Bo Zhang

List of Publications by Year
in descending order

42 papers	943 citations	430874 18 h-index	454955 30 g-index
42 all docs	42 docs citations	42 times ranked	423 citing authors

#	Article	IF	Citations
1	Self-Adaptive Generalized S-Transform and Its Application in Seismic Time–Frequency Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7849-7859.	6.3	79
2	Time–Frequency Analysis of Seismic Data Using a Three Parameters S Transform. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 142-146.	3.1	78
3	Seismic signal denoising using thresholded variational mode decomposition. Exploration Geophysics, 2018, 49, 450-461.	1.1	73
4	Semiautomatic first-arrival picking of microseismic events by using the pixel-wise convolutional image segmentation method. Geophysics, 2019, 84, V143-V155.	2.6	65
5	Semiautomated seismic horizon interpretation using the encoder-decoder convolutional neural network. Geophysics, 2019, 84, B403-B417.	2.6	61
6	Attribute expression of fault-controlled karst — Fort Worth Basin, Texas: A tutorial. Interpretation, 2014, 2, SF91-SF110.	1.1	57
7	Nonstretching NMO correction of prestack time-migrated gathers using a matching-pursuit algorithm. Geophysics, 2013, 78, U9-U18.	2.6	50
8	White noise attenuation of seismic trace by integrating variational mode decomposition with convolutional neural network. Geophysics, 2019, 84, V307-V317.	2.6	40
9	Semiautomated fault interpretation based on seismic attributes. Interpretation, 2014, 2, SA11-SA19.	1.1	39
10	Seismic attribute selection for machine-learning-based facies analysis. Geophysics, 2020, 85, O17-O35.	2.6	39
11	Depositional sequence characterization based on seismic variational mode decomposition. Interpretation, 2017, 5, SE97-SE106.	1.1	37
12	Seismic time-frequency decomposition by using a hybrid basis-matching pursuit technique. Interpretation, 2016, 4, T239-T248.	1.1	32
13	Self-adaptive denoising net: Self-supervised learning for seismic migration artifacts and random noise attenuation. Journal of Petroleum Science and Engineering, 2022, 214, 110431.	4.2	31
14	Q estimation of seismic data using the generalized S-transform. Journal of Applied Geophysics, 2016, 135, 122-134.	2.1	30
15	Seismic fault attribute estimation using a local fault model. Geophysics, 2019, 84, O73-O80.	2.6	25
16	Noise suppression of time-migrated gathers using prestack structure-oriented filtering. Interpretation, 2016, 4, SG19-SG29.	1.1	24
17	Seismic horizon picking by integrating reflector dip and instantaneous phase attributes. Geophysics, 2020, 85, O37-O45.	2.6	20
18	Well-log decomposition using variational mode decomposition in assisting the sequence stratigraphy analysis of a conglomerate reservoir. Geophysics, 2018, 83, B221-B228.	2.6	19

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19	Accurate seismic dip and azimuth estimation using semblance dip guided structure tensor analysis. Geophysics, 2019, 84, O103-O112.	2.6	19
20	Seismic anelastic attenuation estimation using prestack seismic gathers. Geophysics, 2019, 84, M37-M49.	2.6	14
21	Seismic Coherence for Discontinuity Interpretation. Surveys in Geophysics, 2021, 42, 1229-1280.	4.6	13
22	Improved seismic well tie by integrating variable-size window resampling with well-tie net. Journal of Petroleum Science and Engineering, 2022, 208, 109368.	4.2	11
23	Generating Seismic Horizon Using Multiple Seismic Attributes. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 979-983.	3.1	10
24	Seismic Volumetric Dip Estimation via Multichannel Deep Learning Model. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	9
25	Seismic quality factor estimation using prestack seismic gathers: A simulated annealing approach. Interpretation, 2020, 8, T441-T451.	1.1	8
26	The determination of the constant phase of seismic wavelet using automatic seismic-well tying. Exploration Geophysics, 2019, 50, 245-254.	1.1	6
27	Multichannel Complex Seismic Traces Analysis. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 879-883.	3.1	6
28	Simulating the procedure of manual seismic horizon picking. Geophysics, 2021, 86, O1-O12.	2.6	6
29	Seismic well tie by aligning impedance log with inverted impedance from seismic data. Interpretation, 2020, 8, T917-T925.	1.1	6
30	Predicting the azimuth of natural fractures and in situ horizontal stress: A case study from the Sichuan Basin, China. Geophysics, 2022, 87, B9-B22.	2.6	6
31	Automatic horizon picking using multiple seismic attributes. , 2018, , .		5
32	Semiautomatic fault-surface generation and interpretation using topological metrics. Geophysics, 2021, 86, O13-O27.	2.6	5
33	Seismic attributes of time-vs. depth-migrated data using self-adaptive window. , 2014, , .		4
34	Multichannel synchrosqueezing generalized S-transform for time-frequency analysis of seismic traces. Interpretation, 2020, 8, T793-T801.	1.1	4
35	Orientation estimate of 3D seismic events using dynamic programming. , 2019, , .		3
36	Semi-automated seismic horizon interpretation using encoder-decoder convolutional neural network. , 2019, , .		3

#	Article	IF	Citations
37	Seismic wavelet phase estimation by semiautomatic seismic-well tying. , 2017, , .		2
38	Mimicking the process of manual sequence stratigraphy well correlation. Interpretation, 2021, 9, T667-T684.	1.1	1
39	The facies analysis of a fan delta by integrating multiple discipline data â€" A case study of the KL-A oilfield, Bohai Bay Basin, China. Interpretation, 2020, 8, SF21-SF35.	1.1	1
40	Automatic seismic fault surfaces construction using seismic discontinuity attribute. , 2020, , .		1
41	Wavelet estimation and nonstretching NMO correction. Geophysics, 2022, 87, V193-V203.	2.6	1
42	Automatic horizon picking by using the strategy of jigsaw puzzle. , 2020, , .		0