

# Daniel Raucoules

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

1,946  
citations

236925

25  
h-index

254184

43  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2117  
citing authors

#	ARTICLE	IF	CITATIONS
1	InSAR assets in ground movements survey on abandoned coalfields. E3S Web of Conferences, 2022, 342, 02003.	0.5	0
2	Timescales of emergence of chronic flooding in the major economic center of Guadeloupe. Natural Hazards and Earth System Sciences, 2021, 21, 703-722.	3.6	9
3	Transient motion of the largest landslide on earth, modulated by hydrological forces. Scientific Reports, 2021, 11, 10407.	3.3	8
4	Shallow Bathymetry from Multiple Sentinel 2 Images via the Joint Estimation of Wave Celerity and Wavelength. Remote Sensing, 2021, 13, 2149.	4.0	7
5	Monitoring of Expansive Clays over Drought-Rewetting Cycles Using Satellite Remote Sensing. Atmosphere, 2021, 12, 1262.	2.3	7
6	Landslide displacement mapping based on ALOS-2/PALSAR-2 data using image correlation techniques and SAR interferometry: application to the Hell-Bourg landslide (Salazie Circle, La Réunion Island). Geocarto International, 2020, 35, 113-127.	3.5	12
7	The 2018-2019 seismo-volcanic crisis east of Mayotte, Comoros islands: seismicity and ground deformation markers of an exceptional submarine eruption. Geophysical Journal International, 2020, 223, 22-44.	2.4	80
8	Remote Sensing for Assessing Landslides and Associated Hazards. Surveys in Geophysics, 2020, 41, 1391-1435.	4.6	49
9	Sentinel optical and SAR data highlights multi-segment faulting during the 2018 Palu-Sulawesi earthquake (Mw 7.5). Scientific Reports, 2020, 10, 9103.	3.3	17
10	Landslide Mapping and Monitoring Using Persistent Scatterer Interferometry (PSI) Technique in the French Alps. Remote Sensing, 2020, 12, 1305.	4.0	88
11	Monitoring Beach Topography and Nearshore Bathymetry Using Spaceborne Remote Sensing: A Review. Remote Sensing, 2019, 11, 2212.	4.0	88
12	Wavelet-based analysis of ground deformation coupling satellite acquisitions (Sentinel-1, SMOS) and data from shallow and deep wells in Southwestern France. Scientific Reports, 2019, 9, 8812.	3.3	16
13	Volcanic Cloud Top Height Estimation Using the Plume Elevation Model Procedure Applied to Orthorectified Landsat 8 Data. Test Case: 26 October 2013 Mt. Etna Eruption. Remote Sensing, 2019, 11, 785.	4.0	7
14	Multi-Sensor SAR Geodetic Imaging and Modelling of Santorini Volcano Post-Unrest Response. Remote Sensing, 2019, 11, 259.	4.0	21
15	On the Effect of Interferometric Pairs Selection for Measuring Fast Moving Landslides. , 2019, , .		3
16	Bathysent - A Method to Retrieve Coastal Bathymetry from Sentinel-2. , 2019, , .		1
17	Vertical land motion and relative sea level changes along the coastline of Brest (France) from combined space-borne geodetic methods. Remote Sensing of Environment, 2019, 222, 275-285.	11.0	40
18	Observing water-level variations from space-borne high-resolution Synthetic Aperture Radar (SAR) image correlation. Geocarto International, 2018, 33, 977-987.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Landslide Observation from ALOS-2/PALSAR-2 Data (Image Correlation Techniques and Sar) Tj ETQq1 1 0.784314 rgBT /Overlçk 10 TFS		10
20	Potential of Satellite Remote Sensing to Monitor Vulnerability of Buildings to Earthquakes Within a Semi-Empirical Macroseismic Approach. , 2018, , .		2
21	Shallow deformation of the San Andreas fault 5 years following the 2004 Parkfield earthquake (Mw6) combining ERS2 and Envisat InSAR. Scientific Reports, 2018, 8, 6032.	3.3	10
22	The Locking Depth of the Cholame Section of the San Andreas Fault from ERS2-Envisat InSAR. Remote Sensing, 2018, 10, 1244.	4.0	1
23	Global Sensitivity Analysis for Supporting History Matching of Geomechanical Reservoir Models Using Satellite InSAR Data. , 2017, , 145-159.		1
24	An L-band interferometric synthetic aperture radar study on the Ganos section of the north Anatolian fault zone between 2007 and 2011: Evidence for along strike segmentation and creep in a shallow fault patch. PLoS ONE, 2017, 12, e0185422.	2.5	1
25	Use of DInSAR techniques for the assessment of tide gauge measurements for long term past sea level evolution estimation reliability. , 2016, , .		0
26	The Contribution of SAR Data to Volcanology and Subsidence Studies. , 2016, , 221-262.		2
27	Volcanic eruptive-column (Plume) Elevation Model and its velocity derived from Landsat 8. , 2016, , .		0
28	Water Depth Inversion From a Single SPOT-5 Dataset. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2329-2342.	6.3	29
