



Yousef Ghavidel

Professor (Full) in Physical Geography
(Climate Sciences),
Tarbiat Modares University

Synoptic Climatology
Climate change and global warming an...
Teleconnections
Climate

	All	Since 2021
Citations	686	499
h-index	13	11
i10-index	18	11

TITLE	CITED BY	YEAR
Spatial Analysis of spring dust storms hazard in Iran B Parasto, G Yousef, F Manuchehr Theoretical and Applied Climatology 139 (3-4), 1447–1457	50 *	2020
Analysis of spatio-temporal dust aerosol frequency over Iran based on satellite data YG Mohammad Rezaei, Manouchehr Farajzadeh, Tero Mielonen Atmospheric Pollution Research 10 (2), 508-519	47	2019
Temporal long-term variations in the occurrence of dust storm days in Iran P Baghbanan, Y Ghavidel, M Farajzadeh Meteorology and Atmospheric Physics 132 (6), 885–898	38	2020
A new approach in temporal-spatial reconstruction and synoptic analysis of cold waves in the northwest of Iran MF Mehdi Aalijahan, Bromand Salahi, Yousef Ghavidel Theoretical and Applied Climatology 137, 341–352	34	2019
Spatio-temporal Analysis of Dry and Wet Periods in Iran by Using Global Precipitation Climatology Center - Drought Index (GPCC –DI) MF Y. Ghavidel, Alireza Hosseini, Ali Mohammad Khorshiddoust Theoretical and Applied Climatology 143 (3-4), 1035–1045	33	2021
An evaluation of single-site statistical downscaling techniques in terms of indices of climate extremes for the Midwest of Iran M Farajzadeh, R Oji, AJ Cannon, Y Ghavidel, A Massah Bavani Theoretical and Applied Climatology 120 (1-2), 377–390	25	2015
THE STUDY OF DROUGHT AND WET YEAR ASSESSMENT MODELS FOR STATIONS IN MAZANDARAN PROVINCE SH KHALIGHI, SIS SADEGHI, KH OUSATI, Y GHAVIDEL IRANIAN JOURNAL OF RANGE AND DESERT RESEARCH 16 (1), 44-54	20 *	2009
The long-term (142 years) spatiotemporal reconstruction and synoptic analysis of extreme low temperatures (– 15° C or lower) in the northwest region of Iran MFA M Aalijahan, AR Lupo, B Salahi, YG Rahimi Theoretical and Applied Climatology 147 (3-4), 1415-1436	18	2022
Air quality classification and its temporal trend in Tehran, Iran, 2002-2012 R Saniei, A Zangiabadi, M Sharifikia, Y Ghavidel Geospatial health 11 (2)	18	2016

TITLE	CITED BY	YEAR
Characterization of drought dynamics in Iran by using S-TRACK method A Hosseini, Y Ghavidel, M Farajzadeh Theoretical and Applied Climatology 145 (1-2), 661–671	17	2021
Spatio-temporal variability of aerosol characteristics in Iran using remotely sensed datasets M Rezaei, M Farajzadeh, Y Ghavidel, K Alam Pollution 4 (1), 53-67	15	2018
Statistical analysis and temporal trend of annual maximum temperatures of Abadan in Southwestern of Iran Y Ghavidel, M Ahmadi Arabian Journal of Geosciences 10 (8), 8219–8228	15	2015
Analysis of spatiotemporal variations of cloud fraction based on geographic characteristics over Iran E Ghasemifar, M Farajzadeh, M Charles Perry, Y Ghavidel, AA Bidokhti Theoretical and Applied Climatology 1 (DOI10.1007/s00704-017-2308-1), DOI10 ...	13	2017
Discrimination of aerosol types over the Tehran city using 5 years (2011–2015) of modis collection 6 aerosol products M Rezaei, M Farajzadeh, T Mielonen, Y Ghavidel Journal of Environmental Health Science and Engineering 17 (1), 1-12	12	2019
Temporal changes in lethal temperatures above 50 C in the northern hemisphere M Karzani, Y Ghavidel, M Farajzadeh Pure and Applied Geophysics 179 (9), 3377-3390	11	2022
Synoptic analysis of unexampled super-heavy rainfall on April 1, 2019, in west of Iran Y Ghavidel, FJ Hombari Natural Hazards 104 (2), 1567–1580	11	2020
The spatial analysis of thunderstorm hazard in Iran Y Ghavidel, P Baghbanan, M Farajzadeh Arabian Journal of Geosciences 10 (5), 1-13	10	2017
DETERMINATION OF STATISTICAL THRESHOLD AND SYNOPTIC ANALYSIS OF SUPER COLD TEMPERATURES OVER MARAGHEH Y Ghavidel JOURNAL OF GEOGRAPHICAL SCIENCES 19 (22), 45-62	10	2011
Analysis of the effect of Tropical Cyclone Phet on the occurrence of heavy rainfall and floods in Chabahar, Iran Y Ghavidel, E Abasi, M Farajzadeh Weather 70 (12), 348-352	9	2015
Identification, classification and synoptic analysis of super heat wave of the summer of 2010 in Iran Y GHAVIDEL ARID REGIONS GEOGRAPHIC STUDIES 1 (3), 85-100	9	2011

