

James L Best

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

13,932
citations

19657

61
h-index

27406

106
g-index

247
all docs

247
docs citations

247
times ranked

6616
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Triassic tectono-volcanic activity and resulting soft-sediment deformation structures in the Yanchang Formation (Ordos Basin, China). , 2022, , 371-393.		0
2	Topographic perturbation of turbulent boundary layers by low-angle, early-stage aeolian dunes. Earth Surface Processes and Landforms, 2022, 47, 1439-1454.	2.5	3
3	On the turbulence dynamics induced by a surrogate seagrass canopy. Journal of Fluid Mechanics, 2022, 934, .	3.4	7
4	Sedimentary pyrite in carbonaceous shales of the Mamfe Cretaceous basin, SW Cameroon: Morphologies, composition, pyrite framboid size frequency distribution, and formation pathways. Journal of African Earth Sciences, 2022, 188, 104465.	2.0	3
5	The morphology of fluvial-tidal dunes: Lower Columbia River, Oregon/Washington, USA. Earth Surface Processes and Landforms, 2022, 47, 2079-2106.	2.5	2
6	Amplification of downstream flood stage due to damming of fine-grained rivers. Nature Communications, 2022, 13, .	12.8	18
7	How Do Vulnerable People in Bangladesh Experience Environmental Stress From Sedimentation in the Haor Wetlands? An Exploratory Study. Water Resources Research, 2022, 58, .	4.2	6
8	Beyond just floodwater. Nature Sustainability, 2022, 5, 811-813.	23.7	7
9	On the submerged low-Cauchy-number canopy dynamics under unidirectional flows. Journal of Fluids and Structures, 2022, 113, 103646.	3.4	3
10	Subaqueous and Subaerial Depositional Bedforms. , 2021, , 771-786.		2
11	The sedimentary architecture of hyperpycnites produced by transient turbulent flows in a shallow lacustrine environment. Sedimentary Geology, 2021, 411, 105804.	2.1	9
12	Rapid gravity flow transformation revealed in a single climbing ripple. Geology, 2021, 49, 493-497.	4.4	5
13	The Effect of Biofilms on Turbulent Flow Over Permeable Beds. Water Resources Research, 2021, 57, e2019WR026032.	4.2	4
14	Using multibeam backscatter strength to analyze the distribution of manganese nodules: A case study of seamounts in the Western Pacific Ocean. Applied Acoustics, 2021, 173, 107729.	3.3	12
15	The mysterious grooves of Volc�n B�rcena: a review of the role of streamwise counter-rotating vortices during erosion by dilute pyroclastic density currents. Bulletin of Volcanology, 2021, 83, 1.	3.0	2
16	Unsteady dynamics of turbulent flow in the wakes of barchan dunes modulated by overlying boundary-layer structure. Journal of Fluid Mechanics, 2021, 920, .	3.4	4
17	Sand, gravel, and UN Sustainable Development Goals: Conflicts, synergies, and pathways forward. One Earth, 2021, 4, 1095-1111.	6.8	59
18	The Influence of Three-Dimensional Topography on Turbulent Flow Structures Over Dunes in Unidirectional Flows. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006121.	2.8	7

