## Theofilos Toulkeridis

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8092683/publications.pdf

Version: 2024-02-01

		331538	4	414303
131	1,647	21		32
papers	citations	h-index		g-index
153	153	153		1381
all docs	docs citations	times ranked		citing authors

#	Article	IF	CITATIONS
1	Proposal of an Initial Environmental Management and Land Use for Critical Cemeteries in Central Ecuador. Sustainability, 2022, 14, 1577.	1.6	5
2	Excess Mortality Data Analysis of COVID-19 Infections and Fatalities in Ecuador. Uniciencia, 2022, 36, 1-10.	0.1	3
3	Smart City Planning Based on Landslide Susceptibility Mapping Using Fuzzy Logic and Multi-criteria Evaluation Techniques in the City of Quito, Ecuador. Lecture Notes in Electrical Engineering, 2022, , 89-103.	0.3	5
4	Smart City Planning with Geomatic Modeling of Lahar Evacuation Routes in the Northern Populated Area of Cotopaxi Volcano, Ecuador. Lecture Notes in Electrical Engineering, 2022, , 74-88.	0.3	0
5	Assessing Susceptibility to Soil Liquefaction Using the Standard Penetration Test (SPT)—A Case Study from the City of Portoviejo, Coastal Ecuador. Land, 2022, 11, 463.	1.2	5
6	Determining the Effects of Nanonutrient Application in Cabbage (Brassica oleracea var. capitate L.) Using Spectrometry and Biomass Estimation with UAV. Agronomy, 2022, 12, 81.	1.3	4
7	Determination of altitudes of the three main Ecuadorian summits through GNSS positioning. Geodesy and Geodynamics, 2022, 13, 343-351.	1.0	6
8	Livelihood Capitals, Income Inequality, and the Perception of Climate Change: A Case Study of Small-Scale Cattle Farmers in the Ecuadorian Andes. Sustainability, 2022, 14, 5028.	1.6	11
9	Determination of Empirical Environmental Indices for the Location of Cemeteries—An Innovative Proposal for Worldwide Use. Sustainability, 2022, 14, 6284.	1.6	3
10	Synthesis of Iron, Zinc, and Manganese Nanofertilizers, Using Andean Blueberry Extract, and Their Effect in the Growth of Cabbage and Lupin Plants. Nanomaterials, 2022, 12, 1921.	1.9	14
11	Removal of METH through Tertiary or Advanced Treatment in a WWTP. Water (Switzerland), 2022, 14, 1807.	1.2	3
12	Sustainable Treatment Techniques for Emerging Pollutantsâ€"The Case of Personal Hygiene Products. Applied Sciences (Switzerland), 2022, 12, 6330.	1.3	6
13	Contrasting Effects of Air Pollution Assessment in two Areas of the Quito Metropolitan District, Ecuador. Granja, 2022, 36, .	0.1	O
14	Organic geochemistry and mineralogy suggest anthropogenic impact in speleothem chemistry from volcanic show caves of the Galapagos. IScience, 2022, 25, 104556.	1.9	7
15	Determination of the Influence of an Absorbing Silica Gel in Concrete. Lecture Notes in Electrical Engineering, 2022, , 18-27.	0.3	1
16	Malware Security Evasion Techniques: AnÂOriginal Keylogger Implementation. Advances in Intelligent Systems and Computing, 2021, , 375-384.	0.5	3
17	Management Support Systems Model for Incident Resolution in FinTech based on Business Intelligence. , 2021, , .		O
18	Climate Governance and Sustainable Development: A Sight to the Intermediate and Border Cities of Ecuador., 2021,, 646-655.		0