TITLE	CITED BY	YEAR
Historical reconstruction and statistical survey on long-term temporal changes in temperatures above 50° C in West Asia Z Hadi, G Yousef, F Manuchehr Arabian Journal of Geosciences 14 (21), 1-11	8	2021
Statistical and synoptic analysis of cold waves in the northwest region of Iran Y Ghavidel-Rahimi, M Farajzadeh-Asl, S Motallbeizadeh Journal of Applied Researches in Geographical Sciences 16 (40), 29-46	8	2016
Spatiotemporal Anopheles population dynamics response to climatic conditions: The case of Chabahar, south Baluchistan, Iran M Halimi, M Farajzadeh, Y Ghavidel, M Delavari Annals of Global Health 81 (5), 694–704	8	2015
Long-term analysis of the spatiotemporal standardized precipitation evapotranspiration index for West Asia F Sadeghi, Y Ghavidel, M Farajzadeh Arabian Journal of Geosciences 15 (13), 1183	7	2022
ANALYSIS OF THE RELATIONSHIP BETWEEN NORTH SEA-CASPIAN TELECONNECTION PATTERN AND MINIMUM TEMPERATURES IN IRAN Y Ghavidel, M Farajzadeh, D Hatami GEOGRAPHIC SPACE 15 (52), 137-159	7	2016
The analysis of forest fires with climatic approach using satellite data in Alborz Area_ Iran M Farajzadeh, RY GHAVIDEL, S Mokri Journal of Spatial Analysis Environmental Hazards 2 (3), 93-104	7	2015
ESTIMATION AND TEMPORAL ANALYSIS OF CLIMATIC COMFORT IN TABRIZ MEGALOPOLIS Y GHAVIDEL, M AHMADI GEOGRAPHY AND DEVELOPMENT 11 (33), 173-182	7	2014
INVESTIGATION ON NORTH SEA-CASPIAN TELECONNECTION PATTERN EFFECT ON AUTUMN RAINFALL FLUCTUATIONS IN WEST AND NORTHWEST REGIONS OF IRAN Y GHAVIDEL, M FARAJZADEH, S KAKAPOR JOURNAL OF GEOGRAPHY AND PLANNING 18 (49), 217-230	7	2014
APPLICATIONS OF THE INSTABILITY INDICES FOR DETECTION AND DYNAMIC ANALYSIS OF 25 APRIL 2010 THUNDERSTORM IN TABRIZ Y Ghavidel GEOGRAPHIC SPACE 11 (34), 182-208	7	2011
IDENTIFICATION OF ENVIRONMENTAL HAZARDS PROPERTIES IN NORTH WEST IRAN: A CASE STUDY OF THUNDERSTORM HAZARDS IN TABRIZ J KHOUSHHAL, Y GHAVIDEL MODARRES HUMAN SCIENCES (Geography) 11 (53), 101-115	7	2007

TITLE	CITED BY	YEAR
Spatial analysis of the temporal long-term variations in frequency of dust storm days in Iran P Baghbanan, Y Ghavidel, M Farajzadeh Pure and Applied Geophysics 178 (10), 4181-4194	6	2021
Precipitation rate climatology related to different cloud types using satellite imagery over Iran AB E Ghasemifar, M Farajzadeh, Y Ghavidel Arabian Journal of Geosciences 11 (4), 1-14	6	2018
Analysis of spatiotemporal variations of cloud fraction based on Geographic characteristics in Iran E Ghasemifar, M Farajzadeh, RY GHAVIDEL, BAA ALIAKBARI Journal of the Earth and Space Physics 44 (1), 103-124	6	2018
Synoptic backgrounds of the widest wildfire in Mazandaran Province of Iran during December 11–13, 2010 Y Ghavidel, M Farajzadeh, M Khaleghi Babaei Meteorology and Atmospheric Physics 128 (6), 763–777	6	2016
The spatial analysis of hazard of spring thunderstorms in Iran Y Ghavidel Rahimi, P Baghebanan, M Farajzadeh Journal of Spatial Analysis Environmental hazards 1 (3), 59-70	6	2014
The Impact of Drought on Border Security in Sistan Region from 1998 to 2010 M Ahmadi, Y Ghavidel Rahimi, K Darfashi National Conference on Border Cities and Security, Challenges and Approaches	6	2012
Identification and analysis of low temperatures in the northwestern region of Iran using NTD method M Ahmadi, Y Ghavidel-Rahimi QUARTERLY RESEARCHES IN EARTH SCIENCES 2 (6), 77-96	6	2011
LINKING BETWEEN OSCILLATIONS OF NORTH ATLANTIC ATMOSPHERIC-OCEANIC CIRCULATION AND DROUGHTS IN EAST AZERBAIJAN B SALAHI, A KHOURSHIDDOUST, Y GHAVIDEL GEOGRAPHICAL RESEARCH QUARTERLY 39 (60), 147-156	6	2007
The temporal analysis of dust storms in Khoramabad synoptic station M Farajzadeh Journal of Applied Researches in Geographical Sciences 18 (51), 87-102	5	2018
Arctic Oscillation and its role in the variability of minimum temperatures in Northeast Iran Y Ghavidel Rahimi, M Farajzadeh, M Hatamikia Applied Research in Geographical Sciences 16 (42), 41-58	5	2015
Identification of synoptic patterns of heavy rainfall manufacturers destructive floods in Jiroft Y ghavidel, M Ahmadi, D Hatami, M Rezaei Geography: Iranian Journal of Geographers Association 41 (12), 161-178	5	2014

