Hongliu Zeng

List of Publications by Year
in descending order

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117 papers	2,309 citations	236925 25 h-index	233421 45 g-index
117 all docs	117 docs citations	117 times ranked	939 citing authors

#	Article	IF	Citations
1	Stratal slicing, Part I: Realistic 3-D seismic model. Geophysics, 1998, 63, 502-513.	2.6	216
2	Stratal slicing, Part II: Real 3-D seismic data. Geophysics, 1998, 63, 514-522.	2.6	210
3	High-frequency sequence stratigraphy from seismic sedimentology: Applied to Miocene, Vermilion Block 50, Tiger Shoal area, offshore Louisiana. AAPG Bulletin, 2004, 88, 153-174.	1.5	163
4	Interpretive advantages of 90Â°-phase wavelets: Part 1 â€" Modeling. Geophysics, 2005, 70, C7-C15.	2.6	108
5	Three-dimensional seismic geomorphology and analysis of the Ordovician paleokarst drainage system in the central Tabei Uplift, northern Tarim Basin, western China. AAPG Bulletin, 2011, 95, 2061-2083.	1.5	101
6	Interpretive advantages of 90Â°-phase wavelets: Part 2 â€" Seismic applications. Geophysics, 2005, 70, C17-C24.	2.6	85
7	Sedimentary characteristics and seismic geomorphologic responses of a shallow-water delta in the Qingshankou Formation from the Songliao Basin, China. Marine and Petroleum Geology, 2017, 79, 131-148.	3.3	69
8	Guidelines for seismic sedimentologic study in non-marine postrift basins. Petroleum Exploration and Development, 2012, 39, 295-304.	7.0	67
9	Complex fluid flow revealed by monitoring CO₂ injection in a fluvial formation. Journal of Geophysical Research, 2012, 117, .	3.3	64
10	Characterizing seismic bright spots in deeply buried, Ordovician Paleokarst strata, Central Tabei uplift, Tarim Basin, Western China. Geophysics, 2011, 76, B127-B137.	2.6	60
11	Seismic frequency control on carbonate seismic stratigraphy: A case study of the Kingdom Abo sequence, west Texas. AAPG Bulletin, 2003, 87, 273-293.	1.5	57
12	Mapping sediment-dispersal patterns and associated systems tracts in fourth- and fifth-order sequences using seismic sedimentology: Example from Corpus Christi Bay, Texas. AAPG Bulletin, 2007, 91, 981-1003.	1.5	45
13	Geologic significance of anomalous instantaneous frequency. Geophysics, 2010, 75, P23-P30.	2.6	43
14	Stratal slicing of Miocene-Pliocene sediments in Vermilion Block 50-Tiger Shoal Area, offshore Louisiana. The Leading Edge, 2001, 20, 408-418.	0.7	37
15	Seismic sedimentology and regional depositional systems in Mioceno Norte, Lake Maracaibo, Venezuela. The Leading Edge, 2001, 20, 1260-1269.	0.7	36
16	Sequence stratigraphy, seismic sedimentology, and lithostratigraphic plays: Upper Cretaceous, Sifangtuozi area, southwest Songliao Basin, China. AAPG Bulletin, 2011, 95, 241-265.	1.5	35
17	Seismic sedimentology of sub-clinoformal shallow-water meandering river delta: A case from the Suning area of Raoyang sag in Jizhong depression, Bohai Bay Basin, NE China. Petroleum Exploration and Development, 2015, 42, 621-632.	7.0	35
18	What is seismic sedimentology? A tutorial. Interpretation, 2018, 6, SD1-SD12.	1.1	35