#	Article	IF	Citations
19	Volcanic Ash as a Precursor for SARS-CoV-2 Infection Among Susceptible Populations in Ecuador: A Satellite Imaging and Excess Mortality-Based Analysis. Disaster Medicine and Public Health Preparedness, 2021, , 1-13.	0.7	7
20	SHOCK METAMORPHISM IN VOLCANIC ROCK DUE TO THE IMPACT OF THE MIGUIR-CAJAS METEORITE IN 1995 AND ITS IMPORTANCE FOR ECUADOR. Geojournal of Tourism and Geosites, 2021, 35, 315-321.	0.4	2
21	Origin of color variations of thin, nano-sized layers of volcanic cinder from the Sierra Negra Volcano of the Galapagos Islands. Uniciencia, 2021, 35, 1-13.	0.1	3
22	Geoid undulation modeling through the Cokriging method–A case study of Guayaquil, Ecuador. Geodesy and Geodynamics, 2021, 12, 356-367.	1.0	8
23	Sequential leaching of silicified Archaean carbonates: A Rb-Sr, Sm-Nd and Pb-Pb isotopic contribution to their tectonic-thermal history (Kaapvaal Craton, South Africa). Precambrian Research, 2021, 365, 106393.	1.2	0
24	Greenhouse Gas Emissions from Subsistence Dairy Livestock in Rural Livelihoods in the Northern Andes of Ecuador., 2021,, 65-74.		0
25	Seismically Induced Soil Liquefaction and Geological Conditions in the City of Jama due to the M7.8 Pedernales Earthquake in 2016, NW Ecuador. Geosciences (Switzerland), 2021, 11, 20.	1.0	15
26	Composition and provenance analysis of beach sands in an almost isolated sedimentary system – A field study of the Galápagos Archipelago. Numerische Mathematik, 2021, 321, 888-906.	0.7	1
27	Estimation of Biogas Generated in Two Landfills in South-Central Ecuador. Atmosphere, 2021, 12, 1365.	1.0	9
28	Validation of the GPS leveling method through the gradient analysis of the geoidal wave. Case study of Ecuador , 2021, 62, 316-329.		0
29	Innovation with Lagoon Sediments for Soil Conservation and Sustainable Intensification in the Ecuadorian Andes. Biology and Life Sciences Forum, 2021, 3, .	0.6	0
30	Multitemporal Analysis as a Non-Invasive Technology Indicates a Rapid Change in Land Use in the Amazon: The Case of the ITT Oil Block. Environments - MDPI, 2021, 8, 139.	1.5	9
31	Generating the Baseline in the Early Detection of Bud Rot and Red Ring Disease in Oil Palms by Geospatial Technologies. Remote Sensing, 2020, 12, 3229.	1.8	20
32	The use of GIS in the Predictive Ecological Niche Modeling of Vector Species of the American Trypanosomiasis Disease (Chagas), in Ecuador., 2020,,.		2
33	Colored Microbial Coatings in Show Caves from the Galapagos Islands (Ecuador): First Microbiological Approach. Coatings, 2020, 10, 1134.	1.2	15
34	From Monolithic Systems to Microservices: A Comparative Study of Performance. Applied Sciences (Switzerland), 2020, 10, 5797.	1.3	26
35	K-Ar AND Rb-Sr DATING OF NANOMETER-SIZED SMECTITE-RICH MIXED LAYERS FROM BENTONITE BEDS OF THE CAMPOS BASIN (RIO DE JANEIRO STATE, BRAZIL). Clays and Clay Minerals, 2020, 68, 446-464.	0.6	4
36	Plant Diversity and Composition Changes along an Altitudinal Gradient in the Isolated Volcano Sumaco in the Ecuadorian Amazon. Diversity, 2020, 12, 229.	0.7	10

