

Dan Parsons

List of Publications by Year in descending order

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151
papers

6,536
citations

57758

44
h-index

76900

74
g-index

195
all docs

195
docs citations

195
times ranked

4748
citing authors

#	ARTICLE	IF	CITATIONS
1	Agricultural Pea Waste as a Low-Cost Pollutant Biosorbent for Methylene Blue Removal: Adsorption Kinetics, Isotherm And Thermodynamic Studies. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6671-6685.	4.6	15
2	Assessing social vulnerability to riverbank erosion across the Vietnamese Mekong Delta. <i>International Journal of River Basin Management</i> , 2023, 21, 501-512.	2.7	4
3	Near-Bed Structure of Sediment Gravity Flows Measured by Motion-Sensing "Boulder-Like" Benthic Event Detectors (BEDs) in Monterey Canyon. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	2
4	On the turbulence dynamics induced by a surrogate seagrass canopy. <i>Journal of Fluid Mechanics</i> , 2022, 934, .	3.4	7
5	The morphology of fluvial-tidal dunes: Lower Columbia River, Oregon/Washington, USA. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2079-2106.	2.5	2
6	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
7	Time-Domain Implementation and Analyses of Multi-Motion Modes of Floating Structures. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 662.	2.6	4
8	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
9	Turbidity Currents Can Dictate Organic Carbon Fluxes Across River-Fed Fjords: An Example From Bute Inlet (BC, Canada). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	7
10	Amplification of downstream flood stage due to damming of fine-grained rivers. <i>Nature Communications</i> , 2022, 13, .	12.8	18
11	The geomorphological distribution of subaqueous tufa columns in a hypersaline lake: Mono Lake, U.S.A.. <i>Journal of Sedimentary Research</i> , 2022, 92, 530-545.	1.6	1
12	SUPERIMPOSED ALLOGENIC AND BIOLOGICAL CONTROLS ON SILICICLASTIC ARCHITECTURE: AN EARLY MISSISSIPPIAN (VISEAN) EXAMPLE FROM TROPICAL LAURUSSIA. <i>Palaios</i> , 2022, 37, 224-250.	1.3	2
13	Impact of dams and climate change on suspended sediment flux to the Mekong delta. <i>Science of the Total Environment</i> , 2021, 755, 142468.	8.0	54
14	Species-specific impact of microplastics on coral physiology. <i>Environmental Pollution</i> , 2021, 269, 116238.	7.5	40
15	Hydrodynamics over low-angle dunes at the tidal current limit of the Changjiang Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 253, 107298.	2.1	2
16	Preconditioning by sediment accumulation can produce powerful turbidity currents without major external triggers. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116845.	4.4	24
17	Stakeholder Expectations of Future Policy Implementation Compared to Formal Policy Trajectories: Scenarios for Agricultural Food Systems in the Mekong Delta. <i>Sustainability</i> , 2021, 13, 5534.	3.2	9
18	Knickpoints and crescentic bedform interactions in submarine channels. <i>Sedimentology</i> , 2021, 68, 1358-1377.	3.1	11

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19	Establishing sustainable sediment budgets is critical for climate-resilient mega-deltas. <i>Environmental Research Letters</i> , 2021, 16, 064089.	5.2	18
20	Partitioning riverine sulfate sources using oxygen and sulfur isotopes: Implications for carbon budgets of large rivers. <i>Earth and Planetary Science Letters</i> , 2021, 567, 116957.	4.4	27
21	Dynamics of salt intrusion in the Mekong Delta: results of field observations and integrated coastal–inland modelling. <i>Earth Surface Dynamics</i> , 2021, 9, 953-976.	2.4	15
22	Riparian vegetation life stages control the impact of flood sequencing on braided river morphodynamics. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2315-2329.	2.5	3
23	The Coastline Evolution Model 2D (CEM2D) V1.1. <i>Geoscientific Model Development</i> , 2021, 14, 5507-5523.	3.6	0
24	Sand mining far outpaces natural supply in a large alluvial river. <i>Earth Surface Dynamics</i> , 2021, 9, 1323-1334.	2.4	32
25	The combined effect of discharge and tides on low-angle dune evolution at the tidal current limit of the Changjiang Estuary. <i>Geomorphology</i> , 2021, 392, 107917.	2.6	1
26	Microplastics interact with benthic biostabilization processes. <i>Environmental Research Letters</i> , 2021, 16, 124058.	5.2	2
27	The Influence of Three-dimensional Topography on Turbulent Flow Structures Over Dunes in Unidirectional Flows. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006121.	2.8	7
28	What determines the downstream evolution of turbidity currents?. <i>Earth and Planetary Science Letters</i> , 2020, 532, 116023.	4.4	52
29	Influence of Dunes on Channel-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
30	Interactions between sediment microbial ecology and physical dynamics drive heterogeneity in contextually similar depositional systems. <i>Limnology and Oceanography</i> , 2020, 65, 2403-2419.	3.1	15
31	Integrating Suspended Sediment Flux in Large Alluvial River Channels: Application of a Synoptic Rouse-Based Model to the Irrawaddy and Salween Rivers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005554.	2.8	28
32	Alluvial architecture of mid-channel fluvial-tidal barforms: The mesotidal Lower Columbia River, Oregon/Washington, USA. <i>Sedimentology</i> , 2020, 67, 3533-3566.	3.1	3
33	A bedform phase diagram for dense granular currents. <i>Nature Communications</i> , 2020, 11, 2873.	12.8	30
34	Efficient preservation of young terrestrial organic carbon in sandy turbidity-current deposits. <i>Geology</i> , 2020, 48, 882-887.	4.4	46
35	Rapidly-migrating and internally-generated knickpoints can control submarine channel evolution. <i>Nature Communications</i> , 2020, 11, 3129.	12.8	29
36	Lessons learned from the monitoring of turbidity currents and guidance for future platform designs. <i>Geological Society Special Publication</i> , 2020, 500, 605-634.	1.3	22

