, 124-140.	2.1	54
8	Improved time-lapse electrical resistivity tomography monitoring of dense non-aqueous phase liquids with surface-to-horizontal borehole arrays. <i>Journal of Applied Geophysics</i> , 2015, 112, 1-13.	2.1	54
9	A large scale geophysical survey in the archaeological site of Europos (northern Greece). <i>Journal of Applied Geophysics</i> , 1994, 32, 85-98.	2.1	50
10	Evaluating four-dimensional time-lapse electrical resistivity tomography for monitoring DNAPL source zone remediation. <i>Journal of Contaminant Hydrology</i> , 2014, 162-163, 27-46.	3.3	45
11	Curie Point Depths of Albania Inferred from Ground Total Field Magnetic Data. <i>Surveys in Geophysics</i> , 2005, 26, 461-480.	4.6	44
12	Four-dimensional inversion of resistivity monitoring data through Lp norm minimizations. <i>Geophysical Journal International</i> , 2013, 195, 1640-1656.	2.4	44
13	Combined DC resistivity and induced polarization (DC-IP) for mapping the internal composition of a mine waste rock pile in Nova Scotia, Canada. <i>Journal of Applied Geophysics</i> , 2018, 150, 40-51.	2.1	44
14	Measurement and inversion schemes for single borehole-to-surface electrical resistivity tomography surveys. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 487-497.	1.4	42
15	Characterization and monitoring of subsurface contamination from Olive Oil Mills' waste waters using Electrical Resistivity Tomography. <i>Science of the Total Environment</i> , 2018, 637-638, 991-1003.	8.0	42
16	Tracing a major Roman road in the area of ancient Helike by resistivity tomography. <i>Archaeological Prospection</i> , 2009, 16, 251-266.	2.2	35
17	Time-lapse Monitoring in Single Boreholes Using Electrical Resistivity Tomography. <i>Journal of Environmental and Engineering Geophysics</i> , 2003, 8, 1-14.	0.5	32
18	An algorithm for fast 3D inversion of surface electrical resistivity tomography data: application on imaging buried antiquities. <i>Geophysical Prospecting</i> , 2011, 59, 557-575.	1.9	29

#	ARTICLE	IF	CITATIONS
19	Archaeological investigations in the shallow seawater environment with electrical resistivity tomography. <i>Near Surface Geophysics</i> , 2015, 13, 601-611.	1.2	28
20	Combined application of GPR and ERT for the assessment of a wall structure at the Heptapyrgion fortress (Thessaloniki, Greece). <i>Journal of Applied Geophysics</i> , 2018, 152, 208-220.	2.1	26
21	Comparison of measuring strategies for the 3-D electrical resistivity imaging of tumuli. <i>Journal of Applied Geophysics</i> , 2014, 101, 77-85.	2.1	25
22	Using surface and cross-hole resistivity tomography in an urban environment: An example of imaging the foundations of the ancient wall in Thessaloniki, North Greece. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1310-1317.	2.9	24
23	A new coupled model for simulating the mapping of dense nonaqueous phase liquids using electrical resistivity tomography. <i>Geophysics</i> , 2013, 78, EN1-EN15.	2.6	23
24	Electrical Resistivity Tomography for the Modelling of Cultural Deposits and Geomorphological Landscapes at Neolithic Sites: a Case Study from Southeastern Hungary. <i>Archaeological Prospection</i> , 2014, 21, 169-183.	2.2	18
25	Three-dimensional inversion of automatic resistivity profiling data. <i>Archaeological Prospection</i> , 2009, 16, 267-278.	2.2	15
26	3D electrical resistivity tomography technique for the investigation of a construction and demolition waste landfill site. <i>Studia Geophysica Et Geodaetica</i> , 2015, 59, 461-476.	0.5	15
27	Transformation of the resistivity anomalies from archaeological sites by inversion filtering. <i>Geophysics</i> , 1997, 62, 36-43.	2.6	14
28	Holocene palaeoenvironmental changes in Agia Paraskevi prehistoric settlement, Lamia, Central Greece. <i>Quaternary International</i> , 2010, 216, 64-74.	1.5	14