#	Article	IF	CITATIONS
37	A Container Orchestration Development that Optimizes the Etherpad Collaborative Editing Tool through a Novel Management System. Electronics (Switzerland), 2020, 9, 828.	1.8	3
38	Index Relationship of Vegetation with the Development of a Quinoa Crop (Chenopodium quinoa)in its First Phenological Stages in Central Ecuador Based on GIS Techniques., 2020,,.		5
39	Evaluation of the susceptibility to landslides through diffuse logic and analytical hierarchy process (AHP) between Macas and Riobamba in Central Ecuador. , 2020, , .		14
40	Determination of the Natural Plant Coverage of the Eloy Alfaro Canton Based on GIS, NW Ecuador. , 2020, , .		3
41	Application of Remote Sensing Techniques in the Estimation of Forest Biomass of a Recreation Area by UAV and RADAR Images in Ecuador. , 2020, , .		8
42	Possible effects of potential lahars from Cotopaxi volcano on housing market prices. Journal of Applied Volcanology, 2020, 9, .	0.7	8
43	Multitemporal Evaluation of the Recent Land Use Change in Santa Cruz Island, Galapagos, Ecuador. Communications in Computer and Information Science, 2020, , 519-534.	0.4	8
44	Climate Change according to Ecuadorian academics–Perceptions versus facts. Granja, 2020, 31, 21-46.	0.1	30
45	Use of the Heuristic Model and GIS to Zone Landslide Hazards in the Mira River Basin, Ecuador. Communications in Computer and Information Science, 2020, , 243-257.	0.4	1
46	Simulation of Vehicle Transit During an Eventual Eruption of the Cotopaxi Volcano in the Valle de los Chillos, Central Ecuador. Communications in Computer and Information Science, 2020, , 391-405.	0.4	4
47	Territorial, Population and Economic Analysis of a Potential Volcanic Disaster in the City of Latacunga, Central Ecuador Based on GIS Techniques – Implications and Potential Solutions. Communications in Computer and Information Science, 2020, , 549-563.	0.4	4
48	Application of Quality Tools for Evaluation of the Use of Geo-Information in Various Municipalities of Ecuador. Communications in Computer and Information Science, 2020, , 420-433.	0.4	2
49	Evaluation of the Surface Temperature Applied in Aquaculture Based on Satellite Images in Coastal Ecuador. Communications in Computer and Information Science, 2020, , 572-586.	0.4	2
50	The Armed Forces as a Immediate Response State Institution and Its Participation as an Articulator in the Risk Management in Ecuador. Smart Innovation, Systems and Technologies, 2020, , 545-554.	0.5	3
51	Tectonic-thermal constraints on the Pb-Zn ore deposits from southeastern French Central Massif by K-Ar and Pb-Pb dating of illite. Bulletin Mineralogie Petrologie, 2020, 28, 307-321.	0.4	1
52	COVID-19: Pandemic in Ecuador: a health disparities perspective. Revista De Salud Publica, 2020, 22, 1-5.	0.0	1
53	Modeling of the spatial distribution of the vector Aedes Aegypti, transmitter of the Zika Virus in continental Ecuador by the application of GIS tools. Revista Bionatura, 2020, 5, 1314-1327.	0.1	3
54	Characterization of seismogenic crustal faults in the Gulf of Guayaquil, Ecuador. Andean Geology, 2019, 46, 66.	0.2	14

#	Article	IF	Citations
55	Predictive models to estimate sediment volumes deposited by debris flows (Vargas state, Venezuela): an adjustment of multivariate statistical techniques. Environmental Earth Sciences, 2019, 78, 1.	1.3	2
56	Two independent real-time precursors of the 7.8 Mw earthquake in Ecuador based on radioactive and geodetic processesâ€"Powerful tools for an early warning system. Journal of Geodynamics, 2019, 126, 12-22.	0.7	27
57	Thyroid Cancer in Ecuador, a 16 years population-based analysis (2001–2016). BMC Cancer, 2019, 19, 294	. 1.1	21
58	Data Analytics on Real-Time Air Pollution Monitoring System Derived from a Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2019, , 57-67.	0.5	7
59	Phishing Attacks: Detecting and Preventing Infected E-mails Using Machine Learning Methods. , 2019, , .		12
60	Phishing Attack Detection: A Solution Based on the Typical Machine Learning Modeling Cycle., 2019,,.		8
61	Detrital-zircon geochronology and provenance of the El Oro Metamorphic Complex, Ecuador: Geodynamic implications for the evolution of the western Gondwana margin. Journal of South American Earth Sciences, 2019, 90, 520-539.	0.6	15
62	Caves and karst of Ecuador – state-of-the-art and research perspectives. Physical Geography, 2019, 40, 28-51.	0.6	9
63	Ethics, Policy, and Risk Assessment of the Cotopaxi Volcanic Crisis in Ecuador—Vulnerable Society Versus Unprepared Volcanic Monitoring Staff and Authorities. The Latin American Studies Book Series, 2018, , 153-170.	0.1	7
64	Towards a Real-Time Air Pollution Monitoring Systems Implemented using Wireless Sensor Networks: Preliminary Results. , 2018, , .		12
65	Corroboration that the Mc1r Gly/Ser mutation correlates with the phenotypic expression of pigmentation in Astroblepus. Developmental Biology, 2018, 441, 311-312.	0.9	O
66	Cybercrime in Ecuador, an exploration, which allows to define national cybersecurity policies. , $2018$ , , .		6
67	Comparative Determination of the Probability of Landslide Ocurrences and Susceptibility in Central Quito, Ecuador., 2018,,.		12
68	Applicability of Cybersecurity Standards in Ecuador - A Field Exploration. Smart Innovation, Systems and Technologies, 2018, , 27-40.	0.5	1
69	Biological Impact of Exposure to Extremely Fine-Grained Volcanic Ash. Journal of Nanotechnology, 2018, 2018, 1-12.	1.5	9
70	Solar Energy Potential in Ecuador. , 2018, , .		2
71	Numerical Probability Modeling of Past, Present and Future Landslide Occurrences in Nothern Quito, Ecuador., 2018,,.		11
72	A NDVI Analysis Contrasting Different Spectrum Data Methodologies Applied in Pasture Crops Previous Grazing – A Case Study from Ecuador. , 2018, , .		14

