

# Daniel Raucoules

## List of Publications by Year in descending order

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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	Remote-sensing techniques for analysing landslide kinematics: a review. Bulletin - Societe Geologique De France, 2007, 178, 89-100.	2.2	146
2	Validation and intercomparison of Persistent Scatterers Interferometry: PSIC4 project results. Journal of Applied Geophysics, 2009, 68, 335-347.	2.1	97
3	Use of SAR interferometry for detecting and assessing ground subsidence. Comptes Rendus - Geoscience, 2007, 339, 289-302.	1.2	92
4	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
5	Monitoring Beach Topography and Nearshore Bathymetry Using Spaceborne Remote Sensing: A Review. Remote Sensing, 2019, 11, 2212.	4.0	88
6	Landslide Mapping and Monitoring Using Persistent Scatterer Interferometry (PSI) Technique in the French Alps. Remote Sensing, 2020, 12, 1305.	4.0	88
7	Monitoring of slow ground deformation by ERS radar interferometry on the Vauvert salt mine (France). Remote Sensing of Environment, 2003, 88, 468-478.	11.0	84
8	The 2018â€“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
9	Detection of mining related ground instabilities using the Permanent Scatterers techniqueâ€”a case study in the east of France. International Journal of Remote Sensing, 2005, 26, 201-207.	2.9	78
10	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
11	Monitoring residual mining subsidence of Nord/Pas-de-Calais coal basin from differential and Persistent Scatterer Interferometry (Northern France). Journal of Applied Geophysics, 2009, 69, 24-34.	2.1	67
12	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
13	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
14	Comparison of seismometer and radar measurements for the modal identification of civil engineering structures. Engineering Structures, 2013, 51, 10-22.	5.3	55
15	Is land subsidence increasing the exposure to sea level rise in Alexandria, Egypt?. Geophysical Research Letters, 2013, 40, 2953-2957.	4.0	53
16	Remote Sensing for Assessing Landslides and Associated Hazards. Surveys in Geophysics, 2020, 41, 1391-1435.	4.6	49
17	Ground deformation detection of the greater area of Thessaloniki (Northern Greece) using radar interferometry techniques. Natural Hazards and Earth System Sciences, 2008, 8, 779-788.	3.6	41
18	Direct measurement of ocean waves velocity field from a single SPOT-5 dataset. Remote Sensing of Environment, 2012, 119, 266-271.	11.0	40

#	ARTICLE	IF	CITATIONS
19	Vertical land motion and relative sea level changes along the coastline of Brest (France) from combined space-borne geodetic methods. <i>Remote Sensing of Environment</i> , 2019, 222, 275-285.	11.0	40
20	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
21	Observation of a Large Landslide on La Reunion Island Using Differential Sar Interferometry (JERS and) Tj ETQq1 1 0,784314 r gBT /Ove	3.8	32
22	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
23	A Least Squares Adjustment of Multi-temporal InSAR Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005, 71, 197-204.	0.6	31
24	Multisensor Satellite Monitoring of the 2011 Puyehue-Cordon Caulle Eruption. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 2786-2796.	4.9	31
25	Water Depth Inversion From a Single SPOT-5 Dataset. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2329-2342.	6.3	29
26	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
27	The M w 7.9, 12 May 2008 Sichuan earthquake rupture measured by sub-pixel correlation of ALOS PALSAR amplitude images. <i>Earth, Planets and Space</i> , 2010, 62, 875-879.	2.5	25
28	Spatiotemporal evolution of surface creep in the Parkfield region of the San Andreas Fault (1993â€“2004) from synthetic aperture radar. <i>Earth and Planetary Science Letters</i> , 2011, 308, 141-150.	4.4	23
29	Surface displacement of the Mw 7 Machaze earthquake (Mozambique): Complementary use of multiband InSAR and radar amplitude image correlation with elastic modelling. <i>Remote Sensing of Environment</i> , 2010, 114, 2211-2218.	11.0	22
30	Multi-Sensor SAR Geodetic Imaging and Modelling of Santorini Volcano Post-Unrest Response. <i>Remote Sensing</i> , 2019, 11, 259.	4.0	21
31	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
32	On the applicability of Persistent Scatterers Interferometry (PSI) analysis for long term CO2 storage monitoring. <i>Engineering Geology</i> , 2012, 147-148, 137-148.	6.3	17
33	Sentinel optical and SAR data highlights multi-segment faulting during the 2018 Palu-Sulawesi earthquake (Mw 7.5). <i>Scientific Reports</i> , 2020, 10, 9103.	3.3	17
34	Wavelet-based analysis of ground deformation coupling satellite acquisitions (Sentinel-1, SMOS) and data from shallow and deep wells in Southwestern France. <i>Scientific Reports</i> , 2019, 9, 8812.	3.3	16
35	Combined use of space-borne SAR interferometric techniques and ground-based measurements on a 0.3km2 subsidence phenomenon. <i>Remote Sensing of Environment</i> , 2013, 139, 331-339.	11.0	14
36	Vertical ground motion and historical sea-level records in Dakar (Senegal). <i>Environmental Research Letters</i> , 2015, 10, 084016.	5.2	13