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37	Infilling Abandoned Deltaic Distributary Channels Through Landward Sediment Transport. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005254.	2.8	6
38	River bank instability from unsustainable sand mining in the lower Mekong River. <i>Nature Sustainability</i> , 2020, 3, 217-225.	23.7	153
39	Dunes in the world'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
40	Influence of light and temperature cycles on the expression of circadian clock genes in the mussel <i>Mytilus edulis</i> . <i>Marine Environmental Research</i> , 2020, 159, 104960.	2.5	15
41	Drainage and erosion of Cambodia'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
42	Novel Acoustic Method Provides First Detailed Measurements of Sediment Concentration Structure Within Submarine Turbidity Currents. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015904.	2.6	43
43	Direct evidence of a high-concentration basal layer in a submarine turbidity current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 161, 103300.	1.4	18
44	EXCEPTIONAL CHANNEL AGGRADATION ON MARS AND WHAT IT MEANS FOR WATER LEVEL RISE. , 2020, , .		0
45	Geomorphological and sedimentological characteristics. , 2020, , 42-60.		0
46	UPPER SLOPE 3D MORPHOLOGIES ALONG THE LIGHTHOUSE REEF MARGIN (BELIZE): PUNCTUATED GLOBAL RECORD OF LAST DEGLACIAL SEA LEVEL FLUCTUATIONS?. , 2020, , .		0
47	Modelling impacts of tidal stream turbines on surface waves. <i>Renewable Energy</i> , 2019, 130, 725-734.	8.9	11
48	Carbon dioxide emissions by rock organic carbon oxidation and the net geochemical carbon budget of the Mackenzie River Basin. <i>Numerische Mathematik</i> , 2019, 319, 473-499.	1.4	45
49	Sediment and organic carbon transport and deposition driven by internal tides along Monterey Canyon, offshore California. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 153, 103108.	1.4	20
50	Investigating Fold-River Interactions for Major Rivers Using a Scheme of Remotely Sensed Characteristics of River and Fold Geomorphology. <i>Remote Sensing</i> , 2019, 11, 2037.	4.0	5
51	Direct Monitoring Reveals Initiation of Turbidity Currents From Extremely Dilute River Plumes. <i>Geophysical Research Letters</i> , 2019, 46, 11310-11320.	4.0	71
52	Linking Direct Measurements of Turbidity Currents to Submarine Canyon-Floor Deposits. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	40
53	Field investigation of bedform morphodynamics under combined flow. <i>Geomorphology</i> , 2019, 339, 19-30.	2.6	7
54	Self-sharpening induces jet-like structure in seafloor gravity currents. <i>Nature Communications</i> , 2019, 10, 1381.	12.8	22

