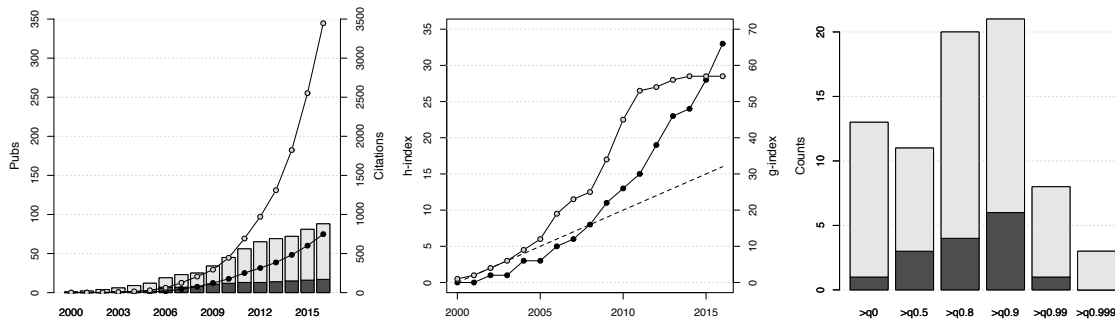


BEGUERIA, SANTIAGO

sbegueria

Indicators



Publications (total)	Pubs. (as lead author)	Years	Pubs. per year
88	17	16	5.5
Citations (total)	Citations per year	Citations per pub	Citations (highest pub)
3472	217	39.45	616
h-index	h-index per year	g-index	g-index per year
33	2.06	57	3.56
Pubs >q0.9	Pubs >q0.9 (as lead)	i-score	i-score (as lead)
32	7	4145	187

Publication list

- Quijano, Laura; **Begueria, Santiago**; Gaspar, Leticia; Navas, Ana. Estimating Erosion Rates using Cs-137 Measurements and Watem/Sedem in a Mediterranean Cultivated Field. *CATENA* 138: 38–51. 2016. (cit: 0; > q0) ,
- Vicente-Serrano, Sergio M.; Azorin-Molina, Cesar; Sanchez-Lorenzo, Arturo; El Kenawy, Ahmed; Martin-Hernandez, Natalia; Pena-Gallardo, Marina; **Begueria, Santiago**; Tomas-Burguera, Miquel. Recent Changes and Drivers of the Atmospheric Evaporative Demand in the Canary Islands. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 20(8): 3393–3410. 2016. (cit: 0; > q0) ,
- Garcia-Ruiz, Jose M.; Sanjuan, Yasmina; Gil-Romera, Graciela; Gonzalez-Samperiz, Penelope; **Begueria, Santiago**; Arnaez, Jose; Coba-Perez, Paz; Gomez-Villar, Amelia; Alvarez-Martinez, Javier; Lana-Renault, Noemi; Perez-Cardiel, Estela; Lopez de Calle, Carlos. Mid and Late

- Holocene Forest Fires and Deforestation in the Subalpine Belt of the Iberian Range, Northern Spain. *JOURNAL OF MOUNTAIN SCIENCE* 13(10): 1760–1772. 2016. (cit: 0; > q0) ,
4. Angulo-Martinez, M.; **Begueria, S.**; Kysely, J. Use of Disdrometer Data to Evaluate the Relationship of Rainfall Kinetic Energy and Intensity (Ke-i). *SCIENCE OF THE TOTAL ENVIRONMENT* 568: 83–94. 2016. (cit: 0; > q0) ,
 5. Vicente-Serrano, S. M.; **Begueria, S.** Comment on 'Candidate Distributions for Climatological Drought Indices (Spi and Spei)' by James H. Stagge et al.. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 36(4): 2120–2131. 2016. (cit: 2; > q0.9) ,
 6. **Begueria, Santiago**; Vicente-Serrano, Sergio M.; Tomas-Burguera, Miquel; Maneta, Marco. Bias in the Variance of Gridded Data Sets Leads to Misleading Conclusions About Changes in Climate Variability. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 36(9): 3413–3422. 2016. (cit: 2; > q0.9) ,
 7. Panagos, Panos; Borrelli, Pasquale; Spinoni, Jonathan; Ballabio, Cristiano; Meusburger, Katrin; **Begueria, Santiago**; Klik, Andreas; Michaelides, Silas; Petan, Saso; Hrabalikova, Michaela; Olsen, Preben; Aalto, Juha; Lakatos, Monika; Rymaszewicz, Anna; Dumitrescu, Alexandru; Tadic, Melita Percec; Diodato, Nazzareno; Kostalova, Julia; Rousseva, Svetla; Banasik, Kazimierz; Alewell, Christine. Monthly Rainfall Erosivity: Conversion Factors for Different Time Resolutions and Regional Assessments. *WATER* 8(4): 119. 2016. (cit: 4; > q0.99) ,
 8. Gassner, Christine; Promper, Catrin; **Begueria, Santiago**; Glade, Thomas. Climate Change Impact for Spatial Landslide Susceptibility. *ENGINEERING GEOLOGY FOR SOCIETY AND TERRITORY, VOL 1: CLIMATE CHANGE AND ENGINEERING GEOLOGY* : 429–433. 2015. (cit: 0; > q0) ,
