

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
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63
all docs

63
docs citations

63
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	Seafloor microplastic hotspots controlled by deep-sea circulation. <i>Science</i> , 2020, 368, 1140-1145.	12.6	430
2	Dispersion, Accumulation, and the Ultimate Fate of Microplastics in Deep-Marine Environments: A Review and Future Directions. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	258
3	Transport and Burial of Microplastics in Deep-Marine Sediments by Turbidity Currents. <i>Environmental Science & Technology</i> , 2020, 54, 4180-4189.	10.0	172
4	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. <i>Marine and Petroleum Geology</i> , 2011, 28, 807-823.	3.3	169
5	Submarine transitional flow deposits in the Paleogene Gulf of Mexico. <i>Geology</i> , 2012, 40, 1119-1122.	4.4	147
6	Anatomy of a submarine channelâ€“levee: An example from Upper Cretaceous slope sediments, Rosario Formation, Baja California, Mexico. <i>Marine and Petroleum Geology</i> , 2007, 24, 540-563.	3.3	133
7	The stratigraphic record and processes of turbidity current transformation across deepâ€“marine lobes. <i>Sedimentology</i> , 2017, 64, 1236-1273.	3.1	104
8	Frontal and Lateral Submarine Lobe Fringes: Comparing Sedimentary Facies, Architecture and Flow Processes. <i>Journal of Sedimentary Research</i> , 2017, 87, 75-96.	1.6	96
9	Genesis and character of thin-bedded turbidites associated with submarine channels. <i>Marine and Petroleum Geology</i> , 2015, 67, 852-879.	3.3	91
10	Time-Transgressive Confinement On the Slope and the Progradation of Basin-Floor Fans: Implications For the Sequence Stratigraphy of Deep-Water Deposits. <i>Journal of Sedimentary Research</i> , 2016, 86, 73-86.	1.6	80
11	Controls on sinuosity evolution within submarine channels. <i>Geology</i> , 2008, 36, 287.	4.4	74
12	Submarine channel levee shape and sediment waves from physical experiments. <i>Sedimentary Geology</i> , 2010, 223, 75-85.	2.1	68
13	Global (latitudinal) variation in submarine channel sinuosity. <i>Geology</i> , 2012, 40, 11-14.	4.4	68
14	Submarine channel evolution, terrace development, and preservation of intra-channel thin-bedded turbidites: Mahin and Avon channels, offshore Nigeria. <i>Marine Geology</i> , 2017, 383, 146-167.	2.1	63
15	Hybrid event beds dominated by transitionalâ€“flow facies: character, distribution and significance in the Maastrichtian Springar Formation, northâ€“west VÃƒring Basin, Norwegian Sea. <i>Sedimentology</i> , 2017, 64, 747-776.	3.1	63
16	Architecture of a coarseâ€“grained channelâ€“levee system: the Rosario Formation, Baja California, Mexico. <i>Sedimentology</i> , 2009, 56, 2207-2234.	3.1	62
17	Learning from natural sediments to tackle microplastics challenges: A multidisciplinary perspective. <i>Earth-Science Reviews</i> , 2022, 228, 104021.	9.1	62
18	Spatial variability in depositional reservoir quality of deep-water channel-fill and lobe deposits. <i>Marine and Petroleum Geology</i> , 2018, 98, 97-115.	3.3	57