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19	Thickness imaging for high-resolution stratigraphic interpretation by linear combination and color blending of multiple-frequency panels. Interpretation, 2017, 5, T411-T422.	1.1	35
20	Seismic prediction of sandstone diagenetic facies: Applied to Cretaceous Qingshankou Formation in Qijia Depression, Songliao Basin, East China. Petroleum Exploration and Development, 2013, 40, 287-295.	7.0	34
21	High-frequency Miocene sequence stratigraphy, offshore Louisiana: Cycle framework and influence on production distribution in a mature shelf province. AAPG Bulletin, 2003, 87, 197-230.	1.5	34
22	Seismic geomorphology-based facies classification. The Leading Edge, 2004, 23, 644-688.	0.7	29
23	Stratal slicing: Benefits and challenges. The Leading Edge, 2010, 29, 1040-1047.	0.7	29
24	How thin is a thin bed? An alternative perspective. The Leading Edge, 2009, 28, 1192-1197.	0.7	27
25	Carbonate seismic sedimentology: A case study of Cambrian Longwangmiao Formation, Gaoshiti-Moxi area, Sichuan Basin, China. Petroleum Exploration and Development, 2018, 45, 830-839.	7.0	27
26	Using seismic geomorphology and detrital zircon geochronology to constrain provenance evolution and its response of Paleogene Enping Formation in the Baiyun Sag, Pearl River Mouth Basin, South China sea: Implications for paleo-Pearl River drainage evolution. Journal of Petroleum Science and Engineering, 2019, 177, 663-680.	4.2	27
27	Lithofacies, architecture, and reservoir heterogeneity of tidal-dominated platform marginal oolitic shoal: An analogue ofÂoolitic reservoirs of Lower Triassic Feixianguan Formation, SichuanÂBasin, SW China. Marine and Petroleum Geology, 2016, 76, 290-309.	3.3	26
28	Documentation and characterization of the Lower Cretaceous (Valanginian) Calvin and Winn carbonate shelves and shelf margins, onshore northcentral Gulf of Mexico. AAPG Bulletin, 2017, 101, 119-142.	1.5	25
29	Submarine landslides on the north continental slope of the South China Sea. Journal of Ocean University of China, 2018, 17, 83-100.	1.2	25
30	The Pangaea Megamonsoon records: Evidence from the Triassic Mungaroo Formation, Northwest Shelf of Australia. Gondwana Research, 2019, 69, 1-24.	6.0	25
31	Deep Learning for Characterizing Paleokarst Collapse Features in 3â€Ð Seismic Images. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019685.	3.4	25
32	Frequency-dependent seismic-stratigraphic and facies interpretation. AAPG Bulletin, 2013, 97, 201-221.	1.5	24
33	Depositional and diagenetic controls on deeply buried Cambrian carbonate reservoirs: Longwangmiao Formation in the Moxiâ€“Gaoshiti area, Sichuan Basin, southwestern China. Marine and Petroleum Geology, 2020, 117, 104318.	3.3	24
34	New insights into seismic stratigraphy of shallow-water progradational sequences: Subseismic clinoforms. Interpretation, 2013, 1, SA35-SA51.	1.1	20
35	A quantitative simulation study of asymmetrical tectonic subsidence control on non-synchronous sequence stacking patterns of Eocene lacustrine sediments in Bohai Bay Basin, China. Sedimentary Geology, 2013, 294, 328-341.	2.1	20
36	Prograding muddy shelves in the Paleogene Wilcox deltas, south Texas Gulf Coast. Marine and Petroleum Geology, 2018, 91, 71-88.	3.3	19