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19	PIV measurements of turbulent flow overlying large, cubic- and hexagonally-packed hemisphere arrays. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020, 58, 363-383.	1.7	13
20	Influence of Dunes on Channelâ€Scale Flow and Sediment Transport in a Sand Bed Braided River. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005571.	2.8	10
21	Dune-scale cross-strata across the fluvial-deltaic backwater regime: Preservation potential of an autogenic stratigraphic signature. <i>Geology</i> , 2020, 48, 1144-1148.	4.4	9
22	The Pace of Human-Induced Change in Large Rivers: Stresses, Resilience, and Vulnerability to Extreme Events. <i>One Earth</i> , 2020, 2, 510-514.	6.8	37
23	Why do large, deep rivers have low-angle dune beds?: COMMENT. <i>Geology</i> , 2020, 48, e505-e505.	4.4	5
24	Alluvial architecture of midâ€channel fluvialâ€tidal barforms: The mesotidal Lower Columbia River, Oregon/Washington, USA. <i>Sedimentology</i> , 2020, 67, 3533-3566.	3.1	3
25	Novel Environment Enables PIV Measurements of Turbulent Flow around and within Complex Topographies. <i>Journal of Hydraulic Engineering</i> , 2020, 146, 04020033.	1.5	9
26	An integrated processâ€based model of flutes and tool marks in deepâ€water environments: Implications for palaeohydraulics, the Bouma sequence and hybrid event beds. <i>Sedimentology</i> , 2020, 67, 1601-1666.	3.1	48
27	River bank instability from unsustainable sand mining in the lower Mekong River. <i>Nature Sustainability</i> , 2020, 3, 217-225.	23.7	153
28	Secondary Flows and Vortex Structure Associated With Isolated and Interacting Barchan Dunes. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005257.	2.8	18
29	Experimental evidence of amplitude modulation in permeable-wall turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 887, .	3.4	34
30	Dunes in the worldâ€™s big rivers are characterized by low-angle lee-side slopes and a complex shape. <i>Nature Geoscience</i> , 2020, 13, 156-162.	12.9	72
31	Soft-sediment deformation structures as indicators of tectono-volcanic activity during evolution of a lacustrine basin: A case study from the Upper Triassic Ordos Basin, China. <i>Marine and Petroleum Geology</i> , 2020, 115, 104250.	3.3	18
32	Drainage and erosion of Cambodiaâ€™s great lake in the middle-late Holocene: The combined role of climatic drying, base-level fall and river capture. <i>Quaternary Science Reviews</i> , 2020, 236, 106265.	3.0	5
33	Source apportionment of soil heavy metals in fluvial islands, Anhui section of the lower Yangtze River: comparison of APCSâ€™MLR and PMF. <i>Journal of Soils and Sediments</i> , 2020, 20, 3380-3393.	3.0	31
34	Interpreting pre-vegetation landscape dynamics: The Cambrian Lower Mount Simon Sandstone, Illinois, U.S.A.. <i>Journal of Sedimentary Research</i> , 2020, 90, 1614-1641.	1.6	5
35	The sedimentology of river confluences. <i>Sedimentology</i> , 2019, 66, 391-407.	3.1	19
36	Early burial mud diapirism and its impact on stratigraphic architecture in the Carboniferous of the Shannon Basin, County Clare, Ireland. <i>Sedimentology</i> , 2019, 66, 329-361.	3.1	7

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37	Sedimentologic and palaeoenvironmental evolution of the Mamfe Cretaceous Basin (SW Cameroon): Evidence from lithofacies analysis, tectonics and evaporite minerals suite. <i>Journal of African Earth Sciences</i> , 2019, 149, 19-41.	2.0	16
38	“Boundary”™: mapping and visualizing climatically changed landscapes at Kaskawulsh Glacier and Kluane Lake, Yukon. <i>Journal of Maps</i> , 2019, 15, 19-30.	2.0	2
39	Time is running out for sand. <i>Nature</i> , 2019, 571, 29-31.	27.8	260
40	River temperature and the thermal-dynamic transport of sediment. <i>Global and Planetary Change</i> , 2019, 178, 168-183.	3.5	21
41	Observations and scaling of tidal mass transport across the lower Ganges–Brahmaputra delta plain: implications for delta management and sustainability. <i>Earth Surface Dynamics</i> , 2019, 7, 231-245.	2.4	37
42	Spatial Scales of Turbulent Flow Structures Associated With Interacting Barchan Dunes. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1175-1200.	2.8	22
43	Small- and large- scale soft-sediment deformations in a Triassic lacustrine delta caused by overloading and seismicity in the Ordos Basin, central China. <i>Marine and Petroleum Geology</i> , 2019, 103, 126-149.	3.3	10
44	Anthropogenic stresses on the world’s big rivers. <i>Nature Geoscience</i> , 2019, 12, 7-21.	12.9	703
45	Describing fluvial systems: linking processes to deposits and stratigraphy. <i>Geological Society Special Publication</i> , 2019, 488, 152-166.	1.3	24
46	Quantification of bedform dynamics and bedload sediment flux in sandy braided rivers from airborne and satellite imagery. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 953-972.	2.5	24
47	Turbulence Links Momentum and Solute Exchange in Coarse-Grained Streambeds. <i>Water Resources Research</i> , 2018, 54, 3225-3242.	4.2	36
48	The influence of tributary flow density differences on the hydrodynamic behavior of a confluent meander bend and implications for flow mixing. <i>Geomorphology</i> , 2018, 304, 99-112.	2.6	46
49	The influence of flow discharge variations on the morphodynamics of a diffuence–confluence unit on a large river. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 349-362.	2.5	41
50	The planform mobility of river channel confluences: Insights from analysis of remotely sensed imagery. <i>Earth-Science Reviews</i> , 2018, 176, 1-18.	9.1	76
51	Linking the local vertical variability of permeability and porosity to newly-interpreted lithofacies in the lower Mt. Simon CO2 reservoir. <i>International Journal of Greenhouse Gas Control</i> , 2018, 68, 26-41.	4.6	3
52	On the Causes of Pulsing in Continuous Turbidity Currents. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2827-2843.	2.8	23
53	The Impact of Nonequilibrium Flow on the Structure of Turbulence Over River Dunes. <i>Water Resources Research</i> , 2018, 54, 6566-6584.	4.2	16
54	Hydrodynamic modelling of tidal-fluvial flows in a large river estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 212, 176-188.	2.1	36