#	Article	IF	CITATIONS
73	Modeling of the ecological niches of the anopheles spp in Ecuador by the use of geo-informatic tools. Spatial and Spatio-temporal Epidemiology, 2017, 21, 1-11.	0.9	14
74	On the development of an electronic invoicing solution to integrate SMEs with a tax-collection egovernment-platform. , 2017, , .		9
75	Data Mining model in the discovery of trends and patterns of intruder attacks on the data network as a public-sector innovation. , 2017, , .		8
76	Wind directions of volcanic ash-charged clouds in Ecuador – implications for the public and flight safety. Geomatics, Natural Hazards and Risk, 2017, 8, 242-256.	2.0	43
77	Economic risk assessment of Cotopaxi volcano, Ecuador, in case of a future lahar emplacement. Natural Hazards, 2017, 85, 605-618.	1.6	34
78	An unsupervised K-means based clustering method for geophysical post-earthquake diagnosis. , 2017, , .		7
79	Methodological approach for the estimation of a new velocity model for continental Ecuador. Open Geosciences, 2017, 9, .	0.6	6
80	Integration of IT frameworks for the management of information security within industrial control systems providing metrics and indicators. , 2017, , .		8
81	Intelligent agents, voice and facial recognition applied in videogames in order to stimulate cognitive development of children â€" A case study of Tictactoe in 3D. , 2017, , .		2
82	Interactive geo-location based service application as pervasive computing through mobile devices. , $2017, \ldots$		1
83	Capture and processing of geospatial data with laser scanner system for 3D modeling and virtual reality of Amazonian Caves. , 2017, , .		10
84	Wireless communication system for the transmission of thermal images from a UAV., 2017,,.		14
85	Dimensional data model for early alerts of malicious activities in a CSIRT., 2017,,.		7
86	Software constraints for caves' virtual environments modeling. , 2017, , .		1
87	Software Application to Evaluate the Complexity Theory of the RSA and Elliptic Curves Asymmetric Algorithms. , 2017, , .		1
88	Software-Based Platform for Education and Training of DDoS Attacks Using Virtual Networks. , 2017, , .		1
89	An Innovative Fog Catcher System Applied in the Andean Communities of Ecuador. Transactions of the ASABE, 2017, 60, 1917-1923.	1.1	9
90	An Integral Model to Provide Reactive and Proactive Services in an Academic CSIRT Based on Business Intelligence. Systems, 2017, 5, 52.	1.2	6