#	ARTICLE	IF	CITATIONS
37	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
38	Volcanic Plume Elevation Model and its velocity derived from Landsat 8. Remote Sensing of Environment, 2016, 176, 219-224.	11.0	11
39	Observing water-level variations from space-borne high-resolution Synthetic Aperture Radar (SAR) image correlation. Geocarto International, 2018, 33, 977-987.	3.5	10
40	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
41	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. Geophysical Journal International, 2008, 173, 459-464.	2.4	9
42	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
43	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
44	Transient motion of the largest landslide on earth, modulated by hydrological forces. Scientific Reports, 2021, 11, 10407.	3.3	8
45	Water depth inversion from satellite dataset. , 2014, , .		7
46	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
47	Shallow Bathymetry from Multiple Sentinel 2 Images via the Joint Estimation of Wave Celerity and Wavelength. Remote Sensing, 2021, 13, 2149.	4.0	7
48	Monitoring of Expansive Clays over Drought-Rewetting Cycles Using Satellite Remote Sensing. Atmosphere, 2021, 12, 1262.	2.3	7
49	Revisiting the shallow M <sub>w</sub> 5.1 Lorca earthquake (southeastern Spain) using C-band InSAR and elastic dislocation modelling. Remote Sensing Letters, 2013, 4, 863-872.	1.4	6
50	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
51	Adaptation of the Hierarchical Stepwise Segmentation Algorithm for automatic segmentation of a SAR mosaic. International Journal of Remote Sensing, 1999, 20, 2111-2116.	2.9	5
52	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
53	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
54	Landslide Observation from ALOS-2/PALSAR-2 Data (Image Correlation Techniques and Sar) Tj ETQq0 0 0 rgBT /Overlock 10 Tj 50 62 Td		

#	ARTICLE	IF	CITATIONS
55	Monitoring post-mining subsidence in the Nord-Pas-de-Calais coal basin (France): comparison between interferometric SAR results and levelling. Geocarto International, 2008, 23, 287-295.	3.5	3
56	On the Effect of Interferometric Pairs Selection for Measuring Fast Moving Landslides. , 2019, , .		3
57	On the use of persistent scatterers interferometry (PSI) in highly vegetated/agricultural areas for long term CO <sub>2</sub> storage monitoring. , 2014, , .		2
58	Improving Persistent Scatterers Interferometry (PSI) analysis in highly vegetal / agricultural areas for long term CO <sub>2</sub> storage monitoring. Energy Procedia, 2014, 63, 4019-4026.	1.8	2
59	The Contribution of SAR Data to Volcanology and Subsidence Studies. , 2016, , 221-262.		2
60	Potential of Satellite Remote Sensing to Monitor Vulnerability of Buildings to Earthquakes Within a Semi-Empirical Macroseismic Approach. , 2018, , .		2
61	Edge Detection on SAR Images Using Local Fourier Transforms and Multiscale Approach. Canadian Journal of Remote Sensing, 2000, 26, 12-17.	2.4	1
62	InSAR monitoring of ground motions impacts for in-situ sea level measurement: The example of Dakar (Senegal). , 2014, , .		1
63	Global Sensitivity Analysis for Supporting History Matching of Geomechanical Reservoir Models Using Satellite InSAR Data. , 2017, , 145-159.		1
64	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
65	The Locking Depth of the Cholame Section of the San Andreas Fault from ERS2-Envisat InSAR. Remote Sensing, 2018, 10, 1244.	4.0	1
66	Bathysent - A Method to Retrieve Coastal Bathymetry from Sentinel-2. , 2019, , .		1
67	SAR mosaic segmentation of tropical forest region. , 1998, , .		0
68	Ground uplift in the city of Paris (France) revealed by satellite radar interferometry. , 0, , .		0
69	InSAR unwrapping using pre-existent topographic information - Application to the DEM derivation on the test site of Marseille/Gardanne (France). , 0, , .		0
70	Use of DInSAR techniques for the assessment of tide gauge measurements for long term past sea level evolution estimation reliability. , 2016, , .		0
71	Volcanic eruptive-column (Plume) Elevation Model and its velocity derived from Landsat 8. , 2016, , .		0
72	InSAR assets in ground movements survey on abandoned coalfields. E3S Web of Conferences, 2022, 342, 02003.	0.5	0