 9. Panagos, Panos; Meusburger, Katrin; Ballabio, Cristiano; Borrelli, Pasquale; **Begueria, Santiago**; Klik, Andreas; Rymaszewicz, Anna; Michaelides, Silas; Olsen, Preben; Tadic, Melita Percec; Aalto, Juha; Lakatos, Monika; Dumitrescu, Alexandru; Rousseva, Svetla; Montanarella, Luca; Alewell, Christine. Reply to the Comment on Rainfall Erosivity in Europe by Auerswald et al.. *SCIENCE OF THE TOTAL ENVIRONMENT* 532: 853–857. 2015. (cit: 4; > q0.8) ,
 10. Julio Camarero, J.; Maria Garcia-Ruiz, Jose; Sanguesa-Barreda, Gabriel; Galvan, Juan Diego; Alla, Arben Q.; Sanjuan, Yasmina; **Begueria, Santiago**; Gutierrez, Emilia. Recent and Intense Dynamics in a Formerly Static Pyrenean Treeline. *ARCTIC ANTARCTIC AND ALPINE RESEARCH* 47(4): 773–783. 2015. (cit: 4; > q0.8) ,
 11. **Begueria, Santiago**; Angulo-Martinez, Marta; Gaspar, Leticia; Navas, Ana. Detachment of Soil Organic Carbon by Rainfall Splash: Experimental Assessment on Three Agricultural Soils of Spain. *GEODERMA* 245: 21–30. 2015. (cit: 7; > q0.9) ,
 12. Pilar Serrano-Muela, Maria; Nadal-Romero, Estela; Lana-Renault, Noemi; Carlos Gonzalez-Hidalgo, Jose; Ignacio Lopez-Moreno, Juan; **Begueria, Santiago**; Sanjuan, Yasmina; Maria Garcia-Ruiz, Jose. An Exceptional Rainfall Event in the Central Western Pyrenees: Spatial Patterns in Discharge and Impact. *LAND DEGRADATION & DEVELOPMENT* 26(3): 249–262. 2015. (cit: 12; > q0.9) ,
 13. Vicente-Serrano, Sergio M.; Cabello, Daniel; Tomas-Burguera, Miquel; Martin-Hernandez, Natalia; **Begueria, Santiago**; Azorin-Molina, Cesar; El Kenawy, Ahmed. Drought Variability and Land Degradation in Semiarid Regions: Assessment using Remote Sensing Data and Drought Indices (1982–2011). *REMOTE SENSING* 7(4): 4391–4423. 2015. (cit: 14; > q0.99) ,
 14. Garcia-Ruiz, Jose M.; **Begueria, Santiago**; Nadal-Romero, Estela; Gonzalez-Hidalgo, Jose C.; Lana-Renault, Noemi; Sanjuan, Yasmina. a Meta-Analysis of Soil Erosion Rates Across the World. *GEOMORPHOLOGY* 239: 160–173. 2015. (cit: 15; > q0.99) ,

15. Vicente-Serrano, Sergio M.; Van der Schrier, Gerard; **Begueria, Santiago**; Azorin-Molina, Cesar; Lopez-Moreno, Juan-I. Contribution of Precipitation and Reference Evapotranspiration to Drought Indices under Different Climates. *JOURNAL OF HYDROLOGY* 526: 42–54. 2015. (cit: 19; > $q_{0.99}$) ,
16. Panagos, Panos; Ballabio, Cristiano; Borrelli, Pasquale; Meusburger, Katrin; Klik, Andreas; Rousseva, Svetla; Tadic, Melita Percec; Michaelides, Silas; Hrabalikova, Michaela; Olsen, Preben; Aalto, Juha; Lakatos, Monika; Rymaszewicz, Anna; Dumitrescu, Alexandru; **Begueria, Santiago**; Alewell, Christine. Rainfall Erosivity in Europe. *SCIENCE OF THE TOTAL ENVIRONMENT* 511: 801–814. 2015. (cit: 41; > $q_{0.999}$) ,
17. Sanchez Burillo, Guillermo; **Begueria, Santiago**; Latorre, Borja; Burguete, Javier. Numerical Treatment of the Resistance Term in Upwind Schemes in Debris Flow Runout Modeling. *JOURNAL OF HYDRAULIC ENGINEERING* 140(5). 2014. (cit: 0; > q_0) ,
18. Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan-I; **Begueria, Santiago**; Lorenzo-Lacruz, Jorge; Sanchez-Lorenzo, Arturo; Garcia-Ruiz, Jose M.; Azorin-Molina, Cesar; Moran-Tejeda, Enrique; Revuelto, Jesus; Trigo, Ricardo; Coelho, Fatima; Espejo, Francisco. Evidence of Increasing Drought Severity Caused by Temperature Rise in Southern Europe. *ENVIRONMENTAL RESEARCH LETTERS* 9(4): 044001. 2014. (cit: 44; > $q_{0.99}$) ,
19. **Begueria, Santiago**; Vicente-Serrano, Sergio M.; Reig, Fergus; Latorre, Borja. Standardized Precipitation Evapotranspiration Index (Spei) Revisited: Parameter Fitting, Evapotranspiration Models, Tools, Datasets and Drought Monitoring. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 34(10): 3001–3023. 2014. (cit: 54; > $q_{0.99}$) ,
20. **Begueria, S.**; Spanu, V.; Navas, A.; Machin, J.; Angulo-Martinez, M. Modeling the Spatial Distribution of Soil Properties by Generalized Least Squares Regression: Toward a General Theory of Spatial Variates. *JOURNAL OF SOIL AND WATER CONSERVATION* 68(3): 172–184. 2013. (cit: 5; > $q_{0.5}$) ,
21. Lopez-Moreno, J. I.; Vicente-Serrano, S. M.; Zabalza, J.; **Begueria, S.**; Lorenzo-Lacruz, J.; Azorin-Molina, C.; Moran-Tejeda, E. Hydrological Response to Climate Variability at Different Time Scales: a Study in the Ebro Basin. *JOURNAL OF HYDROLOGY* 477: 175–188. 2013. (cit: 25; > $q_{0.9}$) ,
22. Garcia-Ruiz, Jose M.; Nadal-Romero, Estela; Lana-Renault, Noemi; **Begueria, Santiago**. Erosion in Mediterranean Landscapes: Changes and Future Challenges. *GEOMORPHOLOGY* 198: 20–36. 2013. (cit: 40; > $q_{0.9}$) ,
23. Vicente-Serrano, Sergio M.; Gouveia, Celia; Julio Camarero, Jesus; **Begueria, Santiago**; Trigo, Ricardo; Lopez-Moreno, Juan I.; Azorin-Molina, Cesar; Pasho, Edmond; Lorenzo-Lacruz, Jorge; Revuelto, Jesus; Moran-Tejeda, Enrique; Sanchez-Lorenzo, Arturo. Response of Vegetation to Drought Time-Scales Across Global Land Biomes. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA* 110(1): 52–57. 2013. (cit: 137; > $q_{0.999}$) ,
24. Molinari, Monia Elisa; Cannata, Massimiliano; **Begueria, Santiago**; Ambrosi, Christian. Gis-Based Calibration of Massmov2d. *TRANSACTIONS IN GIS* 16(2): 215–231. 2012. (cit: 1; > q_0) ,
25. Angulo-Martinez, M.; **Begueria, S.** Trends in Rainfall Erosivity in Ne Spain at Annual, Seasonal and Daily Scales, 1955-2006. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 16(10): 3551–3559. 2012. (cit: 5; > q_0) ,

26. Angulo-Martinez, Marta; **Begueria, Santiago**. Do Atmospheric Teleconnection Patterns Influence Rainfall Erosivity? a Study of Nao, Mo and Wemo in Ne Spain, 1955-2006. *JOURNAL OF HYDROLOGY* 450: 168–179. 2012. (cit: 8; > q0.5) ,
27. Angulo-Martinez, M.; **Begueria, S.**; Navas, A.; Machin, J. Splash Erosion under Natural Rainfall on Three Soil Types in Ne Spain. *GEOMORPHOLOGY* 175: 38–44. 2012. (cit: 10; > q0.5) ,