*

TITLE	CITED BY	YEAR
Place Identity and its Perception with a Geosystem Approach M Sharifi, MH Ramesht, M Rafieian, Y Ghavidel Geography and Environmental Planning 50 (2), 1-22	5	2013
THE APPLICATION OF RAINFALL BASED CRITERIA IN STUDYING OF DROUGHT AND WET YEARS (CASE STUDY: EAST AZARBAIJAN PROVINCE) Y GHAVIDEL PAJOUHESH-VA-SAZANDEGI 17 (65), 47-56	5	2005
A STUDY OF DROUGHT AND WET YEAR ASSESSMENT MODELS FOR STATIONS IN EAST AZERBAIJAN PROVINCE Y Ghavidel IRANIAN JOURNAL OF NATURAL RESOURCES 3 (58), 517-530	5	2005
Farajzadeh Asl, M., & Kakapor, S.(2014) Y Ghavidel Rahimi Investigation on North Sea-Caspian Teleconnection Pattern Effect on Autumn ...	5	
Modeling Return Levels of Non-Stationary Rainfall Extremes Due to Climate Change M Razi Ghalavand, M Farajzadeh, Y Ghavidel Rahimi Atmosphere 16 (2), 136	4	2025
A new approach in the identification and analysis of cold waves, Case Study: North East Iran M Ali Jahan, B Salahi, Y Ghavidel Rahimi, M Farajzadeh Asl Journal of climate research 1397 (33), 1-14	4	2018
A query on identification, classification and synoptic analysis of heat waves in Kerman province Y Ghavidel Rahimi, M Rezaei Journal of Geography and Planning 19 (54), 253-277	4	2016
DRAWING AND ANALYSIS OF ATMOSPHERIC MOISTURE FLUX CONVERGENCE (MFC) DURING THE HEAVY RAINFALL CAUSED BY PHET TROPICAL SUPER CYCLONE IN CHABAHR COASTAL REGION Y Ghavidel SPATIAL PLANNING (MODARES HUMAN SCIENCES) 15 (2), 101-118	4	2011
Application of the Man-Kendall nonparametric test in estimating temperature changes J Khoshhal Dastjerdi, Y Ghavidel Rahimi J. Geographic Space 8 (22), 21-38	4	2008
THE SIMULATION OF ATMOSPHERIC CARBON DIOXIDE DOUBLING IMPACTS ON CLIMATIC CHANGES IN TABRIZ USING GEOPHYSICAL FLUID DYNAMICS LABORATORY (GFDL) A KHOURSHIDDOUST, Y GHAVIDEL JOURNAL OF ENVIRONMENTAL STUDIES 32 (39), 1-10	4	2006
Comparison and prediction of annual temperature changes in Tabriz with temperature anomalies of the Earth using linear regression and neural	4	2005