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55	Turbulent Flow Structure Associated With Collision Between Laterally Offset, Fixed-Bed Barchan Dunes. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2157-2188.	2.8	29
56	Experimental study of turbulent flow over and within cubically packed walls of spheres: Effects of topography, permeability and wall thickness. <i>International Journal of Heat and Fluid Flow</i> , 2018, 73, 16-29.	2.4	26
57	The bubble bursts for cavitation in natural rivers: laboratory experiments reveal minor role in bedrock erosion. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1308-1316.	2.5	34
58	River piracy and drainage basin reorganization led by climate-driven glacier retreat. <i>Nature Geoscience</i> , 2017, 10, 370-375.	12.9	107
59	An evaluation of the use of a multibeam echo-sounder for observations of suspended sediment. <i>Applied Acoustics</i> , 2017, 126, 81-90.	3.3	12
60	A numerical investigation into the importance of bed permeability on determining flow structures over river dunes. <i>Water Resources Research</i> , 2017, 53, 3067-3086.	4.2	27
61	Length scales and statistical characteristics of outer bank roughness for large elongate meander bends: The influence of bank material properties, floodplain vegetation and flow inundation. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2024-2037.	2.5	40
62	Extreme flood-driven fluvial bank erosion and sediment loads: direct process measurements using integrated Mobile Laser Scanning (MLS) and hydroacoustic techniques. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 334-346.	2.5	39
63	Evolving Depocentre and Slope. , 2016, , 174-239.		2
64	Comparing the transitional behaviour of kaolinite and bentonite suspension flows. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1911-1921.	2.5	12
65	The alluvial architecture of a suspended sediment dominated meandering river: the Río Bermejo, Argentina. <i>Sedimentology</i> , 2016, 63, 1187-1208.	3.1	52
66	On the evolution and form of coherent flow structures over a gravel bed: Insights from whole flow field visualization and measurement. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1472-1493.	2.8	40
67	Three-dimensional flow structure and bed morphology in large elongate meander loops with different outer bank roughness characteristics. <i>Water Resources Research</i> , 2016, 52, 9621-9641.	4.2	60
68	Fluvial sediment supply to a mega-delta reduced by shifting tropical-cyclone activity. <i>Nature</i> , 2016, 539, 276-279.	27.8	187
69	Predicting bedforms and primary current stratification in cohesive mixtures of mud and sand. <i>Journal of the Geological Society</i> , 2016, 173, 12-45.	2.1	127
70	The role of discharge variability in determining alluvial stratigraphy. <i>Geology</i> , 2016, 44, 3-6.	4.4	36
71	Bedform genesis in bedrock substrates: Insights into formative processes from a new experimental approach and the importance of suspension-dominated abrasion. <i>Geomorphology</i> , 2016, 255, 26-38.	2.6	7
72	Spatial variability in bank resistance to erosion on a large meandering, mixed bedrock-alluvial river. <i>Geomorphology</i> , 2016, 252, 80-97.	2.6	108

