Jacob A Covault

List of Publications by Year
in descending order

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54	3,812	147801	233421
papers	citations	31 h-index	45 g-index

57	57	57	2239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tectonic influence on axial-transverse sediment routing in the Denver Basin. , 2022, , .		2
2	Channel trajectories control deepâ€water stratigraphic architecture. Depositional Record, 2022, 8, 880-894.	1.7	5
3	Exploring a new breadth of cyclic steps on distal submarine fans. Sedimentology, 2021, 68, 1378-1399.	3.1	13
4	Giant meandering channel evolution, Campos deep-water salt basin, Brazil. , 2021, 17, 1869-1889.		8
5	Submarine channels â€˜sweptâ€™ downstream after bend cutoff in salt basins. Depositional Record, 2020, 6, 259-272.	1.7	16
6	Numerical modeling of icehouse and greenhouse sea-level changes on a continental margin: Sea-level modulation of deltaic avulsion processes. Marine and Petroleum Geology, 2020, 111, 807-814.	3.3	15
7	The stratigraphic evolution of a submarine channel: linking seafloor dynamics to depositional products. Journal of Sedimentary Research, 2020, 90, 673-686.	1.6	21
8	How do basin margins record long-term tectonic and climatic changes?. Geology, 2020, 48, 893-897.	4.4	12
9	Inherited Depositional Topography Control on Shelf-Margin Oversteepening, Readjustment, and Coarse-Grained Sediment Delivery to Deep Water, Magallanes Basin, Chile. Frontiers in Earth Science, 2020, 7, .	1.8	7
10	Orogen proximal sedimentation in the Permian foreland basin. , 2020, 16, 567-593.		16
11	High curvatures drive river meandering: REPLY. Geology, 2019, 47, e486-e486.	4.4	13
12	High curvatures drive river meandering. Geology, 2019, 47, 263-266.	4.4	110
13	Tectonostratigraphic Evolution of the Inner California Borderland: Template for Fill-and-Spill Sedimentation. , 2019, , 511-528.		1
14	Conversion of tectonic and climatic forcings into records of sediment supply and provenance. Scientific Reports, 2019, 9, 4115.	3.3	25
15	Grain-Size and Discharge Controls on Submarine-Fan Depositional Patterns From Forward Stratigraphic Models. Frontiers in Earth Science, 2019, 7, .	1.8	7
16	Slope-fan depositional architecture from high-resolution forward stratigraphic models. Marine and Petroleum Geology, 2018, 91, 576-585.	3.3	28
17	Volume and recurrence of submarineâ€fanâ€building turbidity currents. Depositional Record, 2018, 4, 160-176.	1.7	20
18	Sediment routing evolution in the North Alpine Foreland Basin, Austria: interplay of transverse and longitudinal sediment dispersal. Basin Research, 2018, 30, 426-447.	2.7	34

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19	Muddy sand and sandy mud on the distal Mississippi fan: Implications for lobe depositional processes. , 2018, 14, 1051-1066.		28
20	Quantifying sediment supply to continental margins: Application to the Paleogene Wilcox Group, Gulf of Mexico. AAPG Bulletin, 2018, 102, 1685-1702.	1.5	49
21	Late Cenozoic cooling favored glacial over tectonic controls on sediment supply to the western Gulf of Mexico. Geology, 2018, 46, 995-998.	4.4	37
22	Local-to-distant provenance cyclicity of the southern Front Range, central Colorado: Insights from detrital zircon geochronology. , 2018, , .		2
23	Cyclic steps and related supercritical bedforms: Building blocks of deep-water depositional systems, western North America. Marine Geology, 2017, 393, 4-20.	2.1	97
24	Early Cenozoic drainage reorganization of the United States Western Interiorâ€“Gulf of Mexico sediment routing system. Geology, 2017, 45, 187-190.	4.4	68
25	Continental weathering coupled to Paleogene climate changes in North America. Geology, 2017, 45, 911-914.	4.4	58
26	Three-Dimensional Numerical Modeling of Eustatic Control On Continental-Margin Sand Distribution. Journal of Sedimentary Research, 2016, 86, 1434-1443.	1.6	46
27	Development of cutoff-related knickpoints during early evolution of submarine channels. Geology, 2016, 44, 835-838.	4.4	33
28	Environmental signal propagation in sedimentary systems across timescales. Earth-Science Reviews, 2016, 153, 7-29.	9.1	391
29	The Stratigraphic Record of Submarine-Channel Evolution. The Sedimentary Record, 2016, 14, 4-11.	0.6	48
30	Stratigraphic rule-based reservoir modeling. Bullentin of Canadian Petroleum Geology, 2015, 63, 287-303.	0.3	46
31	Key Future Directions For Research On Turbidity Currents and Their Deposits. Journal of Sedimentary Research, 2015, 85, 153-169.	1.6	153
32	Chapter 23 Continental shelves as sediment capacitors or conveyors: source-to-sink insights from the tectonically active Oceanside shelf, southern California, USA. Geological Society Memoir, 2014, 41, 315-326.	1.7	19
33	Submarine channel initiation, filling and maintenance from seaâ€floor geomorphology and morphodynamic modelling of cyclic steps. Sedimentology, 2014, 61, 1031-1054.	3.1	121
34	Sediment transfer and deposition in slope channels: Deciphering the record of enigmatic deep-sea processes from outcrop. Bulletin of the Geological Society of America, 2014, 126, 857-871.	3.3	107
35	Erosion at inception of deep-sea channels. Marine and Petroleum Geology, 2013, 41, 48-61.	3.3	118
36	Deep-Water Channel Run-Out Length: Insights from Seafloor Geomorphology. Journal of Sedimentary Research, 2012, 82, 21-36.	1.6	32