TITLE	CITED BY	YEAR
network BV Alijani, Y Ghavidel Rahimi Journal of Geography and Development 6, 21-38		
Modeling of precipitation trend and drought prediction in Urmia Lake basin S Jahanbakhsh-Asl, Y Ghavidel Rahimi Journal of Social and Human Sciences (in Persian)	4	2003
Comparison of univariate and multivariate geographically weighted regression for estimating air temperature over Iran AA Mohammadi, C., Farajzadeh, M., M., Ghavidel, Y., Bidokhti Journal of Geosciences 11 (360), 1-16	4	
Temporal characteristics of cold waves hazard frequency in northwest of Iran and Arctic Oscillation and North Atlantic Oscillation impacts Y Ghavidel, S Motalebizad Natural Hazards 120 (5), 4941-4957	3	2024
Temporal variations in the frequency of thunderstorm days in Tabriz and its relationship with sunspots frequency and global atmospheric Co2 concentration Y Ghavidel, M Shojaei, M Farajzade Meteorology and Atmospheric Physics	3	2021
The evaluation of climate change effects on wheat yield in Iran M Farajzadeh, Y Ghavidel Rahimi, B Asadzadeh Climate Change Research 2 (6), 1-18	3	2021
A statistical survey on linking between thunderstorm frequency and teleconnection patterns in Iran Y Ghavidel, P Baghbanan, M Farajzadeh Arabian Journal of Geosciences 9 (6), 426	3	2016
Mapping and interpretation of synoptic climatology using Grads software Y Ghavidel	3	2010
High-resolution spatiotemporal analysis of drought dynamics in Iran J Mahdizadeh, Y Ghavidel, M Farajzadeh Environmental Monitoring and Assessment 197 (9), 1005	2	2025
The Reanalysis of Long Term Spatial Changes in Maximum Temperatures in Iran F Raziheh, Y Ghavidel, M Farajzadeh pure and applied geophysics	2	2023
Analysis of temporal and spatial changes of precipitation and flow rate in arid regions with a statistical approach (case study: Central Plateau catchment area of Iran) F Esvandzibaie, M Farajzadeh, Y Ghavidel International Journal of Environmental Science and Technology 19 (7), 6803-6824	2	2022
The application of extreme value analysis method in heat wave hazard climatology; case study in Mid-Southern Iran Y Ghavidel, M Farajzadeh, B Ghahramani	2	2019

TITLE	CITED BY	YEAR
Journal of Spatial Analysis Environmental hazards 6 (2), 1-17		
Identification of the Thresholds of Extreme Values and Synoptic Analysis of PM10 Pollution in the Atmosphere of Ahvaz Y Ghavidel, A Khorshiddoust, M Farajzadeh, H Pourshahbaz Pollution 3 (5), 611-621	2	2019
The Analysis of CO2 role in oscillations of Seasonal maximum temperature in Iran Y Ghavidel Rahimi, M Farajzadeh, M Salehian Journal of Geography and Planning 22 (63), 203-223	2	2018
Climatic variability of the column ozone over the Iranian plateau SS Mousavi, M Farajzadeh, YG Rahimi, AA Bidokhti Meteorology and Atmospheric Physics 129 (3), 309–320	2	2017
Application of regional climate model-RegCM4 in the Analysis of synoptic structure of July 2000 heat wave in Khuzestan Province H Zerfati, Y Ghavidel Rahimi, M Farajzadeh Asl The Journal of Spatial Planning and Geomatics 20 (3), 269-286	2	2016
The Application of Normalized Temperature Deviation (NTD) for Identification and Synoptic analysis of high extreme temperatures in south-east region of Iran RY GHAVIDEL, M REZAEI, ASLM FARAJZADEH Journal of Spatial Planning 19 (4), 123-139	2	2016
The role of North Caspian Sea Pattern (NCP) teleconnection in maximum temperatures oscillation in Iran Y Ghavidel Rahimi, M Farajzadeh Asl, D Hatami Zarneh Geography and Planning	2	2016
Analysis Time-Place Annually Thunder Storms Tehran Province M Ahmadi, RY GHAVIDEL, M Janesari Physical Geography 8 (28), 87-100	2	2015
The Statistical and Synoptic analysis of super warm temperatures in South East region of Iran Y Ghavidel, M Rezaei Arid Regions Geographic Studies 15 (4), 35-52	2	2014
THE ROLE OF NORTH SEA-CASPIAN UPPER ATMOSPHERIC TELECONNECTION PATTERN (NCP) IN TEMPORAL VARIABILITY'S OF RAINFALL IN SOTHERN COASTAL OF CASPIAN SEA Y GHAVIDEL, D HATAMI, M REZAEI JOURNAL OF GEOGRAPHICAL SCIENCES 13 (31), 29-46	2	2014
Statistical research on analyzing the oscillations and forecasting the time series of Tehran high extreme temperatures Y Ghavidel Geography and Planning 39 (16), 109-128	2	2012
THE TEMPORAL ANALYSIS AND FORECASTING MODELS OF LOW EXTREME TEMPERATURES FOR TEHRAN Y Ghavidel	2	2012