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37	Origin of conventional and shale gas in Sinianâ€“lower Paleozoic strata in the Sichuan Basin: Relayed gas generation from liquid hydrocarbon cracking. AAPG Bulletin, 2019, 103, 1265-1296.	1.5	18
38	Automated spectral recomposition with application in stratigraphic interpretation. Interpretation, 2013, 1, SA109-SA116.	1.1	17
39	Recent progress in analysis of seismically thin beds. Interpretation, 2015, 3, SS15-SS22.	1.1	17
40	Stratal slice: The next generation. The Leading Edge, 2013, 32, 140-144.	0.7	17
41	An introduction to this special section: Chronostratigraphy. The Leading Edge, 2013, 32, 132-138.	0.7	16
42	Predicting geometry and stacking pattern of thin beds by interpreting geomorphology and waveforms using sequential stratal-slices in the Wheeler domain. Interpretation, 2015, 3, SS49-SS64.	1.1	16
43	Source-to-sink analysis in an Eocene rifted lacustrine basin margin of western Shaleitian Uplift area, offshore Bohai Bay Basin, eastern China. Marine and Petroleum Geology, 2019, 107, 41-58.	3.3	16
44	Comparing carbon sequestration in an oil reservoir to sequestration in a brine formationâ€”field study. Energy Procedia, 2009, 1, 2051-2056.	1.8	15
45	Multilevel source-to-sink (S2S) subdivision and application of an ancient uplift system in South China Sea: Implications for further hydrocarbon exploration. Journal of Petroleum Science and Engineering, 2019, 181, 106220.	4.2	14
46	Three-dimensional imaging of Miocene volcanic effusive and conduit facies: Implications for the magmatism and seafloor spreading of the South China Sea. Marine and Petroleum Geology, 2019, 109, 193-207.	3.3	13
47	Prediction of ultrathin lacustrine sandstones by joint investigation of tectonic geomorphology and sedimentary geomorphology using seismic data. Marine and Petroleum Geology, 2016, 78, 759-765.	3.3	12
48	Ultraâ€thin, lacustrine sandstones imaged on stratal slices in the Cretaceous Qijia Depression, Songliao Basin, China. , 2011, , .		11
49	Diagenesis and its impact on a microbially derived carbonate reservoir from the Middle Triassic Leikoupo Formation, Sichuan Basin, China. AAPG Bulletin, 2018, 102, 2599-2628.	1.5	10
50	An alternative, seismic-assisted method of fluvial architectural-element analysis in the subsurface: Neogene, Shaleitian area, Bohai Bay Basin, China. Marine and Petroleum Geology, 2020, 118, 104435.	3.3	10
51	On-shelf lower Miocene Oakville sediment-dispersal patterns within a three-dimensional sequence-stratigraphic architectural framework and implications for deep-water reservoirs in the central coastal area of Texas. AAPG Bulletin, 2011, 95, 1795-1817.	1.5	9
52	Seismic interpretation of tectonic and paleogeomorphologic controls on sediment dispersal patterns in a continental rift basin: A case study from the Bohai Bay Basin, China. Interpretation, 2013, 1, T1-T13.	1.1	9
53	Lithology mapping of a mixed siliciclasticâ^'carbonateâ^'evaporite system using 3D seismic and well data: Lower Triassic Jialingjiang Formation, Sichuan Basin, southwestern China. Marine and Petroleum Geology, 2018, 93, 422-436.	3.3	9
54	3D seismic data attribute-based characterization of volcanic reservoirs in the BZ34-9 Block, Bohai Bay Basin, eastern China. Geophysics, 2020, 85, IM1-IM13.	2.6	9

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55	Facies Mapping from Three-Dimensional Seismic Data: Potential and Guidelines from a Tertiary Sandstone-Shale Sequence Model, Powderhorn Field, Calhoun County, Texas. AAPG Bulletin, 1996, 80, .	1.5	8
56	Seismic expression of delta to deep-lake transition and its control on lithology, total organic content, brittleness, and shale-gas sweet spots in Triassic Yanchang Formation, southern Ordos Basin, China. Interpretation, 2017, 5, SF1-SF14.	1.1	7
57	Proportional relationship between the flux of catchment-fluvial segment and their sedimentary response to diverse bedrock types in subtropical lacustrine rift basins. Marine and Petroleum Geology, 2019, 107, 351-364.	3.3	7
58	3â€D seismic detection of collapsed Paleocave Systems in the Clear Fork/Glorieta Platform, Hobbs Field, New Mexico. , 2006, , .		7
59	Improving three-dimensional high-order seismic-stratigraphic interpretation for reservoir model construction: An example of geostatistical and seismic forward modeling of Permian San Andres shelfâ€“Grayburg platform mixed clasticâ€“carbonate strata. AAPG Bulletin, 2019, 103, 1839-1887.	1.5	6
60	Multistage progradational clinoform-set characterisation and evolution analysis of the Early Oligocene in the Baiyun Sag, Pearl River Mouth Basin, South China Sea. Marine and Petroleum Geology, 2020, 112, 104048.	3.3	6
61	Characteristics of collapsed subsurface paleokarst systems and controlling factors of subsurface paleokarst development in the Lianglitage Formation, Halahatang oilfield, Tarim Basin, NW China. Marine and Petroleum Geology, 2022, 137, 105488.	3.3	6
62	Use of seismic-based new rose diagram to determine the major sediment-supply direction of progradational systems. Geophysics, 2019, 84, IM11-IM18.	2.6	5
63	Reservoir-scale chronostratigraphic significance of seismic reflections of a strongly prograding shelf margin: 3D outcrop-constrained seismic models. , 2016, , .		5
64	An Ultraâ€Deep Paleokarst System in the Ordovician, Northâ€Central Tarim Basin, China: Highâ€Resolution 3D Seismic Interpretation. , 2010, , .		4
65	Seismic chronostratigraphy at reservoir scale: Statistical modeling. Interpretation, 2015, 3, SN69-SN87.	1.1	4
66	Seismic chronostratigraphy of mixed versus pure carbonate shelf margin in Permian Basin. , 2017, , .		4
67	Linear amplitude patterns in Corpus Christi Bay Frio Subbasin, south Texas: Interpretive pitfalls or depositional features?. Geophysics, 2008, 73, A27-A31.	2.6	3
68	Frequencyâ€dependent Seismic Stratigraphy. , 2009, , .		3
69	Phase unwrapping for thin-bed seismic chronostratigraphy and facies analysis. , 2016, , .		3
70	Qualities of a good reviewer. Interpretation, 2017, 5, 1A-3A.	1.1	3
71	Seismic sedimentological evidence for filling process of western Central Canyon System controlled by the evolution of the Tibetan Plateau and the East Asia monsoon since the Late Miocene, South China Sea. Interpretation, 2018, 6, SD41-SD55.	1.1	3
72	Seismic-based identification and stage analysis of overlapped compound sedimentary units in rifted lacustrine basins: An example from the Bozhong sag, Bohai Bay Basin, China. AAPG Bulletin, 2019, 103, 2521-2543.	1.5	3

