Ian A Kane

List of Publications by Year
in descending order

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52 papers	2,857 citations	218677 26 h-index	168389 53 g-index
63 all docs	63 docs citations	63 times ranked	2126 citing authors

#	Article	IF	Citations
1	Fill, flush or shuffle: How is sediment carried through submarine channels to build lobes?. Earth and Planetary Science Letters, 2022, 584, 117481.	4.4	10
2	Learning from natural sediments to tackle microplastics challenges: A multidisciplinary perspective. Earth-Science Reviews, 2022, 228, 104021.	9.1	62
3	Evolution of a mixed siliciclasticâ€carbonate deepâ€marine system on an unstable margin: The Cretaceous of the Eastern Greater Caucasus, Azerbaijan. Basin Research, 2021, 33, 612-647.	2.7	14
4	Interactions between deep-water gravity flows and active salt tectonics. Journal of Sedimentary Research, 2021, 91, 34-65.	1.6	16
5	The Influence of Confining Topography Orientation on Experimental Turbidity Currents and Geological Implications. Frontiers in Earth Science, 2021, 8, .	1.8	21
6	Flowâ€process controls on grain type distribution in an experimental turbidity current deposit: Implications for detrital signal preservation and microplastic distribution in submarine fans. Depositional Record, 2021, 7, 392-415.	1.7	8
7	Halokinetic modulation of sedimentary thickness and architecture: A numerical modelling approach. Basin Research, 2021, 33, 2572-2604.	2.7	5
8	The Concavity of Submarine Canyon Longitudinal Profiles. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006185.	2.8	7
9	Supercritical flows overspilling from bypassâ€dominated submarine channels and the development of overbank bedforms. Depositional Record, 2020, 6, 21-40.	1.7	9
10	Seafloor microplastic hotspots controlled by deep-sea circulation. Science, 2020, 368, 1140-1145.	12.6	430
11	Effects of sedimentary processes and diagenesis on reservoir quality of submarine lobes of the Huangliu Formation in the Yinggehai Basin, China. Marine and Petroleum Geology, 2020, 120, 104526.	3.3	16
12	Megaclasts within mass-transport deposits: their origin, characteristics and effect on substrates and succeeding flows. Geological Society Special Publication, 2020, 500, 515-530.	1.3	12
13	Transport and Burial of Microplastics in Deep-Marine Sediments by Turbidity Currents. Environmental Science & Technology, 2020, 54, 4180-4189.	10.0	172
14	Entangled external and internal controls on submarine fan evolution: an experimental perspective. Depositional Record, 2020, 6, 605-624.	1.7	23
15	Architecture, process, and environmental diversity in a late Cretaceous slope channel system. Journal of Sedimentary Research, 2020, 90, 1-26.	1.6	16
16	Stratigraphic hierarchy and threeâ€dimensional evolution of an exhumed submarine slope channel system. Sedimentology, 2020, 67, 3259-3289.	3.1	9
17	An adventure in predatory publishing: the contents of two medicine cabinets. Nature, 2019, 568, 316-316.	27.8	3
18	The stratigraphic evolution of onlap in siliciclastic deep-water systems: Autogenic modulation of allogenic signals. Journal of Sedimentary Research, 2019, 89, 890-917.	1.6	23