TITLE	CITED BY	YEAR
GEOGRAPHIC SPACE 12 (37), 141-157		
A Statistical Investigation on Analysis of Oscillations Trend and Forecasting of High Extreme Temperatures Time Series in Tehran Y Ghavidel Rahimi Geography and Planning	2	2012
RELATIONSHIP BETWEEN WIDESPREAD LOW EXTREME TEMPERATURES IN AZERBAIJAN AND CIRCULATION PATTERNS OF 500 HPA LEVEL IN COLD PERIOD Y Ghavidel GEOGRAPHIC SPACE 11 (35), 155-184	2	2011
THE APPLICATION OF LARGE-SCALE ATMOSPHERIC-OCEANIC PATTERNS IN THE ANALYSIS OF PRECIPITATION FLUCTUATIONS (CASE STUDY OF AHAR STATION) A KHOURSHIDDOUST, Y GHAVIDEL, K ABBASZADEH GEOGRAPHIC SPACE 10 (29), 95-128	2	2010
Forecasting of Isfahan extreme temperatures using the time series method AM KHOURSHIDDOUST, R SANIEI, Y GHAVIDEL Geograph Space, 31–48	2	2009
The Clarification of Monthly Precipitation Fluctuations in Ahar Station in relation to the Tele-connection Patterns AM Khorshiddoust, Y Ghavidel Rahimi Territory 5 (20), 65-81	2	2009
THE SIMULATION OF TABRIZ TEMPERATURE AND PRECIPITATION IN ATMOSPHERIC CARBON DIOXIDE DOUBLING CONDITION USING GODDARD INSTITUTE OF SPACE STUDIES GENERAL CIRCULATION MODEL (GISS ... B SALAHI, KH VALIZADEH, Y GHAVIDEL GEOGRAPHICAL RESEARCH QUARTERLY 39 (62), 55-66	2	2008
Application of Mann– Kendall statistical test for detection of change in temperature variations: case study: Isfahan extreme temperatures time series J Khoshhal Dastjerdi, Y Ghavidel Geograph Space (in Persian) 22 (12), 21–38	2	2008
Simulation of the effects of doubling the atmospheric carbon dioxide on Tabriz climate change using geophysical fluid dynamics laboratory model AM KHOURSHIDDOUST, Y GHAVIDEL Journal of Environment Studies 32 (39), 1–10	2	2006
Structural Analysis and Regime Shift of Drought in Iran Using a Three-Dimensional Clustering Approach J Mahdizadeh Soula, Y Ghavidel Rahimi, M Farajzadeh Journal of Geography and Environmental Hazards 14 (3), 93-115	1	2025

TITLE	CITED BY	YEAR
Paleoclimatology of Fellaw Lake Area_ Iraq: A review N Jameel Khalid, M Farajzadeh, Y Ghavidel Rahimi, M Shah Hosseini Sustainable Earth Trends 4 (3), 1-18	1	2024
Reanalyzing the trend of long-term spatial changes in the minimum temperature of Iran R Fanaei, Y Ghavidel, M Farajzadeh Geography and Environmental Sustainability 11 (4), 1-17	1	2021
Validating MODIS Cloud Mask Based on a Regional Cloud Mask of AVHRR E Ghasemifar, M Farajzadeh Asl, Y Ghavidel Rahimi, ... Physical Geography Research 51 (3), 447-468	1	2019
Air temperature estimation based on environmental parameters using remote sensing data C Mohammadi, M Farajzadeh, YG Rahimi, AAA Bidokhti Journal of Applied Researches in Geographical Sciences 18 (48), 131-152	1	2018
The Properties of Tropical Storm Hazards in Southeast Costs of Iran RY GHAVIDEL, E Abbasi, M Farajzadeh Journal of Spatial Planning 21 (1), 279-294	1	2017
The artic oscillation (AO) and its role on of wintertime monthly minimum temperatures variability in northeastern region of Iran RY GHAVIDEL, ASLM FARAJZADEH, M HATAMIKIA JOURNAL OF GEOGRAPHICAL SCIENCES 16 (42), 41-58	1	2016
The synoptic analysis of ozone mini-hole events over central Iran (Esfahan) M Farajzadeh, RY GHAVIDEL, BAA ALIAKBARI, S MOOSAVI Journal of the Earth and Space Physics 42 (3), 673-686	1	2016
Spatiotemporal analysis of carbon dixoid impact on seasonal rainfall oscillation in Iran Y Ghavidel Rahimi, M Tolabi Nejad, M Farajzadeh Asl Natural Environment Change 2 (1), 47-55	1	2016
Analysis of the dynamism and Hazards of Nilofar Tropical Storm Y Ghavidel Rahimi, E Abbasi, M Farajzadehasl Environmental Management Hazards 2 (1), 21-34	1	2015
An Analysis of Super Heat wave Climatic Hazard Occurred in 2010 Summer in Khuzestan Province Y Ghavidel Geography and Planning 19 (51), 289-309	1	2015
Statistical analysis of relationships between monthly maximum temperatures in Iran and global mean land-ocean temperature anomalies RY GHAVIDEL, ASLM FARAJZADEH, M ALIJAHAN JOURNAL OF GEOGRAPHICAL SCIENCES 15 (36), 181-203	1	2015
Place Identity and its Perception with a Geosystem Approach MH Ramesht, M Sharifi, M Rafieian, Y Ghavidel 4-1, (2) 24 جغرافیا و برنامه‌ریزی محیطی	1	2013