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73	Modulation of outer bank erosion by slump blocks: Disentangling the protective and destructive role of failed material on the three-dimensional flow structure. <i>Geophysical Research Letters</i> , 2015, 42, 10,663.	4.0	65
74	Grain-Size Controls On the Morphology and Internal Geometry of River-Dominated Deltas. <i>Journal of Sedimentary Research</i> , 2015, 85, 699-714.	1.6	34
75	Fluvio-deltaic avulsions during relative sea-level fall. <i>Geology</i> , 2015, 43, 719-722.	4.4	25
76	Extremes in dune preservation: Controls on the completeness of fluvial deposits. <i>Earth-Science Reviews</i> , 2015, 150, 652-665.	9.1	50
77	The impact of significant input of fine sediment on benthic fauna at tributary junctions: a case study of the Bermejo-Paraguay River confluence, Argentina. <i>Ecohydrology</i> , 2015, 8, 340-352.	2.4	46
78	A New Phase Diagram for Combined-Flow Bedforms. <i>Journal of Sedimentary Research</i> , 2014, 84, 301-313.	1.6	57
79	A unified model for bedform development and equilibrium under unidirectional, oscillatory and combined-flows. <i>Sedimentology</i> , 2014, 61, 2063-2085.	3.1	41
80	Scales and causes of heterogeneity in bars in a large multi-channel river: Río Paraná, Argentina. <i>Sedimentology</i> , 2014, 61, 1055-1085.	3.1	48
81	Effect of bed permeability and hyporheic flow on turbulent flow over bed forms. <i>Geophysical Research Letters</i> , 2014, 41, 6435-6442.	4.0	50
82	Bed form genesis from bed defects under unidirectional, oscillatory, and combined flows. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2635-2652.	2.8	12
83	Velocity Mapping Toolbox (VMT): a processing and visualization suite for moving-vessel ADCP measurements. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1244-1260.	2.5	151
84	Discrimination of bed form scales using robust spline filters and wavelet transforms: Methods and application to synthetic signals and bed forms of the Río Paraná, Argentina. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1400-1418.	2.8	47
85	Paragenetic sequences of carbonate and sulphide minerals of the Mamfe Basin (Cameroon): Indicators of palaeo-fluids, palaeo-oxygen levels and diagenetic zones. <i>Journal of African Earth Sciences</i> , 2013, 86, 25-44.	2.0	32
86	Deposits of the sandy braided South Saskatchewan River: Implications for the use of modern analogs in reconstructing channel dimensions in reservoir characterization. <i>AAPG Bulletin</i> , 2013, 97, 553-576.	1.5	37
87	Three-dimensional gravity-current flow within a subaqueous bend: Spatial evolution and force balance variations. <i>Sedimentology</i> , 2013, 60, 1668-1680.	3.1	15
88	Decimeter-scale in situ mapping of modern cross-bedded dune deposits using parametric echo sounding: A new method for linking river processes and their deposits. <i>Geophysical Research Letters</i> , 2013, 40, 3883-3887.	4.0	15
89	Monitoring the generation and evolution of the sediment plume behind towed fishing gears using a multibeam echosounder. <i>ICES Journal of Marine Science</i> , 2013, 70, 892-903.	2.5	16
90	Quantification of the relation between surface morphodynamics and subsurface sedimentological product in sandy braided rivers. <i>Sedimentology</i> , 2013, 60, 820-839.	3.1	25

