

David Bekaert

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,827
citations

394421

19
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in SAR interferometry time series analysis for measuring crustal deformation. <i>Tectonophysics</i> , 2012, 514-517, 1-13.	2.2	617
2	A spatially variable power law tropospheric correction technique for InSAR data. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1345-1356.	3.4	168
3	Coseismic deformation and triggered landslides of the 2016 <i>M_w</i> 6.2 Amatrice earthquake in Italy. <i>Geophysical Research Letters</i> , 2017, 44, 1266-1274.	4.0	98
4	InSAR-based detection method for mapping and monitoring slow-moving landslides in remote regions with steep and mountainous terrain: An application to Nepal. <i>Remote Sensing of Environment</i> , 2020, 249, 111983.	11.0	97
5	Interseismic strain accumulation across the central North Anatolian Fault from iteratively unwrapped InSAR measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 9000-9019.	3.4	86
6	Anthropogenic and geologic influences on subsidence in the vicinity of New Orleans, Louisiana. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3867-3887.	3.4	81
7	Constant strain accumulation rate between major earthquakes on the North Anatolian Fault. <i>Nature Communications</i> , 2018, 9, 1392.	12.8	75
8	Understanding of Contemporary Regional Sea Level Change and the Implications for the Future. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000672.	23.0	74
9	Tracking the weight of Hurricane Harvey's stormwater using GPS data. <i>Science Advances</i> , 2018, 4, eaau2477.	10.3	62
10	Tropospheric corrections for InSAR: Statistical assessments and applications to the Central United States and Mexico. <i>Remote Sensing of Environment</i> , 2019, 232, 111326.	11.0	62
11	Spaceborne Synthetic Aperture Radar Survey of Subsidence in Hampton Roads, Virginia (USA). <i>Scientific Reports</i> , 2017, 7, 14752.	3.3	59
12	Reassessing the 2006 Guerrero slow slip event, Mexico: Implications for large earthquakes in the Guerrero Gap. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1357-1375.	3.4	52
13	Geodetic observations of postseismic creep in the decade after the 1999 Izmit earthquake, Turkey: Implications for a shallow slip deficit. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2980-3001.	3.4	40
14	Surface Deformation of North-Central Oklahoma Related to the 2016 <i>M_w</i> 5.8 Pawnee Earthquake from SAR Interferometry Time Series. <i>Seismological Research Letters</i> , 2017, 88, 971-982.	1.9	34
15	Toward Sustained Monitoring of Subsidence at the Coast Using InSAR and GPS: An Application in Hampton Roads, Virginia. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090013.	4.0	29
16	A Network Inversion Filter combining GNSS and InSAR for tectonic slip modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2069-2086.	3.4	25
17	Temporal changes in rock uplift rates of folds in the foreland of the Tian Shan and the Pamir from geodetic and geologic data. <i>Geophysical Research Letters</i> , 2017, 44, 10,977.	4.0	25
18	Decomposing DInSAR Time-Series into 3-D in Combination with GPS in the Case of Low Strain Rates: An Application to the Hyblean Plateau, Sicily, Italy. <i>Remote Sensing</i> , 2017, 9, 33.	4.0	22

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19	Exploiting UAVSAR for a comprehensive analysis of subsidence in the Sacramento Delta. Remote Sensing of Environment, 2019, 220, 124-134.	11.0	20
20	Cluster-Based Empirical Tropospheric Corrections Applied to InSAR Time Series Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2204-2212.	6.3	17
21	Multi-temporal InSAR evidence of ground subsidence induced by groundwater withdrawal: the Montellano aquifer (SW Spain). Environmental Earth Sciences, 2016, 75, 1.	2.7	15
22	Using Sentinel-1 and GRACE satellite data to monitor the hydrological variations within the Tulare Basin, California. Scientific Reports, 2022, 12, 3867.	3.3	14
23	Ocean mass, sterodynamic effects, and vertical land motion largely explain US coast relative sea level rise. Communications Earth & Environment, 2021, 2, .	6.8	10
24	Landslide Sensitivity and Response to Precipitation Changes in Wet and Dry Climates. Geophysical Research Letters, 2022, 49, .	4.0	10
25	Rapid Geodetic Analysis of Subduction Zone Earthquakes Leveraging a 3â€ Elastic Green's Function Library. Geophysical Research Letters, 2019, 46, 2475-2483.	4.0	8
26	Value of InSAR for Monitoring Land Subsidence to Support Water Management in the San Joaquin Valley, California. Journal of the American Water Resources Association, 2022, 58, 995-1001.	2.4	8
27	Integrated Ocean, Earth, and Atmospheric Observations for Resilience Planning in Hampton Roads, Virginia. Marine Technology Society Journal, 2018, 52, 68-83.	0.4	7
28	Communities and Areas at Intensive Risk in the Mid-Atlantic Region: A Reanalysis of 2011 Hurricane Irene with Future Sea Level Rise and Land Subsidence. , 2018, , .		5
29	NASAâ€™s Mid-Atlantic Communities and Areas at Intensive Risk Demonstration: : Translating Compounding Hazards to Societal Risk. , 2018, , .		5
30	Using InSAR Time Series to Monitor Surface Fractures and Fissures in the Al-Yutamah Valley, Western Arabia. Remote Sensing, 2022, 14, 1769.	4.0	2
31	GPS and DInSAR timeseries SISTEM integration for interseismic motion detection — A case study from the Hyblean Plateau in South-East Sicily. , 2015, , .		0