28. Kysely, Jan; **Begueria, Santiago**; Beranova, Romana; Gaal, Ladislav; Ignacio Lopez-Moreno, Juan. Different Patterns of Climate Change Scenarios for Short-Term and Multi-Day Precipitation Extremes in the Mediterranean. *GLOBAL AND PLANETARY CHANGE* 98-99: 63–72. 2012. (cit: 18; > q0.8) ,
29. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Gimeno, Luis; Eklundh, Lars; Giuliani, Gregory; Weston, Derek; El Kenawy, Ahmed; Lopez-Moreno, Juan I.; Nieto, Raquel; Ayenew, Tenalem; Konte, Diawoye; Ardo, Jonas; Pegram, Geoffrey G. S. Challenges for Drought Mitigation in Africa: The Potential Use of Geospatial Data and Drought Information Systems. *APPLIED GEOGRAPHY* 34: 471–486. 2012. (cit: 20; > q0.8) ,
30. Alatorre, L. C.; **Begueria, S.**; Lana-Renault, N.; Navas, A.; Garcia-Ruiz, J. M. Soil Erosion and Sediment Delivery in a Mountain Catchment under Scenarios of Land Use Change using a Spatially Distributed Numerical Model. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 16(5): 1321–1334. 2012. (cit: 24; > q0.9) ,
31. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Lorenzo-Lacruz, Jorge; Julio Camarero, Jesus; Lopez-Moreno, Juan I.; Azorin-Molina, Cesar; Revuelto, Jesus; Moran-Tejeda, Enrique; Sanchez-Lorenzo, Arturo. Performance of Drought Indices for Ecological, Agricultural, and Hydrological Applications. *EARTH INTERACTIONS* 16: 10. 2012. (cit: 27; > q0.9) ,
32. Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan I.; **Begueria, Santiago**; Lorenzo-Lacruz, Jorge; Azorin-Molina, Cesar; Moran-Tejeda, Enrique. Accurate Computation of a Streamflow Drought Index. *JOURNAL OF HYDROLOGIC ENGINEERING* 17(2): 318–332. 2012. (cit: 50; > q0.9) ,
33. Angulo-Martinez, Marta; **Begueria, Santiago**. Evaluation of the Relationship Between the Nao and Rainfall Erosivity in Ne Spain During the Period 1955-2006. *HYDROLOGICAL, SOCIOECONOMIC AND ECOLOGICAL IMPACTS OF THE NORTH ATLANTIC OSCILLATION IN THE MEDITERRANEAN REGION* 46: 183–197. 2011. (cit: 1; > q0) ,
34. Alatorre, L. C.; **Begueria, S.**; Vicente-Serrano, S. Evolution of Vegetation Activity on Vegetated, Eroded, and Erosion Risk Areas in the Central Spanish Pyrenees, using Multitemporal Landsat Imagery. *EARTH SURFACE PROCESSES AND LANDFORMS* 36(3): 309–319. 2011. (cit: 6; > q0) ,
35. Alatorre, Luis C.; Sanchez-Andres, Raquel; Cirujano, Santos; **Begueria, Santiago**; Sanchez-Carrillo, Salvador. Identification of Mangrove Areas by Remote Sensing: The Roc Curve Technique Applied to the Northwestern Mexico Coastal Zone using Landsat Imagery. *REMOTE SENSING* 3(8): 1568–1583. 2011. (cit: 13; > q0.5) ,
36. Lopez-Moreno, J. I.; Fassnacht, S. R.; **Begueria, S.**; Latron, J. B. P. Variability of Snow Depth at the Plot Scale: Implications for Mean Depth Estimation and Sampling Strategies. *CRYOSPHERE* 5(3): 617–629. 2011. (cit: 16; > q0.5) ,
37. Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan I.; Lorenzo-Lacruz, Jorge; El Kenawy, Ahmed; Azorin-Molina, Cesar; Moran-Tejeda, Enrique; Pasho, Edmond; Zabalza, Javier; **Begueria, Santiago**; Angulo-Martinez, Marta. The Nao Impact on Droughts in the Mediterranean Region.