#	Article	IF	Citations
91	A Low-Cost IoT Application for the Urban Traffic of Vehicles, Based on Wireless Sensors Using GSM Technology. , $2016,  ,  .$		12
92	A proposal of an entity name recognition algorithm to integrate governmental databases. , 2016, , .		3
93	Software-based computing platform as an experimental topology assembled to detect and mitigate DDoS attacks using virtual environments. , 2016, , .		3
94	Stability assessment of volcanic lava tubes in the Gal $ ilde{A}_i$ pagos using engineering rock mass classifications and an empirical approach. International Journal of Rock Mechanics and Minings Sciences, 2016, 89, 55-67.	2.6	12
95	A methodological proposal concerning to the management of information security in Industrial Control Systems. , 2016, , .		5
96	Playful and interactive environment-based augmented reality to stimulate learning of children. , 2016, , .		8
97	Causes and consequences of the sinkhole at El Trébol of Quito, Ecuador – implications for economic damage and risk assessment. Natural Hazards and Earth System Sciences, 2016, 16, 2031-2041.	1.5	16
98	Distributed System as Internet of Things for a New Low-Cost, Air Pollution Wireless Monitoring on Real Time. , $2015$ , , .		31
99	A Mineralogical, Chemical and Isotopic Investigation of Shales from the Barberton Greenstone Belt, South Africa, To Constrain Source Materials and Post-Deposition Evolution. South African Journal of Geology, 2015, 118, 389-410.	0.6	11
100	Multi-player Educational Video Game over Cloud to Stimulate Logical Reasoning of Children. , 2014, , .		9
101	Vesuvianite in high-pressure-metamorphosed oceanic lithosphere (Raspas Complex, Ecuador) and its role for transport of water and trace elements in subduction zones. European Journal of Mineralogy, 2014, 25, 1039-1039.	0.4	0
102	Vesuvianite in high-pressure-metamorphosed oceanic lithosphere (Raspas Complex, Ecuador) and its role for transport of water and trace elements in subduction zones. European Journal of Mineralogy, 2013, 25, 193-219.	0.4	9
103	Widespread relics of high-pressure metamorphism confirm major terrane accretion in Ecuador: a new example from the Northern Andes. International Geology Review, 2012, 54, 67-80.	1.1	29
104	Fumarole/plume and diffuse CO2 emission from Sierra Negra caldera, Galapagos archipelago. Bulletin of Volcanology, 2012, 74, 1509-1519.	1.1	25
105	Pb–Pb age, stable isotope and chemical composition of Archaean magnesite, Barberton Greenstone Belt, South Africa. Journal of the Geological Society, 2010, 167, 943-952.	0.9	7
106	Crustal age domains in the Kibaran belt of SW-Uganda: Combined zircon geochronology and Sm–Nd isotopic investigation. Journal of African Earth Sciences, 2008, 51, 4-20.	0.9	33
107	Diffuse CO2 emission rate from Pululahua and the lake-filled Cuicocha calderas, Ecuador. Journal of Volcanology and Geothermal Research, 2008, 176, 163-169.	0.8	53
108	The magmatic feeding system of El Reventador volcano (Sub-Andean zone, Ecuador) constrained by texture, mineralogy and thermobarometry of the 2002 erupted products. Journal of Volcanology and Geothermal Research, 2008, 176, 94-106.	0.8	92