29	Investigating behind the lining of the Tunnel of Eupalinus in Samos (Greece) using ERT and GPR. <i>Near Surface Geophysics</i> , 2015, 13, 571-583.	1.2	14
30	Geophysical exploration in the Church of Protaton at Karyes of Mount Athos (Holy Mountain) in northern Greece. <i>Archaeological Prospection</i> , 2007, 14, 75-86.	2.2	12
31	Inversion of ERT data with a priori information using variable weighting factors. <i>Journal of Applied Geophysics</i> , 2014, 105, 1-9.	2.1	12
32	Palaeogeographical reconstruction of the battle terrain in Ancient Thermopylae, Greece. <i>Geodynamica Acta</i> , 2010, 23, 241-253.	2.2	11
33	GEOPHYSICAL SURVEY AS AN AID TO EXCAVATION AT MITROU: A Preliminary Report. <i>Hesperia</i> , 2012, 81, 383.	0.2	11
34	Assessing the Condition of the Rock Mass over the Tunnel of Eupalinus in Samos (Greece) using both Conventional Geophysical Methods and Surface to Tunnel Electrical Resistivity Tomography. <i>Archaeological Prospection</i> , 2014, 21, 277-291.	2.2	11
35	Surface-to-tunnel electrical resistance tomography measurements. <i>Near Surface Geophysics</i> , 2015, 13, 343-354.	1.2	11
36	Efficient 2D inversion of long ERT sections. <i>Journal of Applied Geophysics</i> , 2014, 105, 213-224.	2.1	9

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37	Contribution of electrical tomography methods in geotechnical investigations at Mavropigi lignite open pit mine, Northern Greece. <i>Environmental Earth Sciences</i> , 2014, 72, 1589-1598.	2.7	9
38	Time-lapse electrical resistivity tomography mapping of DNAPL remediation at a STAR field site. <i>Journal of Applied Geophysics</i> , 2021, 184, 104244.	2.1	9
39	From subsurface to surface: a multidisciplinary approach to decoding uplift histories in tectonically active karst landscapes. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1710-1721.	2.5	8
40	2D interpretation of vertical electrical soundings: application to the Sarantaporon basin (Thessaly). <i>Journal of Applied Geophysics</i> , 2014, 114, 107-117.	1.4	7
41	A focusing approach to ground water detection by means of electrical and EM methods: the case of Paliouri, Northern Greece. <i>Studia Geophysica Et Geodaetica</i> , 2012, 56, 1063-1078.	0.5	7
42	Contribution of multiplexed electrical resistance and magnetic techniques to the archaeological investigations at Poros, Greece. <i>Archaeological Prospection</i> , 2006, 13, 75-90.	2.2	6
43	3D inversion of irregular gridded 2D electrical resistivity tomography lines: Application to sinkhole mapping at the Island of Corfu (West Greece). <i>Near Surface Geophysics</i> , 2016, 14, 275-285.	1.2	5
44	A hybrid optimization scheme for self-potential measurements due to multiple sheet-pile bodies in arbitrary 2D resistivity distributions. <i>Geophysical Prospecting</i> , 2019, 67, 1948-1964.	1.9	5
45	Accessing a historic wall structure using GPR. The case of Heptapyrgion fortress Thessaloniki Greece. <i>Journal of Cultural Heritage</i> , 2017, 18, 1-10.		4
46	Geoarchaeological evidence of landscape transformations at the Neolithic and Bronze Age settlement of Nea Raedestos in the Anthemous River valley, central Macedonia, Greece. <i>Quaternary Research</i> , 2019, 91, 600-619.	1.7	4
47	Application of crosshole electrical resistivity tomography measurements under the influence of horizontally slotted plastic cased boreholes. <i>Near Surface Geophysics</i> , 2022, 20, 46-63.	1.2	4
48	Monitoring of olive oil mills' wastes using electrical resistivity tomography techniques. <i>Journal of Applied Geophysics</i> , 2014, 114, 107-117.		1
49	Self-potential for monitoring soil remediation by smouldering: a proof of concept. <i>Near Surface Geophysics</i> , 2017, 15, 475-485.	1.2	1