- HYDROLOGICAL, SOCIOECONOMIC AND ECOLOGICAL IMPACTS OF THE NORTH ATLANTIC OSCILLATION IN THE MEDITERRANEAN REGION* 46: 23–+. 2011. (cit: 23; > q0.8) ,
38. Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan I.; Gimeno, Luis; Nieto, Raquel; Moran-Tejeda, Enrique; Lorenzo-Lacruz, Jorge; **Begueria, Santiago**; Azorin-Molina, Cesar. a Multi-scalar Global Evaluation of the Impact of Enso on Droughts. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES* 116: D20109. 2011. (cit: 26; > q0.8) ,
 39. Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan I.; Drumond, Anita; Gimeno, Luis; Nieto, Raquel; Moran-Tejeda, Enrique; Lorenzo-Lacruz, Jorge; **Begueria, Santiago**; Zabalza, Javier. Effects of Warming Processes on Droughts and Water Resources in the Nw Iberian Peninsula (1930-2006). *CLIMATE RESEARCH* 48(2-3): 203–212. 2011. (cit: 28; > q0.8) ,
 40. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Lopez-Moreno, Juan I. Comment on Characteristics and Trends in Various Forms of the Palmer Drought Severity Index (Pdsi) During 1900-2008 by Aiguo Dai. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES* 116: D19112. 2011. (cit: 29; > q0.8) ,
 41. **Begueria, Santiago**; Angulo-Martinez, Marta; Vicente-Serrano, Sergio M.; Ignacio Lopez-Moreno, J.; El-Kenawy, Ahmed. Assessing Trends in Extreme Precipitation Events Intensity and Magnitude using Non-Stationary Peaks-over-Threshold Analysis: a Case Study in Northeast Spain from 1930 to 2006. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 31(14): 2102–2114. 2011. (cit: 35; > q0.9) ,
 42. Vicente-Serrano, Sergio M.; Trigo, Ricardo M.; Lopez-Moreno, Juan I.; Liberato, Margarida L. R.; Lorenzo-Lacruz, Jorge; **Begueria, Santiago**; Moran-Tejeda, Enrique; El Kenawy, Ahmed. Extreme Winter Precipitation in the Iberian Peninsula in 2010: Anomalies, Driving Mechanisms and Future Projections. *CLIMATE RESEARCH* 46(1): 51–65. 2011. (cit: 52; > q0.9) ,
 43. Garcia-Ruiz, Jose M.; Ignacio Lopez-Moreno, J.; Vicente-Serrano, Sergio M.; Lasanta-Martinez, Teodoro; **Begueria, Santiago**. Mediterranean Water Resources in a Global Change Scenario. *EARTH-SCIENCE REVIEWS* 105(3-4): 121–139. 2011. (cit: 193; > q0.99) ,
 44. Alatorre, L. C.; **Begueria, S.** Analysis of Spatial and Temporal Evolution of the Ndvi on Vegetated and Degraded Areas in the Central Spanish Pyrenees. *100 YEARS ISPRS ADVANCING REMOTE SENSING SCIENCE, PT 1* 38: 7–12. 2010. (cit: 0; > q0) ,
 45. Vicente-Serrano, S. M.; Lopez-Moreno, J. I.; Vega-Rodriguez, M. I.; **Begueria, S.**; Cuadrat, Jose M. Comparison of Regression Techniques for Mapping Fog Frequency: Application to the Aragon Region (Northeast Spain). *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 30(6): 935–945. 2010. (cit: 4; > q0) ,
 46. Garcia-Ruiz, Jose M.; **Begueria, Santiago**; Carlos Alatorre, Luis; Puigdefabregas, Juan. Land Cover Changes and Shallow Landsliding in the Spanish Pyrenees. *GEOMORPHOLOGY* 124(3-4): 250–259. 2010. (cit: 17; > q0.5) ,
 47. Garcia-Ruiz, Jose M.; Lana-Renault, Noemi; **Begueria, Santiago**; Lasanta, Teodoro; Regues, David; Nadal-Romero, Estela; Serrano-Muela, Pilar; Lopez-Moreno, Juan I.; Alvera, Bernardo; Marti-Bono, Carlos; Alatorre, Luis C. From Plot to Regional Scales: Interactions of Slope and Catchment Hydrological and Geomorphic Processes in the Spanish Pyrenees. *GEOMORPHOLOGY* 120(3-4): 248–257. 2010. (cit: 30; > q0.8) ,
 48. Alatorre, L. C.; **Begueria, S.**; Garcia-Ruiz, J. M. Regional Scale Modeling of Hillslope Sediment Delivery: a Case Study in the Barasona Reservoir Watershed (Spain) using Watem/Sedem. *JOURNAL OF HYDROLOGY* 391(1-2): 111–125. 2010. (cit: 39; > q0.9) ,

