

Joris T Eggenhuisen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

881
citations

623734

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all docs

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docs citations

29
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Proximal to distal grain size distribution of basin floor lobes: A study from the Battfjellet Formation, Central Tertiary Basin, Svalbard. <i>Depositional Record</i> , 2022, 8, 436-456.	1.7	4
2	Blood, lead and spheres: A hindered settling equation for sedimentologists based on metadata analysis. <i>Depositional Record</i> , 2022, 8, 603-615.	1.7	8
3	Fill, flush or shuffle: How is sediment carried through submarine channels to build lobes?. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117481.	4.4	10
4	First source-to-sink monitoring shows dense head controls sediment flux and runout in turbidity currents. <i>Science Advances</i> , 2022, 8, eabj3220.	10.3	18
5	The Influence of Confining Topography Orientation on Experimental Turbidity Currents and Geological Implications. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	21
6	Flow process controls on grain type distribution in an experimental turbidity current deposit: Implications for detrital signal preservation and microplastic distribution in submarine fans. <i>Depositional Record</i> , 2021, 7, 392-415.	1.7	8
7	Turbulent diffusion modelling of sediment in turbidity currents: An experimental validation of the Rouse approach. <i>Depositional Record</i> , 2020, 6, 203-216.	1.7	15
8	Experimental distributive fluvial systems: Bridging the gap between river and rock record. <i>Depositional Record</i> , 2020, 6, 670-684.	1.7	6
9	Transport and Burial of Microplastics in Deep-Marine Sediments by Turbidity Currents. <i>Environmental Science & Technology</i> , 2020, 54, 4180-4189.	10.0	172
10	Entangled external and internal controls on submarine fan evolution: an experimental perspective. <i>Depositional Record</i> , 2020, 6, 605-624.	1.7	23
11	The influence of basin setting and turbidity current properties on the dimensions of submarine lobe elements. <i>Sedimentology</i> , 2020, 67, 3471-3491.	3.1	21
12	New flow relaxation mechanism explains scour fields at the end of submarine channels. <i>Nature Communications</i> , 2019, 10, 4425.	12.8	51
13	A new rheological model for thixoelectric materials in subaqueous gravity driven flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 266, 102-117.	2.4	8
14	Linking submarine channel levee facies and architecture to flow structure of turbidity currents: insights from flume tank experiments. <i>Sedimentology</i> , 2018, 65, 931-951.	3.1	24
15	Sediment Volume and Grain-Size Partitioning Between Submarine Channel Levee Systems and Lobes: An Experimental Study. <i>Journal of Sedimentary Research</i> , 2018, 88, 777-794.	1.6	18
16	Wave Ripple Development on Mixed Clay-Sand Substrates: Effects of Clay Winnowing and Armoring. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2784-2801.	2.8	12
17	A Classification of Clay-Rich Subaqueous Density Flow Structures. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 945-966.	2.8	11
18	The stratigraphic record and processes of turbidity current transformation across deep-marine lobes. <i>Sedimentology</i> , 2017, 64, 1236-1273.	3.1	104

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19	Physical theory for near-bed turbulent particle suspension capacity. <i>Earth Surface Dynamics</i> , 2017, 5, 269-281.	2.4	22
20	Morphodynamics of submarine channel inception revealed by new experimental approach. <i>Nature Communications</i> , 2016, 7, 10886.	12.8	73
21	Deep-Water Sediment Bypass. <i>Journal of Sedimentary Research</i> , 2015, 85, 1058-1081.	1.6	164
22	Dynamic deviation of fluid pressure from hydrostatic pressure in turbidity currents. <i>Geology</i> , 2012, 40, 295-298.	4.4	5
23	The vertical turbulence structure of experimental turbidity currents encountering basal obstructions: implications for vertical suspended sediment distribution in non-equilibrium currents. <i>Sedimentology</i> , 2012, 59, 1101-1120.	3.1	37
24	Shallow erosion beneath turbidity currents and its impact on the architectural development of turbidite sheet systems. <i>Sedimentology</i> , 2011, 58, 936-959.	3.1	42