29	Volcanic Plume Elevation Model and its velocity derived from Landsat 8. Remote Sensing of Environment, 2016, 176, 219-224.	11.0	11
30	Sizing a geodetic network for risk-oriented monitoring of surface deformations induced by CO <sub>2</sub> injection: Experience feedback with InSAR data collected at In-Salah, Algeria. International Journal of Greenhouse Gas Control, 2015, 42, 571-582.	4.6	9
31	Potential of diffuse scatterer interferometry for monitoring CO <sub>2</sub> storage sites in European contexts (land cover types). International Journal of Remote Sensing, 2015, 36, 2800-2815.	2.9	5
32	Vertical ground motion and historical sea-level records in Dakar (Senegal). Environmental Research Letters, 2015, 10, 084016.	5.2	13
33	Revealing the surface deformation induced by deep CO <sub>2</sub> injection in vegetated/agricultural areas: The combination of corner-reflectors, reservoir simulations and spatio-temporal statistics. Engineering Geology, 2015, 197, 188-197.	6.3	6
34	On the use of persistent scatterers interferometry (PSI) in highly vegetated/agricultural areas for long term CO <sub>2</sub> storage monitoring. , 2014, , .		2
35	InSAR monitoring of ground motions impacts for in-situ sea level measurement: The example of Dakar (Senegal). , 2014, , .		1
36	Water depth inversion from satellite dataset. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
37	Multisensor Satellite Monitoring of the 2011 Puyehue-Cordon Caulle Eruption. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2786-2796.	4.9	31
38	Improving Persistent Scatterers Interferometry (PSI) analysis in highly vegetal / agricultural areas for long term CO2 storage monitoring. Energy Procedia, 2014, 63, 4019-4026.	1.8	2
39	Revisiting the shallow Mw 5.1 Lorca earthquake (southeastern Spain) using C-band InSAR and elastic dislocation modelling. Remote Sensing Letters, 2013, 4, 863-872.	1.4	6
40	Time-variable 3D ground displacements from high-resolution synthetic aperture radar (SAR). application to La Valette landslide (South French Alps). Remote Sensing of Environment, 2013, 139, 198-204.	11.0	88
41	High nonlinear urban ground motion in Manila (Philippines) from 1993 to 2010 observed by DInSAR: Implications for sea-level measurement. Remote Sensing of Environment, 2013, 139, 386-397.	11.0	64
42	Combined use of space-borne SAR interferometric techniques and ground-based measurements on a 0.3km2 subsidence phenomenon. Remote Sensing of Environment, 2013, 139, 331-339.	11.0	14
43	Synthetic Aperture Radar (SAR) Doppler Anomaly Detected During the 2010 Merapi (Java, Indonesia) Eruption. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1319-1323.	3.1	5
44	Comparison of seismometer and radar measurements for the modal identification of civil engineering structures. Engineering Structures, 2013, 51, 10-22.	5.3	55
45	Is land subsidence increasing the exposure to sea level rise in Alexandria, Egypt?. Geophysical Research Letters, 2013, 40, 2953-2957.	4.0	53
46	Direct measurement of ocean waves velocity field from a single SPOT-5 dataset. Remote Sensing of Environment, 2012, 119, 266-271.	11.0	40
47	On the applicability of Persistent Scatterers Interferometry (PSI) analysis for long term CO2 storage monitoring. Engineering Geology, 2012, 147-148, 137-148.	6.3	17
48	Spatiotemporal evolution of surface creep in the Parkfield region of the San Andreas Fault (1993-2004) from synthetic aperture radar. Earth and Planetary Science Letters, 2011, 308, 141-150.	4.4	23
49	Assessing Ionospheric Influence on L-Band SAR Data: Implications on Coseismic Displacement Measurements of the 2008 Sichuan Earthquake. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 286-290.	3.1	63
50	Surface displacement of the Mw 7 Machaze earthquake (Mozambique): Complementary use of multiband InSAR and radar amplitude image correlation with elastic modelling. Remote Sensing of Environment, 2010, 114, 2211-2218.	11.0	22
51	Three-dimensional surface displacement of the 2008 May 12 Sichuan earthquake (China) derived from Synthetic Aperture Radar: evidence for rupture on a blind thrust. Geophysical Journal International, 2010, 183, 1097-1103.	2.4	78
52	The Mw 7.9, 12 May 2008 Sichuan earthquake rupture measured by sub-pixel correlation of ALOS PALSAR amplitude images. Earth, Planets and Space, 2010, 62, 875-879.	2.5	25
53	Observation of a Large Landslide on La Reunion Island Using Differential Sar Interferometry (JERS and) Tj ETQq1 1 0,784314 rrgBT /Overl	3.8	32
54	Validation and intercomparison of Persistent Scatterers Interferometry: PSIC4 project results. Journal of Applied Geophysics, 2009, 68, 335-347.	2.1	97