49. **Begueria, Santiago**; Vicente-Serrano, Sergio M.; Angulo-Martinez, Marta. a Multiscalar Global Drought Dataset: The Speibase a New Gridded Product for the Analysis of Drought Variability and Impacts. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY* 91(10): 1351–1354. 2010. (cit: 43; > q0.9) ,
50. Lopez-Moreno, J. I.; Vicente-Serrano, S. M.; Angulo-Martinez, M.; **Begueria, S.**; Kenawy, A. Trends in Daily Precipitation on the Northeastern Iberian Peninsula, 1955–2006. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 30(7): 1026–1041. 2010. (cit: 47; > q0.9) ,
51. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Lopez-Moreno, Juan I.; Garcia-Vera, Miguel A.; Stepanek, Petr. a Complete Daily Precipitation Database for Northeast Spain: Reconstruction, Quality Control, and Homogeneity. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 30(8): 1146–1163. 2010. (cit: 47; > q0.9) ,
52. Lorenzo-Lacruz, J.; Vicente-Serrano, S. M.; Lopez-Moreno, J. I.; **Begueria, S.**; Garcia-Ruiz, J. M.; Cuadrat, J. M. The Impact of Droughts and Water Management on Various Hydrological Systems in the Headwaters of the Tagus River (Central Spain). *JOURNAL OF HYDROLOGY* 386(1-4): 13–26. 2010. (cit: 76; > q0.9) ,
53. Vicente-Serrano, S. M.; **Begueria, S.**; Lopez-Moreno, J. I.; Angulo, M.; El Kenawy, A. a New Global 0.5 Degrees Gridded Dataset (1901–2006) of a Multiscalar Drought Index: Comparison with Current Drought Index Datasets Based on the Palmer Drought Severity Index. *JOURNAL OF HYDROMETEOROLOGY* 11(4): 1033–1043. 2010. (cit: 112; > q0.99) ,
54. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Lopez-Moreno, Juan I. a Multiscalar Drought Index Sensitive to Global Warming: The Standardized Precipitation Evapotranspiration Index. *JOURNAL OF CLIMATE* 23(7): 1696–1718. 2010. (cit: 616; > q0.999) ,
55. Cabezas, A.; Comin, F. A.; **Begueria, S.**; Trabucchi, M. Hydrologic and Landscape Changes in the Middle Ebro River (Ne Spain): Implications for Restoration and Management. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 13(2): 273–284. 2009. (cit: 17; > q0.5) ,
56. **Begueria, S.**; Pueyo, Y. a Comparison of Simultaneous Autoregressive and Generalized Least Squares Models for Dealing with Spatial Autocorrelation. *GLOBAL ECOLOGY AND BIOGEOGRAPHY* 18(3): 273–279. 2009. (cit: 23; > q0.5) ,
57. Alatorre, L. C.; **Begueria, S.** Identification of Eroded Areas using Remote Sensing in a Badlands Landscape on Marls in the Central Spanish Pyrenees. *CATENA* 76(3): 182–190. 2009. (cit: 27; > q0.8) ,
58. Vicente-Serrano, Sergio M.; **Begueria, Santiago**; Lopez-Moreno, Juan I.; El Kenawy, Ahmed M.; Angulo-Martinez, Marta. Daily Atmospheric Circulation Events and Extreme Precipitation Risk in Northeast Spain: Role of the North Atlantic Oscillation, the Western Mediterranean Oscillation, and the Mediterranean Oscillation. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES* 114: D08106. 2009. (cit: 33; > q0.8) ,
59. Angulo-Martinez, M.; Lopez-Vicente, M.; Vicente-Serrano, S. M.; **Begueria, S.** Mapping Rainfall Erosivity at a Regional Scale: a Comparison of Interpolation Methods in the Ebro Basin (Ne Spain). *HYDROLOGY AND EARTH SYSTEM SCIENCES* 13(10): 1907–1920. 2009. (cit: 35; > q0.8) ,
60. **Begueria, Santiago**; Vicente-Serrano, Sergio M.; Lopez-Moreno, Juan I.; Garcia-Ruiz, Jose M. Annual and Seasonal Mapping of Peak Intensity, Magnitude and Duration of Extreme Precipitation Events Across a Climatic Gradient, Northeast Spain. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 29(12): 1759–1779. 2009. (cit: 35; > q0.8) ,