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37	Evolution of deep-water stratigraphic architecture, Magallanes Basin, Chile. Marine and Petroleum Geology, 2011, 28, 612-628.	3.3	117
38	Architecture of turbidite channel systems on the continental slope: Patterns and predictions. Marine and Petroleum Geology, 2011, 28, 728-743.	3.3	276
39	Terrestrial source to deep-sea sink sediment budgets at high and low sea levels: Insights from tectonically active Southern California. Geology, 2011, 39, 619-622.	4.4	101
40	Rapid Climatic Signal Propagation from Source to Sink in a Southern California Sediment‚Routing System. Journal of Geology, 2010, 118, 247-259.	1.4	88
41	Intrinsic controls on the range of volumes, morphologies, and dimensions of submarine lobes. Sedimentary Geology, 2010, 232, 66-76.	2.1	160
42	Importance of predecessor basin history on sedimentary fill of a retroarc foreland basin: provenance analysis of the Cretaceous Magallanes basin, Chile (50â€“52Â°S). Basin Research, 2010, 22, 640-658.	2.7	79
43	High-Relief Slope Clinoform Development: Insights from Outcrop, Magallanes Basin, Chile. Journal of Sedimentary Research, 2010, 80, 357-375.	1.6	105
44	Origins of large crescent-shaped bedforms within the axial channel of Monterey Canyon, offshore California. , 2010, 6, 755-774.		135
45	Submarine fans at all sea-level stands: Tectono-morphologic and climatic controls on terrigenous sediment delivery to the deep sea. Geology, 2010, 38, 939-942.	4.4	237
46	The Influence of Mass-Transport-Deposit Surface Topography on the Evolution of Turbidite Architecture: The Sierra Contreras, Tres Pasos Formation (Cretaceous), Southern Chile. Journal of Sedimentary Research, 2009, 79, 287-301.	1.6	129
47	Outcrop Expression of a Continental-Margin-Scale Shelf-Edge Delta from the Cretaceous Magallanes Basin, Chile. Journal of Sedimentary Research, 2009, 79, 523-539.	1.6	52
48	Coarse-grained sediment delivery and distribution in the Holocene Santa Monica Basin, California: Implications for evaluating source-to-sink flux at millennial time scales. Bulletin of the Geological Society of America, 2009, 121, 1394-1408.	3.3	101
49	Growth patterns of deep-sea fans revisited: Turbidite-system morphology in confined basins, examples from the California Borderland. Marine Geology, 2009, 265, 51-66.	2.1	44
50	Turbidite-reservoir architecture in complex foredeep-margin and wedge-top depocenters, Tertiary Molasse foreland basin system, Austria. Marine and Petroleum Geology, 2009, 26, 379-396.	3.3	38
51	Submarine canyon and fan systems of the California Continental Borderland. , 2009, , .		36
52	Highstand fans in the California borderland: COMMENT and REPLY: REPLY. Geology, 2008, 36, e167-e167.	4.4	0
53	Highstand fans in the California borderland: The overlooked deep-water depositional systems. Geology, 2007, 35, 783.	4.4	222
54	Does the Great Valley Group contain Jurassic strata? Reevaluation of the age and early evolution of a classic forearc basin. Geology, 2006, 34, 21.	4.4	86