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55	Integrating field and laboratory approaches for ripple development in mixed sand-clay EPS. <i>Sedimentology</i> , 2019, 66, 2749-2768.	3.1	20
56	Reply to comment by Thomas M. Blattmann on "Carbon dioxide emissions by rock organic carbon oxidation and the next geochemical carbon budget of the Mackenzie River Basin", v. 319, n. 6, p. 473-499. <i>Numerische Mathematik</i> , 2019, 319, 905-906.	1.4	0
57	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
58	Bedform migration in a mixed sand and cohesive clay intertidal environment and implications for bed material transport predictions. <i>Geomorphology</i> , 2018, 315, 17-32.	2.6	25
59	Beyond equilibrium: Re-evaluating physical modelling of fluvial systems to represent climate changes. <i>Earth-Science Reviews</i> , 2018, 181, 82-97.	9.1	52
60	Low-angle dunes in the Changjiang (Yangtze) Estuary: Flow and sediment dynamics under tidal influence. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 205, 110-122.	2.1	11
61	An investigation of the wake recovery of two model horizontal-axis tidal stream turbines measured in a laboratory flume with Particle Image Velocimetry. <i>Journal of Hydro-Environment Research</i> , 2018, 19, 179-188.	2.2	3
62	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
63	Nonlinear Modeling and Verification of a Heaving Point Absorber for Wave Energy Conversion. <i>IEEE Transactions on Sustainable Energy</i> , 2018, 9, 453-461.	8.8	44
64	How to recognize crescentic bedforms formed by supercritical turbidity currents in the geologic record: Insights from active submarine channels. <i>Geology</i> , 2018, 46, 563-566.	4.4	82
65	Controls on mud distribution and architecture along the fluvial-to-marine transition. <i>Geology</i> , 2018, 46, 971-974.	4.4	24
66	Powerful turbidity currents driven by dense basal layers. <i>Nature Communications</i> , 2018, 9, 4114.	12.8	164
67	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
68	Investigation of variable aeration of monodisperse mixtures: implications for pyroclastic density currents. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	16
69	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
70	The adaptation of dunes to changes in river flow. <i>Earth-Science Reviews</i> , 2018, 185, 1065-1087.	9.1	35
71	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
72	Quantifying biostabilisation effects of biofilm-secreted and extracted extracellular polymeric substances (EPSs) on sandy substrate. <i>Earth Surface Dynamics</i> , 2018, 6, 203-215.	2.4	15

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73	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
74	CURVES, CONFLUENCES, AND CUTOFFS: MORPHODYNAMIC INSIGHTS FROM THE WABASH RIVER. , 2018, , .		0
75	ASSESSING BEDFORM DYNAMICS AND BEDLOAD SEDIMENT FLUX IN SANDY BRAIDED RIVERS USING AIRBORNE AND SATELLITE IMAGERY: A COMPARISON OF AERIAL, DRONE AND CUBESAT APPROACHES. , 2018, , .		0
76	Does the canopy mixing layer model apply to highly flexible aquatic vegetation? Insights from numerical modelling. <i>Environmental Fluid Mechanics</i> , 2017, 17, 277-301.	1.6	25
77	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
78	Seasonal expression patterns of clock-associated genes in the blue mussel <i>Mytilus edulis</i> . <i>Chronobiology International</i> , 2017, 34, 1300-1314.	2.0	8
79	Newly recognized turbidity current structure can explain prolonged flushing of submarine canyons. <i>Science Advances</i> , 2017, 3, e1700200.	10.3	170
80	A General Model for the Helical Structure of Geophysical Flows in Channel Bends. <i>Geophysical Research Letters</i> , 2017, 44, 11,932.	4.0	28
81	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
82	Sustainable rice cultivation in the deep flooded zones of the Vietnamese Mekong Delta. <i>Vietnam Journal of Science Technology and Engineering</i> , 2017, 59, 34-38.	0.2	5
83	Flow dynamics and mixing processes in hydraulic jump arrays: Implications for channel-lobe transition zones. <i>Marine Geology</i> , 2016, 381, 181-193.	2.1	51
84	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
85	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
86	The role of biophysical cohesion on subaqueous bed form size. <i>Geophysical Research Letters</i> , 2016, 43, 1566-1573.	4.0	110
87	Fluvial sediment supply to a mega-delta reduced by shifting tropical-cyclone activity. <i>Nature</i> , 2016, 539, 276-279.	27.8	187
88	Characteristics of direct human impacts on the rivers Karun and Dez in lowland south-west Iran and their interactions with earth surface movements. <i>Quaternary International</i> , 2016, 392, 315-334.	1.5	16
89	The role of discharge variability in determining alluvial stratigraphy. <i>Geology</i> , 2016, 44, 3-6.	4.4	36
90	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