61. **Begueria, S.**; Van Asch, Th. W. J.; Malet, J. -P.; Groendahl, S. a Gis-Based Numerical Model for Simulating the Kinematics of Mud and Debris Flows over Complex Terrain. *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES* 9(6): 1897–1909. 2009. (cit: 36; > q0.8) ,
62. Lopez-Moreno, J. I.; Vicente-Serrano, S. M.; **Begueria, S.**; Garcia-Ruiz, J. M.; Portela, M. M.; Almeida, A. B. Dam Effects on Droughts Magnitude and Duration in a Transboundary Basin: The Lower River Tagus, Spain and Portugal. *WATER RESOURCES RESEARCH* 45: W02405. 2009. (cit: 45; > q0.9) ,
63. Angulo-Martinez, M.; **Begueria, S.** Estimating Rainfall Erosivity from Daily Precipitation Records: a Comparison among Methods using Data from the Ebro Basin (Ne Spain). *JOURNAL OF HYDROLOGY* 379(1-2): 111–121. 2009. (cit: 69; > q0.9) ,
64. **Begueria, S.**; Lana-Renault, N.; Reguees, D.; Nadal-Romero, E.; Serrano-Muela, P.; Garcia-Ruiz, J. M. Erosion and Sediment Transport Processes in Mediterranean Mountain Basins. *NUMERICAL MODELLING OF HYDRODYNAMICS FOR WATER RESOURCES* : 175–187. 2008. (cit: 2; > q0) ,
65. Navas, Ana; Machin, Javier; **Begueria, Santiago**; Lopez-Vicente, Manuel; Gaspar, Leticia. Soil Properties and Physiographic Factors Controlling the Natural Vegetation Re-Growth in a Disturbed Catchment of the Central Spanish Pyrenees. *AGROFORESTRY SYSTEMS* 72(3): 173–185. 2008. (cit: 17; > q0.5) ,
66. Bathurst, James C.; Moretti, Greta; El-Hames, Ahmed; **Begueria, Santiago**; Garcia-Ruiz, Jose M. Modelling the Impact of Forest Loss on Shallow Landslide Sediment Yield, Ijuez River Catchment, Spanish Pyrenees. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 11(1): 569–583. 2007. (cit: 31; > q0.8) ,
67. Lana-Renault, N.; Regues, D.; Marti-Bono, C.; **Begueria, S.**; Latron, J.; Nadal, E.; Serrano, P.; Garcia-Ruiz, J. M. Temporal Variability in the Relationships Between Precipitation, Discharge and Suspended Sediment Concentration in a Small Mediterranean Mountain Catchment. *NORDIC HYDROLOGY* 38(2): 139–150. 2007. (cit: 33; > q0.8) ,
68. Pueyo, Yolanda; **Begueria, Santiago**. Modelling the Rate of Secondary Succession after Farmland Abandonment in a Mediterranean Mountain Area. *LANDSCAPE AND URBAN PLANNING* 83(4): 245–254. 2007. (cit: 37; > q0.8) ,
69. Lopez-Moreno, Juan I.; **Begueria, Santiago**; Vicente-Serrano, Sergio M.; Garcia-Ruiz, Jose M. Influence of the North Atlantic Oscillation on Water Resources in Central Iberia: Precipitation, Streamflow Anomalies, and Reservoir Management Strategies. *WATER RESOURCES RESEARCH* 43(9): W09411. 2007. (cit: 38; > q0.8) ,
70. **Begueria, S.** Identifying Erosion Areas at Basin Scale using Remote Sensing Data and Gis: a Case Study in a Geologically Complex Mountain Basin in the Spanish Pyrenees. *INTERNATIONAL JOURNAL OF REMOTE SENSING* 27(20): 4585–4598. 2006. (cit: 17; > q0.5) ,
71. Lasanta, T; **Begueria, S**; Garcia-Ruiz, JM. Geomorphic and Hydrological Effects of Traditional Shifting Agriculture in a Mediterranean Mountain Area, Central Spanish Pyrenees. *MOUNTAIN RESEARCH AND DEVELOPMENT* 26(2): 146–152. 2006. (cit: 29; > q0.5) ,
72. **Begueria, Santiago**; Lopez-Moreno, Juan I.; Gomez-Villar, Amelia; Rubio, Virginia; Lana-Renault, Noemi; Garcia-Ruiz, Jose M. Fluvial Adjustments to Soil Erosion and Plant Cover Changes in the Central Spanish Pyrenees. *GEOGRAFISKA ANNALER SERIES A-PHYSICAL GEOGRAPHY* 88A(3): 177–186. 2006. (cit: 46; > q0.8) ,

73. **Begueria, S**; Vicente-Serrano, SM. Mapping the Hazard of Extreme Rainfall by Peaks over Threshold Extreme Value Analysis and Spatial Regression Techniques. *JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY* 45(1): 108–124. 2006. (cit: 50; > q0.8) ,