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91	A flume experiment on the effect of channel width on the perturbation and recovery of flow in straight pools and riffles with smooth boundaries. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1850-1863.	2.8	43
92	Bedforms: views and new perspectives from the third international workshop on Marine and River Dune Dynamics (MARID3). <i>Earth Surface Processes and Landforms</i> , 2013, 38, 319-329.	2.5	16
93	Large eddy simulation of interacting barchan dunes in a steady, unidirectional flow. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2089-2104.	2.8	26
94	Flow structure and channel morphodynamics of meander bend chute cutoffs: A case study of the Wabash River, USA. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2468-2487.	2.8	91
95	Application of a roughness-length representation to parameterize energy loss in 3D numerical simulations of large rivers. <i>Water Resources Research</i> , 2012, 48, .	4.2	14
96	Modelling hydrodynamics in the Rio Paran�i, Argentina: An evaluation and inter-comparison of reduced-complexity and physics based models applied to a large sand-bed river. <i>Geomorphology</i> , 2012, 169-170, 192-211.	2.6	30
97	Flow fields, bed shear stresses, and suspended bed sediment dynamics in bifurcations of a large river. <i>Water Resources Research</i> , 2012, 48, .	4.2	73
98	Sediment mobility and bed armoring in the St Clair River: insights from hydrodynamic modeling. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 957-970.	2.5	9
99	Mitigating land loss in coastal Louisiana by controlled diversion of Mississippi River sand. <i>Nature Geoscience</i> , 2012, 5, 534-537.	12.9	100
100	Quantifying the dynamics of flow within a permeable bed using time-resolved endoscopic particle imaging velocimetry (EPIV). <i>Experiments in Fluids</i> , 2012, 53, 51-76.	2.4	31
101	Tributary, distributary and other fluvial patterns: What really represents the norm in the continental rock record?. <i>Sedimentary Geology</i> , 2012, 261-262, 15-32.	2.1	81
102	Particle-image velocimetry measurements of flow over interacting barchan dunes. <i>Experiments in Fluids</i> , 2012, 52, 809-829.	2.4	50
103	Extreme sediment pulses generated by bend cutoffs along a large meandering river. <i>Nature Geoscience</i> , 2011, 4, 675-678.	12.9	115
104	Bed morphology, flow structure, and sediment transport at the outlet of Lake Huron and in the upper St. Clair River. <i>Journal of Great Lakes Research</i> , 2011, 37, 480-493.	1.9	18
105	Preface to Decadal Issue. <i>Sedimentology</i> , 2011, 58, 1-1.	3.1	1
106	Evolution and sedimentology of a channel fill in the sandy braided South Saskatchewan River and its comparison to the deposits of an adjacent compound bar. <i>Sedimentology</i> , 2011, 58, 1860-1883.	3.1	99
107	Depositional processes, bedform development and hybrid bed formation in rapidly decelerated cohesive (mud-sand) sediment flows. <i>Sedimentology</i> , 2011, 58, 1953-1987.	3.1	198
108	On determining the geometric and kinematic characteristics of coherent flow structures over a gravel bed: a new approach using combined PLIF-EPIV. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 279-284.	2.5	11

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109	An experimental study of discharge partitioning and flow structure at symmetrical bifurcations. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 2069-2082.	2.5	52
110	Sedimentation in deep-sea lobe-elements: implications for the origin of thickening-upward sequences. <i>Journal of the Geological Society</i> , 2011, 168, 319-332.	2.1	72
111	Wavelets Application to Study the Bedforms of Parana River. , 2011, , .		0
112	The influence of dunes on mixing in a migrating salt wedge: Fraser River estuary, Canada. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 460-465.	2.5	5
113	Quantification of braided river channel change using archival digital image analysis. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 971-985.	2.5	94
114	On the relationship between flow and suspended sediment transport over the crest of a sand dune, Río Paraná, Argentina. <i>Sedimentology</i> , 2010, 57, 252-272.	3.1	74
115	Monitoring Suspended Sediment Dynamics Using MBES. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 45-49.	1.5	23
116	Can we distinguish flood frequency and magnitude in the sedimentological record of rivers?. <i>Geology</i> , 2010, 38, 579-582.	4.4	59
117	Fluvial form in modern continental sedimentary basins: Distributive fluvial systems: COMMENT. <i>Geology</i> , 2010, 38, e230-e230.	4.4	26
118	A new methodology for the quantitative visualization of coherent flow structures in alluvial channels using multibeam echo sounding (MBES). <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	23
119	Coherent flow structures in a depth-limited flow over a gravel surface: The influence of surface roughness. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
120	Response of river-dominated delta channel networks to permanent changes in river discharge. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	44
121	Suspended sediment transport and deposition over a dune: Río Paraná, Argentina. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1605-1611.	2.5	53
122	A pilot study of the efficacy of residuum lodges for managing sediment delivery to impoundment reservoirs. <i>Water and Environment Journal</i> , 2009, 23, 52-62.	2.2	4
123	Coherent flow structures in a depth-limited flow over a gravel surface: The role of near-bed turbulence and influence of Reynolds number. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	102
124	A Phase Diagram for Turbulent, Transitional, and Laminar Clay Suspension Flows. <i>Journal of Sedimentary Research</i> , 2009, 79, 162-183.	1.6	193
125	Morphology, flow structure, and suspended bed sediment transport at two large braid-bar confluences. <i>Water Resources Research</i> , 2009, 45, .	4.2	131
126	The Sedimentology and Alluvial Architecture of a Large Braid Bar, Rio Parana, Argentina. <i>Journal of Sedimentary Research</i> , 2009, 79, 629-642.	1.6	64