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55	Monitoring residual mining subsidence of Nord/Pas-de-Calais coal basin from differential and Persistent Scatterer Interferometry (Northern France). <i>Journal of Applied Geophysics</i> , 2009, 69, 24-34.	2.1	67
56	Measuring coseismic deformation on the northern segment of the Bam-Baravat escarpment associated with the 2003 Bam (Iran) earthquake, by correlation of very-high-resolution satellite imagery. <i>Geophysical Journal International</i> , 2008, 173, 459-464.	2.4	9
57	Monitoring post-mining subsidence in the Nord-Pas-de-Calais coal basin (France): comparison between interferometric SAR results and levelling. <i>Geocarto International</i> , 2008, 23, 287-295.	3.5	3
58	Ground deformation detection of the greater area of Thessaloniki (Northern Greece) using radar interferometry techniques. <i>Natural Hazards and Earth System Sciences</i> , 2008, 8, 779-788.	3.6	41
59	Use of SAR interferometry for detecting and assessing ground subsidence. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 289-302.	1.2	92
60	Remote-sensing techniques for analysing landslide kinematics: a review. <i>Bulletin - Societe Geologique De France</i> , 2007, 178, 89-100.	2.2	146
61	Subsidence monitoring within the Athens Basin (Greece) using space radar interferometric techniques. <i>Earth, Planets and Space</i> , 2006, 58, 505-513.	2.5	25
62	A Least Squares Adjustment of Multi-temporal InSAR Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 197-204.	0.6	31
63	Detection of mining related ground instabilities using the Permanent Scatterers technique—a case study in the east of France. <i>International Journal of Remote Sensing</i> , 2005, 26, 201-207.	2.9	78
64	Detection of river/sea ice deformation using satellite interferometry: limits and potential. <i>International Journal of Remote Sensing</i> , 2004, 25, 3555-3571.	2.9	18
65	Monitoring of slow ground deformation by ERS radar interferometry on the Vauvert salt mine (France). <i>Remote Sensing of Environment</i> , 2003, 88, 468-478.	11.0	84
66	Urban subsidence in the city of Prato (Italy) monitored by satellite radar interferometry. <i>International Journal of Remote Sensing</i> , 2003, 24, 891-897.	2.9	31
67	A ground uplift in the city of Paris (France) detected by satellite radar interferometry. <i>Geophysical Research Letters</i> , 2002, 29, 34-1-34-4.	4.0	32
68	Edge Detection on SAR Images Using Local Fourier Transforms and Multiscale Approach. <i>Canadian Journal of Remote Sensing</i> , 2000, 26, 12-17.	2.4	1
69	Adaptation of the Hierarchical Stepwise Segmentation Algorithm for automatic segmentation of a SAR mosaic. <i>International Journal of Remote Sensing</i> , 1999, 20, 2111-2116.	2.9	5
70	SAR mosaic segmentation of tropical forest region. , 1998, , .		0
71	Ground uplift in the city of Paris (France) revealed by satellite radar interferometry. , 0, , .		0
72	InSAR unwrapping using pre-existent topographic information - Application to the DEM derivation on the test site of Marseille/Gardanne (France). , 0, , .		0