74. Lopez-Moreno, J. I.; **Begueria, S.**; Garcia-Ruiz, J. M. Trends in High Flows in the Central Spanish Pyrenees: Response to Climatic Factors or to Land-Use Change?. *HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES* 51(6): 1039–1050. 2006. (cit: 58; > q0.9) ,
75. **Begueria, S.** Changes in Land Cover and Shallow Landslide Activity: a Case Study in the Spanish Pyrenees. *GEOMORPHOLOGY* 74(1-4): 196–206. 2006. (cit: 68; > q0.9) ,
76. **Begueria, S.** Validation and Evaluation of Predictive Models in Hazard Assessment and Risk Management. *NATURAL HAZARDS* 37(3): 315–329. 2006. (cit: 128; > q0.9) ,
77. Seeger, M; Errea, MP; Lana-Renault, N; **Begueria, S**; Arnaez, J; Marti, C; Regues, D; Garcia-Ruiz, JM. Characteristics of Sediment Transport in a Small Catchment of the Spanish Pyrenees. *Geomorphology in Environmental Application: (MOUNTAIN GEOMORPHOLOGY, MASS MOVEMENTS, FLUVIAL GEOMORPHOLOGY)* 138: 211–228. 2005. (cit: 1) ,
78. Garcia-Ruiz, JM; Arnaez, J; **Begueria, S**; Seeger, M; Marti-Bono, C; Regues, D; Lana-Renault, N; White, S. Runoff Generation in an Intensively Disturbed, Abandoned Farmland Catchment, Central Spanish Pyrenees. *CATENA* 59(1): 79–92. 2005. (cit: 49) ,
79. **Begueria, S.** Uncertainties in Partial Duration Series Modelling of Extremes Related to the Choice of the Threshold Value. *JOURNAL OF HYDROLOGY* 303(1-4): 215–230. 2005. (cit: 86) ,
80. Garcia-Ruiz, JM; Lana-Renault, N; **Begueria, S**; Valero-Garces, B; Lasanta, T; Arnaez, J; Lopez-Moreno, JI; Regues, D; Marti-Bono, C. Temporal and Spatial Interactions of Slope and Catchment Processes in the Central Spanish Pyrenees. *SEDIMENT TRANSFER THROUGH THE FLUVIAL SYSTEM* (288): 21–28. 2004. (cit: 0) ,
81. Lopez-Moreno, JI; **Begueria, S**; Garcia-Ruiz, JM. The Management of a Large Mediterranean Reservoir: Storage Regimens of the Yesa Reservoir, Upper Aragon River Basin, Central Spanish Pyrenees. *ENVIRONMENTAL MANAGEMENT* 34(4): 508–515. 2004. (cit: 29) ,
82. Seeger, M; Errea, MP; **Begueria, S**; Arnaez, J; Marti, C; Garcia-Ruiz, JM. Catchment Soil Moisture and Rainfall Characteristics as Determinant Factors for Discharge/Suspended Sediment Hysteretic Loops in a Small Headwater Catchment in the Spanish Pyrenees. *JOURNAL OF HYDROLOGY* 288(3-4): 299–311. 2004. (cit: 131) ,
83. Lorente, A.; **Begueria, S.**; Bathurst, J. C.; Garcia-Ruiz, J. M. Debris Flow Characteristics and Relationships in the Central Spanish Pyrenees. *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES* 3(6): 683–691. 2003. (cit: 26) ,
84. **Begueria, S**; Lopez-Moreno, JI; Lorente, A; Seeger, M; Garcia-Ruiz, JM. Assessing the Effect of Climate Oscillations and Land-Use Changes on Streamflow in the Central Spanish Pyrenees. *AMBIO* 32(4): 283–286. 2003. (cit: 118) ,
85. Lopez-Moreno, JI; **Begueria, S**; Garcia-Ruiz, JM. Influence of the Yesa Reservoir on Floods of the Aragon River, Central Spanish Pyrenees. *HYDROLOGY AND EARTH SYSTEM SCIENCES* 6(4): 753–762. 2002. (cit: 25) ,

86. Lorente, A; Garcia-Ruiz, JM; **Begueria, S**; Arnaez, J. Factors Explaining the Spatial Distribution of Hillslope Debris Flows - a Case Study in the Flysch Sector of the Central Spanish Pyrenees. *MOUNTAIN RESEARCH AND DEVELOPMENT* 22(1): 32–39. 2002. (cit: 40) ,
87. Garcia-Ruiz, JM; Valero-Garces, B; Gonzalez-Samperiz, P; Lorente, A; Marti-Bono, C; **Begueria, S**; Edwards, L. Stratified Scree in the Central Spanish Pyrenees: Palaeoenvironmental Implications. *PERMAFROST AND PERIGLACIAL PROCESSES* 12(3): 233–242. 2001. (cit: 19) ,
88. Garcia-Ruiz, JM; Arnaez, J; White, SM; Lorente, A; **Begueria, S**. Uncertainty Assessment in the Prediction of Extreme Rainfall Events: An Example from the Central Spanish Pyrenees. *HYDROLOGICAL PROCESSES* 14(5): 887–898. 2000. (cit: 29)