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19	Submarine channel response to intrabasinal tectonics: The influence of lateral tilt. AAPG Bulletin, 2010, 94, 189-219.	1.5	48
20	A Sedimentological Process-Based Approach To Depositional Reservoir Quality of Deep-Marine Sandstones: An Example From the Springar Formation, Northwestern VÅring Basin, Norwegian Sea. Journal of Sedimentary Research, 2016, 86, 1269-1286.	1.6	48
21	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
22	Ichnodiversity and ichnoabundance: Revealing depositional trends in a confined turbidite system. Sedimentology, 2014, 61, 2218-2267.	3.1	37
23	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
24	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
25	Seismic modeling in the analysis of deep-water sandstone termination styles. AAPG Bulletin, 2013, 97, 1395-1419.	1.5	32
26	Topographic Controls On the Development of Contemporaneous but Contrasting Basin-Floor Depositional Architectures. Journal of Sedimentary Research, 2018, 88, 1166-1189.	1.6	31
27	Differentiating submarine channel-related thin-bedded turbidite facies: Outcrop examples from the Rosario Formation, Mexico. Sedimentary Geology, 2017, 358, 19-34.	2.1	24
28	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
29	Giant submarine landslide triggered by Paleocene mantle plume activity in the North Atlantic. Geology, 2018, 46, 511-514.	4.4	23
30	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
31	Entangled external and internal controls on submarine fan evolution: an experimental perspective. Depositional Record, 2020, 6, 605-624.	1.7	23
32	The Influence of Confining Topography Orientation on Experimental Turbidity Currents and Geological Implications. Frontiers in Earth Science, 2021, 8, .	1.8	21
33	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
34	Fluvio-Marine Sediment Partitioning As A Function of Basin Water Depth. Journal of Sedimentary Research, 2016, 86, 217-235.	1.6	17
35	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
36	Architecture, process, and environmental diversity in a late Cretaceous slope channel system. Journal of Sedimentary Research, 2020, 90, 1-26.	1.6	16

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37	Interactions between deep-water gravity flows and active salt tectonics. <i>Journal of Sedimentary Research</i> , 2021, 91, 34-65.	1.6	16
38	Global (latitudinal) variation in submarine channel sinuosity: REPLY. <i>Geology</i> , 2013, 41, e288-e288.	4.4	15
39	Evolution of a mixed siliciclastic-carbonate deep-marine system on an unstable margin: The Cretaceous of the Eastern Greater Caucasus, Azerbaijan. <i>Basin Research</i> , 2021, 33, 612-647.	2.7	14
40	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. <i>Geological Society Special Publication</i> , 2012, 363, 289-302.	1.3	12
41	Megaclasts within mass-transport deposits: their origin, characteristics and effect on substrates and succeeding flows. <i>Geological Society Special Publication</i> , 2020, 500, 515-530.	1.3	12
42	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
43	Supercritical flows overspilling from bypass-dominated submarine channels and the development of overbank bedforms. <i>Depositional Record</i> , 2020, 6, 21-40.	1.7	9
44	Stratigraphic hierarchy and three-dimensional evolution of an exhumed submarine slope channel system. <i>Sedimentology</i> , 2020, 67, 3259-3289.	3.1	9
45	Deep-water clastic systems in the Upper Carboniferous (Upper Mississippian-Lower Pennsylvanian) Shannon Basin, western Ireland. <i>AAPG Bulletin</i> , 2017, 101, 433-439.	1.5	8
46	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
47	The Concavity of Submarine Canyon Longitudinal Profiles. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006185.	2.8	7
48	Supercritical-flow structures on a Late Carboniferous delta front: Sedimentologic and paleoclimatic significance: COMMENT. <i>Geology</i> , 2015, 43, e374-e374.	4.4	6
49	Regional distribution and controls on the development of post-rift turbidite systems: insights from the Paleocene of the eastern North Viking Graben, offshore Norway. <i>Petroleum Geology Conference Proceedings</i> , 2018, 8, 147-170.	0.7	6
50	Halokinetic modulation of sedimentary thickness and architecture: A numerical modelling approach. <i>Basin Research</i> , 2021, 33, 2572-2604.	2.7	5
51	An adventure in predatory publishing: the contents of two medicine cabinets. <i>Nature</i> , 2019, 568, 316-316.	27.8	3
52	Turbulence, displacement, death and worms: a day in the life of a fluvial Carboniferous bivalve. <i>Lethaia</i> , 2010, 43, 381-395.	1.4	2