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91	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
92	Mid to late Holocene geomorphological and sedimentological evolution of the fluvial-tidal zone. <i>Developments in Sedimentology</i> , 2015, , 193-226.	0.5	7
93	Groundwater seepage landscapes from distant and local sources in experiments and on Mars. <i>Earth Surface Dynamics</i> , 2015, 3, 389-408.	2.4	35
94	Simulating tidal and storm surge hydraulics with a simple 2D inertia based model, in the Humber Estuary, U.K. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 155, 126-136.	2.1	47
95	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
96	Fluvio-deltaic avulsions during relative sea-level fall. <i>Geology</i> , 2015, 43, 719-722.	4.4	25
97	Sticky stuff: Redefining bedform prediction in modern and ancient environments. <i>Geology</i> , 2015, 43, 399-402.	4.4	80
98	Extremes in dune preservation: Controls on the completeness of fluvial deposits. <i>Earth-Science Reviews</i> , 2015, 150, 652-665.	9.1	50
99	The pervasive role of biological cohesion in bedform development. <i>Nature Communications</i> , 2015, 6, 6257.	12.8	165
100	On validating predictions of plant motion in coupled biomechanical-flow models. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 808-813.	1.7	3
101	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
102	Influence of junction angle on three-dimensional flow structure and bed morphology at confluent meander bends during different hydrological conditions. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 252-271.	2.5	74
103	Autonomous Underwater Vehicles (AUVs): Their past, present and future contributions to the advancement of marine geoscience. <i>Marine Geology</i> , 2014, 352, 451-468.	2.1	669
104	Near-bed and surface flow division patterns in experimental river bifurcations. <i>Water Resources Research</i> , 2014, 50, 1506-1530.	4.2	40
105	High-resolution numerical modelling of flow-vegetation interactions. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 775-793.	1.7	43
106	Physical modelling of water, fauna and flora: knowledge gaps, avenues for future research and infrastructural needs. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 311-325.	1.7	33
107	Scales and causes of heterogeneity in bars in a large multi-channel river: Río Paran�, Argentina. <i>Sedimentology</i> , 2014, 61, 1055-1085.	3.1	48
108	Comment on "A simple model for vertical profiles of velocity and suspended sediment concentration in straight and curved submarine channels" by M. Bolla Pittaluga and J. Imran. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2070-2073.	2.8	4

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109	Pressurized groundwater outflow experiments and numerical modeling for outflow channels on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2668-2693.	3.6	19
110	Driven around the bend: Spatial evolution and controls on the orientation of helical bend flow in a natural submarine gravity current. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 898-913.	2.6	35
111	The critical role of stratification in submarine channels: Implications for channelization and long runoff of flows. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2620-2641.	2.6	30
112	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
113	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
114	MEMS-Integrated Load Cell for Measuring Pressure, Erosion, and Deposition in Dynamic Environmental Flows. <i>IEEE Sensors Journal</i> , 2013, 13, 492-500.	4.7	2
115	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
116	Flow separation at the inner (convex) and outer (concave) banks of constant-width and widening open-channel bends. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 696-716.	2.5	92
117	First direct measurements of hydraulic jumps in an active submarine density current. <i>Geophysical Research Letters</i> , 2013, 40, 5904-5908.	4.0	48
118	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
119	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
120	Superelevation and overspill control secondary flow dynamics in submarine channels. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3895-3915.	2.6	33
121	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
122	Modelling hydrodynamics in the Río Paraná, 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
123	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
124	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
125	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
126	On determining the geometric and kinematic characteristics of coherent flow structures over a gravel bed: a new approach using combined PLIF-PIV. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 279-284.	2.5	11

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127	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
128	Wavelets Application to Study the Bedforms of Parana River. , 2011, , .		0
129	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
130	Monitoring Suspended Sediment Dynamics Using MBES. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 45-49.	1.5	23
131	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
132	Response of river-dominated delta channel networks to permanent changes in river discharge. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	44
133	Gravity-driven flow in a submarine channel bend: Direct field evidence of helical flow reversal. <i>Geology</i> , 2010, 38, 1063-1066.	4.4	58
134	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
135	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
136	Morphology, flow structure, and suspended bed sediment transport at two large braid-bar confluences. <i>Water Resources Research</i> , 2009, 45, .	4.2	131
137	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
138	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
139	Large River Channel Confluences. , 2008, , 73-91.		34
140	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
141	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
142	Emergence of coherent flow structures over a gravel surface: A numerical experiment. <i>Water Resources Research</i> , 2007, 43, .	4.2	49
143	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
144	The orientation of helical flow in curved channels. <i>Sedimentology</i> , 2006, 53, 249-257.	3.1	92

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145	The theoretical foundations and potential for large-eddy simulation (LES) in fluvial geomorphic and sedimentological research. <i>Earth-Science Reviews</i> , 2005, 71, 271-304.	9.1	70
146	Morphology and flow fields of three-dimensional dunes, Rio Paran�; 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
147	Numerical modelling of airflow over an idealised transverse dune. <i>Environmental Modelling and Software</i> , 2004, 19, 153-162.	4.5	80
148	Numerical modelling of flow structures over idealized transverse aeolian dunes of varying geometry. <i>Geomorphology</i> , 2004, 59, 149-164.	2.6	141
149	Assessing the credibility of a series of computational fluid dynamic simulations of open channel flow. <i>Hydrological Processes</i> , 2003, 17, 1539-1560.	2.6	58
150	Flow in meander bends with recirculation at the inner bank. <i>Water Resources Research</i> , 2003, 39, .	4.2	202
151	Discussion of "Three-Dimensional Numerical Study of Flows in Open-Channel Junctions" by Jianchun Huang, Larry J. Weber, and Yong G. Lai. <i>Journal of Hydraulic Engineering</i> , 2003, 129, 822-823.	1.5	3