TITLE	CITED BY	YEAR
<p>A QUERY ON THE SEVERITY OF WINTER CLIMATE IN TABRIZ AND ITS RELATIONSHIP WITH ARCTIC OSCILLATIONS</p> <p>Y GHAVIDEL, J KHOUSHHAL SPATIAL PLANNING (MODARES HUMAN SCIENCES) 14 (65), 179-196</p>	1	2010
<p>THE STATISTICAL DETECTION OF THE GLOBAL WARMING IMPACT ON FLUCTUATIONS OF ANNUAL PRECIPITATION IN JOLFA STATION USING ARTIFICIAL NEURAL NETWORKS</p> <p>Y Ghavidel Journal of Geography and Environmental Planning 2 (21), 65-82</p>	1	2010
<p>THE DETERMINATION OF DROUGHT THRESHOLD AND COMPUTATION OF DEPENDABLE RAINFALL RATE FOR STATIONS OF URMIA LAKE DRAINAGE BASIN</p> <p>M ZAHEDI, Y GHAVIDEL GEOGRAPHICAL RESEARCH QUARTERLY 39 (57), 21-34</p>	1	2007
<p>THE EVALUATION OF THE EFFECT OF ENSO FEATURE ON VARIABILITY OF SEASONAL PRECIPITATION IN EASTERN AZERBAIJAN PROVINCE USING MULTIVARIATE ENSO INDEX (MEI)</p> <p>A KHOURSHIDDOUST, Y GHAVIDEL GEOGRAPHICAL RESEARCH QUARTERLY 38 (57), 15-26</p>	1	2006
<p>Comparison of Tabriz annual temperature variations with the global temperature anomalies using the linear regression and neural network</p> <p>B ALIJANI, Y GHAVIDEL GEOGRAPHY AND DEVELOPMENT 3 (6), 21-38</p>	1	2006
<p>Non-stationary frequency assessment of return levels and percentiles changes of extreme rainfall under climate change in Iran</p> <p>M Razi Ghalavand, M Farajzadeh, Y Ghavidel Rahimi International Journal of Environmental Science and Technology 23 (5), 394</p>		2026
<p>Trend Assessment and Correlation Analysis of Thermal Indices, Snow Depth, and NDSI Across Elevational Gradient in the Alborz Mountain Range</p> <p>YGR Bayan Khaledi, Manuchehr Farajzadeh Geographies 6 (2), 42</p>		2026
<p>Accuracy Assessment of CMORPH and GPCP Satellite Precipitation Products Across Iran</p> <p>YG Mohammad Ramyar Yousefnezhad, Manuchehr Farajzadeh Climate 14 (4), 82</p>		2026
<p>Analysis of the temperature climate pattern of Tabriz city under climate change conditions</p> <p>F Mazlomi Maraghi, M Farajzadeh, Y Ghavidel Rahimi The future of environmental research and sustainable development, e733713</p>		2026
<p>The Spatial and Temporal Distribution Patterns of XCH₄ in Iran: New Insights from TROPOMI Observations</p> <p>A Rahimi, M Farajzadeh, Y Ghavidel, C Karoff EGU sphere 2025, 1-20</p>		2025

TITLE	CITED BY	YEAR
Remote Sensing Approaches for Methane Greenhouse Gas Monitoring: A Review of Satellite and Airborne Techniques A Rahimi, M Farajzadeh, Y Ghavidel Rahimi Iranian Journal of Remote Sensing and GIS		2025
Synoptic analysis of the most severe and widespread extreme cold wave hazard in Iran TS Pak, Y Ghavidel, M Farajzadeh Natural Hazards 121 (9), 11151-11172		2025
Nonstationary analysis of extreme precipitation related to temperature M Razi, M Farajzadeh, Y Ghavidel Rahimi Journal of Climate Research 1402 (56), 95-112		2024
Reanalysis of 500 hP patterns generating temperatures above 50° C in West Asia H Zerafati, Y Ghavidel, M Farajzadeh Journal of Applied Researches in Geographical Sciences 24 (72), 427-446		2024
Assessing the risk of mortality caused by heat stress in Iran's metropolises F Almasi, M Farajzadeh, Y Ghavidel Rahimi Journal of Natural Environmental Hazards 12 (38), 131-148		2023
Analysis of long-term monthly changes in lethal temperatures above 50Â° C in the Northern Hemisphere Y Ghavidel, M Karzani, M Farajzadeh The Journal of Spatial Planning and Geomatics 27 (2), 106-124		2023
Sensitivity analysis of rivers in arid regions to changes in atmospheric elements under climate change conditions Case study: Central catchment area of Iran F Esvandzibaie, M Farajzadeh Asl, Y Ghavidel Physical Geography Quarterly 15 (55), 1-23		2022
Temporal and spatial variations in the severity of pervasive and short-lived droughts in the West Asian region F Sadeghi, Y Ghavidel, M Farajzadeh Geography 20 (73), 99-118		2022
Correction to: Analysis of spatiotemporal variations of cloud fraction based on geographic characteristics over Iran. E Ghasemifar, M Farajzadeh, MC Perry, YG Rahimi, AA Bidokhti Theoretical and Applied Climatology 134 (3-4), 1447-1449		2018
Spatiotemporal Reconstruction and analysis of under-15 Degree Celsius Extreme Temperature in Iran M Aalijahan, B Salahi, Y Ghavidel Rahimi, M Farajzadeh Asl University of Mohaghegh Ardabili		2018
Climatic geography of Tropical Cyclone hazards Affective on the southern coasts of Iran Y Ghavidel, E Abbasi, M Farajzadeh Journal of Spatial Analysis Environmental Hazards 5 (1), 97-112		2018

