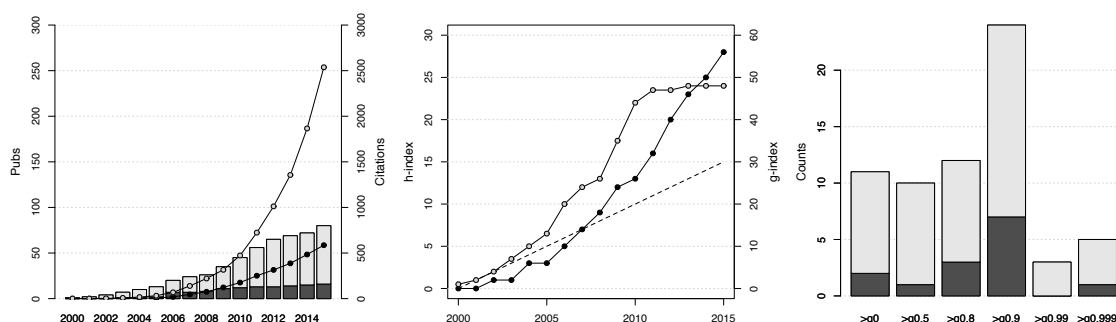


# BEGUERIA, SANTIAGO

sbegueria

## Indicators



Publications (total)	Pubs. (as lead author)	Years	Pubs. per year
80	16	15	5.33
Citations (total)	Citations per year	Citations per pub	Citations (highest pub)
2587	172.47	32.34	376
h-index	h-index per year	g-index	g-index per year
28	1.87	48	3.2
Pubs >q0.9	Pubs >q0.9 (as lead)	i-score	i-score (as lead)
32	8	5631	1089

## Publication list

1. 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) ,
2. **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: 1) ,
3. 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: 1) ,
4. 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: 2) ,
  5. 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: 2) ,
  6. 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: 2) ,
  7. 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: 5) ,
  8. 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: 15) ,
  9. 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; > q0) ,
  10. **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: 15; > q0.999) ,
  11. 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: 19; > q0.999) ,
  12. **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: 2; > q0) ,
  13. 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: 15; > q0.9) ,
  14. 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: 21; > q0.99) ,

15. 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: 79; >  $q0.999$ ) ,
16. Molinari, Monia Elisa; Cannata, Massimiliano; **Begueria, Santiago**; Ambrosi, Christian. GIS-based Calibration of MassMov2D. *TRANSACTIONS IN GIS* 16(2): 215– 231. 2012. (cit: 1; >  $q0$ ) ,
17. 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: 2; >  $q0$ ) ,
18. 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: 3; >  $q0$ ) ,
19. 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: 6; >  $q0.5$ ) ,
20. 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: 6; >  $q0.5$ ) ,
21. 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: 14; >  $q0.9$ ) ,
22. 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: 14; >  $q0.9$ ) ,
23. 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: 18; >  $q0.9$ ) ,
24. 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: 36; >  $q0.99$ ) ,
25. 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; >  $q0$ ) ,
26. 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: 5; >  $q0$ ) ,

27. 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: 8; >  $q0.5$ ) ,
28. 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: 11; >  $q0.5$ ) ,
29. 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: 18; >  $q0.9$ ) ,
30. 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– 40. 2011. (cit: 19; >  $q0.9$ ) ,
31. 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: 19; >  $q0.9$ ) ,
32. 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: 23; >  $q0.9$ ) ,
33. **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: 27; >  $q0.9$ ) ,
34. 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: 41; >  $q0.9$ ) ,
35. 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: 142; >  $q0.999$ ) ,
36. 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: 3; >  $q0$ ) ,
37. 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: 14; >  $q0.5$ ) ,

38. 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: 23; > q0.8) ,
39. **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: 25; > q0.9) ,
40. 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: 32; > q0.9) ,
41. 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: 33; > q0.9) ,
42. 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: 34; > q0.9) ,
43. 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: 59; > q0.9) ,
44. 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: 82; > q0.99) ,
45. 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: 376; > q0.999) ,
46. 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) ,
47. **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: 21; > q0.8) ,
48. 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: 23; > q0.8) ,
49. 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) ,

50. **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: 29; > q0.8) ,
51. 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: 29; > q0.8) ,
52. **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: 32; > q0.9) ,
53. 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: 39; > q0.9) ,
54. 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: 54; > q0.9) ,
55. **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) ,
56. 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: 14; > q0.5) ,
57. 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: 30; > q0.8) ,
58. 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: 30; > q0.8) ,
59. 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: 34; > q0.8) ,
60. 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: 37; > q0.8) ,
61. **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: 15; > q0.5) ,

62. 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: 26; > q0.5) ,
63. **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: 38; > q0.8) ,
64. **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: 46; > q0.9) ,
65. 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: 53; > q0.9) ,
66. **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: 58; > q0.9) ,
67. **Begueria, S.** Validation and evaluation of predictive models in hazard assessment and risk management. *NATURAL HAZARDS* 37(3): 315– 329. 2006. (cit: 102; > q0.9) ,
68. 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; > q0) ,
69. 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: 47; > q0.8) ,
70. **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: 76; > q0.9) ,
71. 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; > q0) ,
72. 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: 28; > q0.5) ,
73. 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: 116; > q0.9) ,
74. 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: 23) ,

75. Vicente-Serrano, SM; **Beguera-Portugues, S.** Estimating extreme dry-spell risk in the middle Ebro valley (Northeastern Spain): a comparative analysis of partial duration series with a general Pareto distribution and annual maxima series with a Gumbel distribution. *INTERNATIONAL JOURNAL OF CLIMATOLOGY* 23(9): 1103–1118. 2003. (cit: 52) ,
76. **Beguera, 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: 107) ,
77. Lopez-Moreno, JI; **Beguera, 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) ,
78. Lorente, A; Garcia-Ruiz, JM; **Beguera, 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: 38) ,
79. Garcia-Ruiz, JM; Valero-Garces, B; Gonzalez-Samperiz, P; Lorente, A; Marti-Bono, C; **Beguera, S**; Edwards, L. Stratified scree in the central Spanish Pyrenees: Palaeoenvironmental implications. *PERMAFROST AND PERIGLACIAL PROCESSES* 12(3): 233– 242. 2001. (cit: 16) ,
80. Garcia-Ruiz, JM; Arnaez, J; White, SM; Lorente, A; **Beguera, 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: 28)