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73	Mixed siliciclastic-carbonate deposition and cyclical evolution of the Upper Shahejie Formation and its impact on reservoir development in the Eocene Huanghekou Sag, Bohai Bay Basin, East China. Interpretation, 2021, 9, SC17-SC30.	1.1	3
74	Impact of sedimentary facies on machine learning of acoustic impedance from seismic data: Lessons from a geologically realistic 3D model. Interpretation, 2021, 9, T1009-T1024.	1.1	3
75	Optimizing thinâ€bed interpretation with 90Â°â€phase wavelets. , 2005, , .		3
76	Seismic-informed carbonate shelf-to-basin transition in deeply buried Cambrian strata, Tarim Basin, China. Marine and Petroleum Geology, 2022, 136, 105448.	3.3	3
77	A new definition of seismic resolution for predicting very thin (1 m) reservoirs in layered media. , 2009, , .		2
78	Thinâ€Bed Detection and Correlation with Instantaneous Frequency. , 2010, , .		2
79	Applying sedimentary sedimentology to high-resolution depositional-facies mapping in Triassic Yanchang Formation, Erdos Basin, China. , 2015, , .		2
80	Influence of spatial velocity distribution on seismic imaging of mixed carbonate-siliciclastic clinoforms based on outcrop-based synthetic model of the Permian San Andres Formation, Last Chance Canyon, NM, USA. , 2015, , .		2
81	Roles and responsibilities of the special-section editor. Interpretation, 2017, 5, 1N-3N.	1.1	2
82	Seismic chronostratigraphy at reservoir scale: Lessons from a realistic seismic modeling of mixed clastic-carbonate strata in the Permian Basin, West Texas and New Mexico, USA. Interpretation, 2020, 8, T13-T25.	1.1	2
83	Seismic sedimentology of nonclinoformal deltaic systems in lacustrine Qijia Depression, Songliao Basin, China. , 2012, , .		2
84	RGB blending of frequency panels: A new useful tool for high-resolution 3D stratigraphic imaging. , 2017, , .		2
85	How thin is a thin bed? An alternative perspective. , 2008, , .		1
86	Seismic sedimentology: Concepts and challenges. , 2009, , .		1
87	Seismic interpretation of tectono-sedimentary framework of a continental rift basin: A case study of Ed3 Member, Dongying Formation, Paleogenge, in QHD29-2 block, Bohai Bay, China. , 2012, , .		1
88	Spatial Resolution of Stratal Slice and Its Implications to Seismic Sedimentology. , 2014, , .		1
89	Introduction to special section: China shale gas and shale oil plays. Interpretation, 2015, 3, SJi-SJii.	1.1	1
90	Identification Marks of Cretaceous Shallowâ€Water Delta in the Songliao Basin, China. Acta Geologica Sinica, 2016, 90, 2289-2290.	1.4	1