TITLE	CITED BY	YEAR
<p>AN EVALUATION OF SINGLE-SITE AND MULTI-SITE STATISTICAL DOWNSCALING OF SDSM-DC IN TERMS OF INDICES OF CLIMATE EXTREMES (CASE STUDY: MIDWEST OF IRAN)</p> <p>M FARAJZADEH, R OJI, Y GHAVIDEL, BA MASSAH Journal of the Earth and Space Physics 43 (1), 193-208</p>		2017
<p>Identifying the Climatic Factors Affecting the Prevalence of Cutaneous Leishmaniosis in Ilam Province, Iran, Using Satellite Imagery</p> <p>M Farajzadeh, S Gholamy, Y Ghavidel Hakim Journal 19 (3), 152-162</p>		2016
<p>Spatial modeling of apple produce with a climatic approach</p> <p>M Farajzadeh, N Sharifi The Journal of Spatial Planning and Geomatics 20 (1), 127-148</p>		2016
<p>Application of remote sensing products to identification of critical regions resulted from monthly extreme temperatures</p> <p>M Rezaei, E Ghasemifar, Y Ghavidel Rahimi Physical Geography Quarterly 8 (30), 89-98</p>		2016
<p>STATISTICAL AND SYNOPTIC ANALYSIS OF COLD WAVES IN NORTH WEST OF IRAN</p> <p>RY GHAVIDEL, S MOTALEBIZAD, ASLM FARAJZADEH JOURNAL OF GEOGRAPHICAL SCIENCES 16 (40), 0-0</p>		2016
<p>Analysis of the dynamism and hazards of tropical cyclone Nilofar</p> <p>RY GHAVIDEL, E ABBASI, ASLM FARAJZADEH ENVIRONMENTAL HAZARDS MANAGEMENT 2 (1), 21-34</p>		2015
<p>The Trend of Changes in Temporal trend of Thunderstorms Hazards in Iran</p> <p>RY GHAVIDEL, P Baghbanan, ASLM FARAJZADEH Journal of Spatial Planning 19 (2), 185-209</p>		2015
<p>AN EVALUATION OF DETERMINISTIC AND GEOSTATISTICS INTERPOLATION MODELS TO PRECIPITATION REGIONALIZATION IN ARDEBIL PROVINCE</p> <p>Y GHAVIDEL, M ALIJAHAN, R OJI GEOGRAPHIC SPACE 15 (50), 209-231</p>		2015
<p>Analyzing the Variations of Ultra Violet in Esfahan Area</p> <p>M Farajzadeh, Y Ghavidel Rahimi, M ArdeshiriKalhor Journal of Spatial Analysis Environmental hazards 1 (2), 93-105</p>		2014
<p>Resources and Dynamism of Moisture Transportation in occurrence of Heavy Rainfalls in Iran oceanic coastal zones at Gonu Storm</p> <p>Y Ghavidel, M Farajzadeh Asl, S Kakapour Geographical Space 13 (44), 111-133</p>		2014
<p>The Statistical Detecting of Sulfur Hexafluoride and Nitrous Oxide Effect on Seasonal Rainfalls in Iran During Recent Decade</p> <p>Y Ghavidel Rahimi, M Tolabi Nejad, M Farajzadeh Geography and Environmental Sustainability 3 (4), 23-32</p>		2014