#	Article	IF	CITATIONS
109	Effect of thermal maturation on the K–Ar, Rb–Sr and REE systematics of an organic-rich New Albany Shale as determined by hydrous pyrolysis. Chemical Geology, 2006, 234, 169-177.	1.4	12
110	Crystallization Conditions of Fundamental Particles From Mixed-layer Illite-Smectite of Bentonites Based on Isotopic Data (K-Ar, Rb-Sr and Î" <sup>18</sup> O). Clays and Clay Minerals, 2003, 51, 664-674.	0.6	21
111	Shear-zone patterns and eclogite-facies metamorphism in the Mozambique belt of northern Malawi, east-central Africa: implications for the assembly of Gondwana. Precambrian Research, 2002, 116, 19-56.	1.2	76
112	Silicate diagenesis in deep-sea sediments from the Tonga forearc (SW Pacific): a strontium and Rare Earth Elements signature. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2000, 23, 281-296.	0.7	4
113	Influence of anthropogenic activity on the lead isotope signature of Thau Lake sediments (southern) Tj ETQq1 1 C	).784314 1.4	rgBT /Overlo
114	Differentiated hydrothermal and meteoric alterations of the Lueshe carbonatite complex (Democratic) Tj ETQq0 C Chemical Geology, 2000, 165, 109-132.	0 rgBT /0 1.4	Overlock 10 7 28
115	Fluctuations of Caspian Sea level: Beyond climatic variations?. Geology, 2000, 28, 1015-1018.	2.0	3
116	Characterization, provenance, and tectonic setting of Fig Tree greywackes from the Archaean Barberton Greenstone Belt, South Africa. Sedimentary Geology, 1999, 124, 113-129.	1.0	61
117	K-Ar dating of white micas from the Ventersdorp Contact Reef of the Witwatersrand Basin, South Africa: timing of post-depositional alteration. Mineralogy and Petrology, 1999, 66, 149-170.	0.4	23
118	Deformed A-type granites in northern Malawi, east-central Africa: pre- or syntectonic?. Journal of the Geological Society, 1999, 156, 695-714.	0.9	36
119	Multimethod (K-Ar, Rb-Sr, Sm-Nd) dating of bentonite minerals from the eastern United States. Basin Research, 1998, 10, 261-270.	1.3	10
120	Sm–Nd, Rb–Sr and Pb–Pb dating of silicic carbonates from the early Archaean Barberton Greenstone Belt, South Africa. Precambrian Research, 1998, 92, 129-144.	1.2	51
121	Compositions chimiques et isotopiques d'eaux de la mer Caspienne et de tributaires de la région de Makachkala (Russie): premià res donnà © es sur le fonctionnement d'un systà me endorà © à que particulier. Comptes Rendus De L'Acadà © mie Des Sciences Earth & Planetary Sciences Sà © rie II, Sciences De La Terre Et Des Planà tes = 1998, 327, 17-24.	0.2	1
122	Tracing the source of gypsum in New Caledonian soils by REE contents and Sî—,Sr isotopic compositions. Chemical Geology, 1998, 145, 61-71.	1.4	32
123	Mineralogical, geochemical (REE), and isotopic (K-Ar, Rb-Sr, delta 18 O) evolution of the clay minerals from faulted, carbonate-rich, passive paleomargin of southeastern Massif Central, France. Journal of Sedimentary Research, 1997, 67, 923-934.	0.8	20
124	Palaeoproterozoic granulite-facies metamorphism and granitoid intrusions in the Ubendian-Usagaran Orogen of northern Malawi, east-central Africa. Precambrian Research, 1997, 85, 27-51.	1.2	69
125	Chemical variations in clay minerals of the Archaean Barberton Greenstone Belt (South Africa). Precambrian Research, 1996, 79, 195-207.	1.2	12
126	Sm-Nd dating of Fig Tree clay minerals of the Barberton greenstone belt, South Africa. Geology, 1994, 22, 199.	2.0	29

## THEOFILOS TOULKERIDIS

#	Article	IF	CITATIONS
127	Cave dwelling Onychophora from a Lava Tube in the Galapagos. Subterranean Biology, 0, 15, 1-10.	5.0	5
128	Observation of the Catfish Chaetostoma microps Climbing in a Cave in Tena, Ecuador. Subterranean Biology, 0, 15, 29-35.	5.0	11
129	New records and new species of springtails (Collembola: Entomobryidae, Paronellidae) from lava tubes of the $Gal\tilde{A}_i$ pagos Islands (Ecuador). Subterranean Biology, 0, 17, 77-120.	5.0	10
130	Predation of Desmodus rotundus Geoffroy, 1810 (Phyllostomidae, Chiroptera) by Epicrates cenchria (Linnaeus, 1758) (Boidae, Reptilia) in an Ecuadorian Cave. Subterranean Biology, 0, 19, 41-50.	5.0	5
131	Subsidence at the "Trébol" of Quito, Ecuador: an indicator for future disasters?. Proceedings of the International Association of Hydrological Sciences, 0, 372, 151-155.	1.0	2