Danilo RubÃ©n Velis

List of Publications by Year
in descending order

29 papers	**682** citations	**13** h-index
26 g-index		

687363

552781

29 all docs	**29** docs citations	**29** times ranked
572 citing authors		

#	Article	IF	Citations
1	Automatic first-breaks picking: New strategies and algorithms. Geophysics, 2010, 75, V67-V76.	2.6	148
2	Stochastic sparse-spike deconvolution. Geophysics, 2008, 73, R1-R9.	2.6	124
3	A simple method inspired by empirical mode decomposition for denoising seismic data. Geophysics, 2016, 81, V403-V413.	2.6	64
4	Radon transform-based microseismic event detection and signal-to-noise ratio enhancement. Journal of Applied Geophysics, 2015, 113, 51-63.	2.1	38
5	L-moments and C-moments. Stochastic Environmental Research and Risk Assessment, 2000, 14, 50-68.	4.0	31
6	A robust method for microseismic event detection based on automatic phase pickers. Journal of Applied Geophysics, 2013, 99, 42-50.	2.1	29
7	Thin-bed prestack spectral inversion. Geophysics, 2009, 74, R49-R57.	2.6	27
8	Permeability effects on the seismic response of gas reservoirs. Geophysical Journal International, 2012, 189, 448-468.	2.4	27
9	Seismic characterization of thin beds containing patchy carbon dioxide-brine distributions: A study based on numerical simulations. Geophysics, 2011, 76, R57-R67.	2.6	22
10	Fast and automatic microseismic phase-arrival detection and denoising by pattern recognition and reduced-rank filtering. Geophysics, 2015, 80, WC25-WC38.	2.6	22
11	Three–term inversion of prestack seismic data using a weighted $l_{2,1}$ mixed norm. Geophysical Prospecting, 2017, 65, 1477-1495.	1.9	21
12	Microseismic event location using global optimization algorithms: An integrated and automated workflow. Journal of Applied Geophysics, 2018, 149, 18-24.	2.1	20
13	Simulated annealing two-point ray tracing. Geophysical Research Letters, 1996, 23, 201-204.	4.0	17
14	Statistical Segmentation of Geophysical Log Data. Mathematical Geosciences, 2007, 39, 409-417.	0.9	13
15	Simulated annealing ray tracing in complex three-dimensionalÂmedia. Geophysical Journal International, 2001, 145, 447-459.	2.4	12
16	Estimating the distribution of primary reflection coefficients. Geophysics, 2003, 68, 1417-1422.	2.6	10
17	Automatic well tying and wavelet phase estimation with no waveform stretching or squeezing. Geophysics, 2020, 85, D83-D91.	2.6	10
18	Traveltime inversion for 2â€Ð anomaly structures. Geophysics, 2001, 66, 1481-1487.	2.6	8

#	Article	IF	Citations
19	Simulated annealing velocity analysis: Automating the picking process. Geophysics, 2021, 86, V119-V130.	2.6	7
20	Footprint removal from seismic data with residual dictionary learning. Geophysics, 2020, 85, V355-V365.	2.6	7
21	Noise suppression in 2D and 3D seismic data with data-driven sifting algorithms. Geophysics, 2020, 85, V1-V10.	2.6	6
22	Wave attenuation in partially saturated porous rocks â€" New observations and interpretations across scales. The Leading Edge, 2014, 33, 606-614.	0.7	5
23	Spectral structure-oriented filtering of seismic data with self-adaptive paths. Geophysics, 2019, 84, V271-V280.	2.6	5
24	A simple energy-based strategy for sensor orientation in borehole microseismic monitoring. Journal of Geophysics and Engineering, 2019, 16, 85-91.	1.4	3
25	Comment on 'Non-minimum-phase wavelet estimation using second-and third-order moments' by Wenkai Lu. Geophysical Prospecting, 2006, 54, 487-488.	1.9	2
26	Edge-preserving frequency-offset denoising of seismic data. Geophysics, 2018, 83, V293-V303.	2.6	2
27	Acoustics of Partially Saturated Rocks: Theory and Experiments. , 2015, , 45-75.		1
28	An edge-preserving frequency-offset algorithm for seismic data denoising. , 2016, , .		1
29	Microseismic denoising assessment by polarization histograms. Geophysics, 2021, 86, KS11-KS22.	2.6	0