TITLE	CITED BY	YEAR
Investigation on North Sea-Caspian sea teleconnection pattern effect on autumn precipitation fluctuations in West and Northwest Regional of Iran YG Rahimi, M Farajzadeh, S Kakapor J Geogr Plan 18, 217-230		2014
Synoptic analysis of 24-25 April 2010 Thunder Rainstorms in Tabriz Y Ghavidel Geography and Planning 42 (16), 223-238		2013
Statistical Analysis of temporal oscillations of total ozone rate in Isfahan Atmosphere Y Ghavidel, AA Vali, A Moohammad Khorshiddoust Geography and Planning 41 (16), 237-250		2012
Identification and analyzing of the widespread low extreme temperatures in North West Region of Iran M Ahmadi, Y Ghavidel Researces in Earath Sciences 6 (2), 77-92		2011
Identification and analyzing of the widespread low extreme temperatures in north west region of Iran, by using NTD method M AHMADI, RY GHAVIDEL Researches in Earth Sciences 2 (6), 92-77		2011
نگاشت و تفسیر سینوپتیک اقلیم با استفاده از نرم افزار Grads یوسف قویدل رحیمی انتشارات سپا دانش		2010
SYNOPTIC REGIONALIZATION OF TEMPERATURE IN THE CASPIAN SEA REGION USING THERMODYNAMIC VARIABLES OF UP-LEVEL ATMOSPHERE Y GHAVIDEL, H NORRY, T YASARI SPATIAL PLANNING (MODARES HUMAN SCIENCES) 14 (2), 217-232		2010
THE PREDICTION OF EXTREME TEMPERATURES OF ESFAHAN USING TIME SERIES METHOD A KHOURSHIDDOUST, R SANIEI, Y GHAVIDEL GEOGRAPHIC SPACE 9 (26), 31-48		2009
AN INVESTIGATION ON THE RELATIONSHIP BETWEEN THE PRECIPITATION VARIATIONS IN TABRIZ WITH THE GLOBAL TEMPERATURE ANOMALIES AND ITS NUMERICAL SIMULATION USING THE ARTIFICIAL ... J KHOUSHHAL, Y GHAVIDEL MODARRES HUMAN SCIENCES 12 (57), 29-51		2008
An Investigation on the Relationship between the Precipitation Variations in Tabriz with the Global Temperature Anomalies and its Numerical Simulation Using the Artificial ... J Khoshhal Dastjerd, Y Ghavidel Rahimi The Journal of Spatial Planning and Geomatics 12 (1), 29-51		2008
PREDICTION MODEL FOR ANZALI PRECIPITATION BY USING UPPER LEVELS DYNAMIC AND THERMODYNAMIC VARIABLES IN		2008

TITLE	CITED BY	YEAR
CASPIAN SEA H NOURI, T YASARI, Y GHAVIDEL, B MOHAMMADI GEOGRAPHICAL RESEARCH 23 (89), 47-61		
DETERMINATION OF CLIMATIC POTENTIAL OF EAST AZERBAIJAN PROVINCE FOR RAINFED ALMOND USING GIS B SALAHI, KKH VALIZADEH, Y GHAVIDEL GEOGRAPHICAL RESEARCH QUARTERLY 39 (62), 55-66		2008
THE GAIA THEORY AND CONFIGURATION OF NEW PERSPECTIVES IN ENVIRONMENTAL SCIENCES Y Ghavidel JOURNAL OF ENVIRONMENTAL STUDIES 33 (41), 55-68		2007
The Application of Digital Atmosphere 2000 Software in Spatial Analysis of Climatic Features in Iran MA Khorshid-Doost, Y Ghavidel Territory 3 (12), 50-60		2007
Variability A case study: El Nino and La Niña impacts on spring precipitation changeability in East Azerbaijan Province Y Ghavidel Rahimi The Journal of Spatial Planning and Geomatics 9 (2), 71-88		2006
THE IMPACT OF EL NINO-SOUTHERN OSCILLATION (ENSO) LARGE SCALE ATMOSPHERIC-OCEANIC CIRCULATION PATTERN ON INTER SEASONAL CLIMATE VARIABILITY A CASE STUDY: EL NINO AND LA NINA ... Y Ghavidel MODARRES HUMAN SCIENCES 9 (4), 117-132		2006
THE STUDY OF PRECIPITATION FLUCTUATIONS AND THE DETERMINATION AND PREDICTION OF DRY AND WET SEASONS OF WINTER IN EAST AZERBAIJAN A KHOURSHIDDOUST, Y GHAVIDEL GEOGRAPHICAL RESEARCH 19 (72), 25-36		2004
Non-Stationary Frequency Assessment of Return Levels and Percentiles Changes of Extreme Rainfall Under Climate Change MR Ghalavand, M Farajzadeh, YG Rahimi Available at SSRN 5250028		
High-resolution spatiotemporal analysis of drought dynamics in Iran J Mahdizade sola, Y Ghavidel, F M Environmental Monitoring and Assessment 197 (9), 1-23		
The assessment of Iran Monthly and seasonal Mean Temperatures sensitivity to Global land-Oceans mean Temperature index G Yousef, F Manuchehr, M Alijahan Geographical Space 17 (58), 25-47		
Manouchehr Farajzadeh Asl 2015. Changes in Temporal trend of Thunderstorms in Iran Y Ghavidel Rahimi, P Baghbanian Journal of Spatial Planning 19 (2), 209-185		

TITLE

CITED BY

YEAR

GEOGRAPHY, CULTURE AND SOCIETY FOR OUR FUTURE EARTH

M FARA, A ADEH, YG RAHIMI, MA KALHOR