#	ARTICLE	IF	CITATIONS
127	Reply to Discussion of Imran <i>et al.</i> on "The orientation of helical flow in curved channels" by Corney <i>et al.</i> , <i>Sedimentology</i> , 53, 249-257. <i>Sedimentology</i> , 2008, 55, 241-247.	3.1	28
128	Large River Channel Confluences. , 2008, , 73-91.		34
129	The dynamics of turbulent, transitional and laminar clay-laden flow over a fixed current ripple. <i>Sedimentology</i> , 2008, 55, 635-666.	3.1	53
130	Causes of rapid mixing at a junction of two large rivers: Río Paraná and Río Paraguay, Argentina. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	115
131	Discussion of "Transition from Ripples to Dunes" by Arved J. Raudkivi. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1778-1780.	1.5	0
132	The influence of scale, slope and channel geometry on the flow dynamics of submarine channels. <i>Marine and Petroleum Geology</i> , 2007, 24, 487-503.	3.3	56
133	Comparison of Fixed- and Moving-Vessel Flow Measurements with an aDp in a Large River. <i>Journal of Hydraulic Engineering</i> , 2007, 133, 1299-1309.	1.5	96
134	Meander-Bend Evolution, Alluvial Architecture, and the Role of Cohesion in Sinuous River Channels: A Flume Study. <i>Journal of Sedimentary Research</i> , 2007, 77, 197-212.	1.6	165
135	Form roughness and the absence of secondary flow in a large confluence "difffluence, Rio Paraná, Argentina. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 155-162.	2.5	144
136	The relationship between channel avulsion, flow occupancy and aggradation in braided rivers: insights from an experimental model. <i>Sedimentology</i> , 2007, 54, 497-513.	3.1	48
137	Dynamics of a river channel confluence with discordant beds: Flow turbulence, bed load sediment transport, and bed morphology. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	135
138	Mean flow, turbulence structure, and bed form superimposition across the ripple-dune transition. <i>Water Resources Research</i> , 2006, 42, .	4.2	59
139	Electrical Resistance Tomography for Suspended Sediment Measurements in Open Channel Flows Using a Novel Sensor Design. <i>Particle and Particle Systems Characterization</i> , 2006, 23, 313-320.	2.3	17
140	The sedimentology and alluvial architecture of the sandy braided South Saskatchewan River, Canada. <i>Sedimentology</i> , 2006, 53, 413-434.	3.1	178
141	The orientation of helical flow in curved channels. <i>Sedimentology</i> , 2006, 53, 249-257.	3.1	92
142	Bed forms in bimodal sand-gravel sediments: laboratory and field analysis. <i>Sedimentology</i> , 2006, 53, 631-654.	3.1	27
143	Flow structure in sinuous submarine channels: Velocity and turbulence structure of an experimental submarine channel. <i>Marine Geology</i> , 2006, 229, 241-257.	2.1	103
144	Bar-top hollows: A new element in the architecture of sandy braided rivers. <i>Sedimentary Geology</i> , 2006, 190, 241-255.	2.1	38

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145	Whole flow field dynamics and velocity pulsing within natural sediment-laden underflows. <i>Geology</i> , 2005, 33, 765.	4.4	103
146	Measuring flow velocity and sediment transport with an acoustic Doppler current profiler. <i>Geomorphology</i> , 2005, 68, 25-37.	2.6	133
147	Response of sand dunes to variations in tidal flow: Fraser Estuary, Canada. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	46
148	The fluid dynamics of river dunes: A review and some future research directions. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	391
149	Morphology and flow fields of three-dimensional dunes, Rio Paran�i, Argentina: Results from simultaneous multibeam echo sounding and acoustic Doppler current profiling. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	196
150	Development and testing of a numerical code for treatment of complex river channel topography in three-dimensional CFD models with structured grids. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2005, 43, 468-480.	1.7	50
151	Relationship between sediment supply and avulsion frequency in braided rivers. <i>Geology</i> , 2004, 32, 21.	4.4	100
152	Measuring Velocity and Shear Stress over Dunes with Acoustic Doppler Profiler. <i>Journal of Hydraulic Engineering</i> , 2004, 130, 932-936.	1.5	65
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