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91	Phase unwrapping for thin-bed seismic chronostratigraphy below seismic resolution limit. , 2016, , .		1
92	Introduction to special section: Lacustrine shale characterization and shale resource potential in Ordos Basin, China. Interpretation, 2017, 5, SFi-SFii.	1.1	1
93	Introduction to special section: Machine learning in seismic data analysis. Interpretation, 2019, 7, SEi-SEii.	1.1	1
94	The relationship between source supply and mixed deposition of siliciclastic and carbonate: First to second member of the Shahejie Formation, Paleogene, Bohai Sea area, China. Interpretation, 2021, 9, SC45-SC52.	1.1	1
95	Mapping depositional systems using seismic sedimentology: a case study of Gold River North field, Webb County, South Texas. , 2009, , .		1
96	Highâ€frequency sequenceâ€•and wireline logâ€guided progressive inversion. , 2004, , .		1
97	Imaging deeply buried, ultrathin sandstone reservoirs using geostatistical inversion: A case study in Yudong area, Tarim Basin, China. , 2013, , .		1
98	Seismic chronostratigraphy: Lessons from an outcrop- and well-based seismic modeling of mixed clastic-carbonate strata in the Permian Basin, West Texas and New Mexico. , 2019, , .		1
99	Identification of sandstone-rich zones in upper bathyal, deep water environment on south Texas Gulf Coast. Interpretation, 2022, 10, T265-T278.	1.1	1
100	Value of instantaneousâ€frequency spikes in thinâ€bed and stratigraphic interpretation. , 2011, , .		0
101	Stratal slice: a tool for seismic sedimentologic imaging and reservoir prediction. , 2011, , .		0
102	Seismic analysis of very thin beds: which attribute to use?. , 2012, , .		0
103	Introduction to special section: Seismic chronostratigraphy. Interpretation, 2015, 3, SNi-SNi.	1.1	0
104	Introduction to special section: The South China Sea deep-water: Stratigraphy, sedimentology, and resources. Interpretation, 2016, 4, SPi-SPi.	1.1	0
105	Facies control on lithology, TOC, and brittleness: Predicting lacustrine shale-gas sweet spots by using seismic data. , 2016, , .		0
106	Preconditioning single-point 3D seismic data for improved reservoir characterization in a Loess mountain area. , 2016, , .		0
107	Introduction to special section: Recent advances in geology and geophysics of deepwater reservoirs. Interpretation, 2018, 6, SOi-SOi.	1.1	0
108	Introduction to special section: Shale oil and gas enrichment mechanisms and effective development: Concepts, methodologies, and case studies. Interpretation, 2018, 6, SNi-SNiii.	1.1	0

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109	Introduction to special section: Seismic geometric attributes. Interpretation, 2019, 7, SCi-SCi.	1.1	0
110	Frequency-dependent seismic analysis: Data processing, modeling, and interpretation. The Leading Edge, 2019, 38, 556-557.	0.7	0
111	Why publish papers. Interpretation, 2019, 7, 1F-2F.	1.1	0
112	Fullâ€spectrum seismic inversion as a hard constraint in reservoir modeling and simulation. , 2005, , .		0
113	The Main Controlling Factor Analysis and Comprehensive Evaluation on Mid-deep Clastic Reservoir in Qikou Sag, Bohai Bay Basin, North China. , 2012, , .		0
114	Influence of tectonic geomorphology on sedimentary geomorphology: Applied to prediction of ultrathin sandstones. , 2013, , .		0
115	Shingled reservoirs without a shingled reflection pattern: Origin and recognition. , 2013, , .		0
116	Applying seismic sedimentology for high-resolution and quantitative imaging of fluvial channel sandstones: An example from Bohai Bay Basin, China. , 2019, , .		0
117	Introduction to special section: Multienergy resources in super Ordos Basin. Interpretation, 0, , 1-2.	1.1	0