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19	Dispersion, Accumulation, and the Ultimate Fate of Microplastics in Deep-Marine Environments: A Review and Future Directions. Frontiers in Earth Science, 2019, 7, .	1.8	258
20	Formation of detrital clay grain coats by dewatering of deep-water sands and significance for reservoir quality. Journal of Sedimentary Research, 2019, 89, 1231-1249.	1.6	20
21	Topographic Controls On the Development of Contemporaneous but Contrasting Basin-Floor Depositional Architectures. Journal of Sedimentary Research, 2018, 88, 1166-1189.	1.6	31
22	Giant submarine landslide triggered by Paleocene mantle plume activity in the North Atlantic. Geology, 2018, 46, 511-514.	4.4	23
23	Spatial variability in depositional reservoir quality of deep-water channel-fill and lobe deposits. Marine and Petroleum Geology, 2018, 98, 97-115.	3.3	57
24	Regional distribution and controls on the development of post-rift turbidite systems: insights from the Paleocene of the eastern North Viking Graben, offshore Norway. Petroleum Geology Conference Proceedings, 2018, 8, 147-170.	0.7	6
25	Frontal and Lateral Submarine Lobe Fringes: Comparing Sedimentary Facies, Architecture and Flow Processes. Journal of Sedimentary Research, 2017, 87, 75-96.	1.6	96
26	Differentiating submarine channel-related thin-bedded turbidite facies: Outcrop examples from the Rosario Formation, Mexico. Sedimentary Geology, 2017, 358, 19-34.	2.1	24
27	The stratigraphic record and processes of turbidity current transformation across deepâ€marine lobes. Sedimentology, 2017, 64, 1236-1273.	3.1	104
28	Submarine channel evolution, terrace development, and preservation of intra-channel thin-bedded turbidites: Mahin and Avon channels, offshore Nigeria. Marine Geology, 2017, 383, 146-167.	2.1	63
29	Hybrid event beds dominated by transitionalâ€flow facies: character, distribution and significance in the Maastrichtian Springar Formation, northâ€west VÃ¸ring Basin, Norwegian Sea. Sedimentology, 2017, 64, 747-776.	3.1	63
30	The Effect of Clay Type On the Properties of Cohesive Sediment Gravity Flows and Their Deposits. Journal of Sedimentary Research, 2017, 87, 1176-1195.	1.6	39
31	Deep-water clastic systems in the Upper Carboniferous (Upper Mississippianâ€“Lower Pennsylvanian) Shannon Basin, western Ireland. AAPG Bulletin, 2017, 101, 433-439.	1.5	8
32	Fluvio-Marine Sediment Partitioning As A Function of Basin Water Depth. Journal of Sedimentary Research, 2016, 86, 217-235.	1.6	17
33	The classical turbidite outcrop at San Clemente, California revisited: An example of sandy submarine channels with asymmetric facies architecture. Sedimentary Geology, 2016, 346, 1-16.	2.1	23
34	A Sedimentological Process-Based Approach To Depositional Reservoir Quality of Deep-Marine Sandstones: An Example From the Springar Formation, Northwestern VÃ¸ring Basin, Norwegian Sea. Journal of Sedimentary Research, 2016, 86, 1269-1286.	1.6	48
35	Time-Transgressive Confinement On the Slope and the Progradation of Basin-Floor Fans: Implications For the Sequence Stratigraphy of Deep-Water Deposits. Journal of Sedimentary Research, 2016, 86, 73-86.	1.6	80
36	Supercritical-flow structures on a Late Carboniferous delta front: Sedimentologic and paleoclimatic significance: COMMENT. Geology, 2015, 43, e374-e374.	4.4	6

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37	Genesis and character of thin-bedded turbidites associated with submarine channels. Marine and Petroleum Geology, 2015, 67, 852-879.	3.3	91
38	Ichnodiversity and ichnoabundance: Revealing depositional trends in a confined turbidite system. Sedimentology, 2014, 61, 2218-2267.	3.1	37
39	Integrating modern seafloor and outcrop data in the analysis of slope channel architecture and fill. Marine and Petroleum Geology, 2013, 41, 83-103.	3.3	35
40	Seismic modeling in the analysis of deep-water sandstone termination styles. AAPG Bulletin, 2013, 97, 1395-1419.	1.5	32
41	Global (latitudinal) variation in submarine channel sinuosity: REPLY. Geology, 2013, 41, e288-e288.	4.4	15
42	Global (latitudinal) variation in submarine channel sinuosity. Geology, 2012, 40, 11-14.	4.4	68
43	Submarine transitional flow deposits in the Paleogene Gulf of Mexico. Geology, 2012, 40, 1119-1122.	4.4	147
44	Halokinetic effects on submarine channel equilibrium profiles and implications for facies architecture: conceptual model illustrated with a case study from Magnolia Field, Gulf of Mexico. Geological Society Special Publication, 2012, 363, 289-302.	1.3	12
45	Sedimentological criteria to differentiate submarine channel levee subenvironments: Exhumed examples from the Rosario Fm. (Upper Cretaceous) of Baja California, Mexico, and the Fort Brown Fm. (Permian), Karoo Basin, S. Africa. Marine and Petroleum Geology, 2011, 28, 807-823.	3.3	169
46	Turbulence, displacement, death and worms: a day in the life of a fluvial Carboniferous bivalve. Lethaia, 2010, 43, 381-395.	1.4	2
47	Submarine channel levee shape and sediment waves from physical experiments. Sedimentary Geology, 2010, 223, 75-85.	2.1	68
48	Submarine channel response to intrabasinal tectonics: The influence of lateral tilt. AAPG Bulletin, 2010, 94, 189-219.	1.5	48
49	Development and flow structures of sand injectites: The Hind Sandstone Member injectite complex, Carboniferous, UK. Marine and Petroleum Geology, 2010, 27, 1200-1215.	3.3	32
50	Architecture of a coarseâ€grained channelâ€“levÃ©e system: the Rosario Formation, Baja California, Mexico. Sedimentology, 2009, 56, 2207-2234.	3.1	62
51	Controls on sinuosity evolution within submarine channels. Geology, 2008, 36, 287.	4.4	74
52	Anatomy of a submarine channelâ€“levee: An example from Upper Cretaceous slope sediments, Rosario Formation, Baja California, Mexico. Marine and Petroleum Geology, 2007, 24, 540-563.	3.3	133