

Subhasish Dey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

3,807
citations

34
h-index

51
g-index

225
ext. papers

4,427
ext. citations

2.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
213	Response of open-channel flow to a sudden change from smooth to rough bed. <i>Environmental Fluid Mechanics</i> , 2022 , 22, 87	2.2	0
212	Planform evolution of a sinuous channel triggered by curvature and autogenic width oscillations due to generic grain transport. <i>Physics of Fluids</i> , 2022 , 34, 044110	4.4	1
211	Instability of a meandering channel with variable width and curvature: Role of sediment suspension. <i>Physics of Fluids</i> , 2021 , 33, 111401	4.4	3
210	Hydrodynamics of flow over a gradually varied bed roughness. <i>Physics of Fluids</i> , 2021 , 33, 125112	4.4	1
209	Equilibrium approach for modeling erosional failure of granular dams. <i>Physics of Fluids</i> , 2021 , 33, 043306	4.4	1
208	Hydrodynamic instability of free river bars. <i>Physics of Fluids</i> , 2021 , 33, 045105	4.4	6
207	Response of Reynolds stresses and scaling behavior of high-order structure functions to a water-worked gravel-bed surface and its implication on sediment transport. <i>International Journal of Sediment Research</i> , 2021 ,	3	1
206	Statistical characterization of unworked and water-worked gravel-bed roughness structures. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021 , 59, 420-436	1.9	7
205	Interfacial instability of sand patterns induced by turbulent shear flow. <i>International Journal of Sediment Research</i> , 2021 , 36, 449-456	3	4
204	Mega riverbed-patterns: linear and weakly nonlinear perspectives.. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021 , 477, 20210331	2.4	5
203	Turbulent flow characteristics over an abrupt step change in bed roughness. <i>Physics of Fluids</i> , 2021 , 33, 095106	4.4	2
202	Modeling positive surge propagation in open channels using the Serre-Green-Naghdi equations. <i>Applied Mathematical Modelling</i> , 2021 , 97, 803-820	4.5	2
201	Linear stability of dunes and antidunes. <i>Physics of Fluids</i> , 2021 , 33, 094109	4.4	1
200	Undular Hydraulic Jumps: Critical Analysis of 2D RANS-VOF Simulations. <i>Journal of Hydraulic Engineering</i> , 2021 , 147, 06021017	1.8	2
199	Instability of large-scale riverbed patterns. <i>Physics of Fluids</i> , 2021 , 33, 015109	4.4	6
198	Self-preserving characteristics in wall-wake flow downstream of an isolated bedform. <i>Environmental Fluid Mechanics</i> , 2020 , 20, 1119-1139	2.2	
197	Erratum for Prediction of Overtopping Dike Failure: Sediment Transport and Dynamic Granular Bed Deformation Model by Francisco Nicol� Cantero-Chinchilla, Oscar Castro-Orgaz, and Subhasish Dey. <i>Journal of Hydraulic Engineering</i> , 2020 , 146, 08220002	1.8	

196	Conditional spatially averaged turbulence and dispersion characteristics in flow over two-dimensional dunes. <i>Physics of Fluids</i> , 2020 , 32, 065106	4.4	4
195	Structure functions and invariants of the anisotropic Reynolds stress tensor in turbulent flows on water-worked gravel beds. <i>Physics of Fluids</i> , 2020 , 32, 055106	4.4	7
194	Fluvial instabilities. <i>Physics of Fluids</i> , 2020 , 32, 061301	4.4	16
193	Impact of Particle Shape on Saltating Mode of Bedload Transport Sheared by Turbulent Flow. <i>Journal of Hydraulic Engineering</i> , 2020 , 146, 04020034	1.8	6
192	Hydrodynamic Lift on Sediment Particles at Entrainment: Present Status and Its Prospect. <i>Journal of Hydraulic Engineering</i> , 2020 , 146, 03120001	1.8	3
191	Hydrodynamics of flow over two-dimensional dunes. <i>Physics of Fluids</i> , 2020 , 32, 025106	4.4	16
190	Turbulence in Wall-Wake Flow Downstream of an Isolated Dune. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2020 , 241-252	0.1	
189	Hydrodynamics of Water-Worked and Screeded Gravel-Bed Flows. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2020 , 207-218	0.1	
188	Turbulent Length Scales and Reynolds Stress Anisotropy in Wall-Wake Flow Downstream of an Isolated Dunal Bedform. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2020 , 1-21	0.1	
187	The law of the wall: A new perspective. <i>Physics of Fluids</i> , 2020 , 32, 121401	4.4	2
186	Conditional Turbulence Characteristics in Water-Worked and Screeded Gravel-Bed Flows. <i>Journal of Hydraulic Engineering</i> , 2020 , 146, 04019052	1.8	3
185	Hydraulics of Seepage from Trapezoidal Channels. <i>Journal of Hydraulic Engineering</i> , 2020 , 146, 04020083	1.8	0
184	Reynolds stress anisotropy in flow over two-dimensional rigid dunes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200638	2.4	2
183	Mechanics of bed particle saltation in turbulent wall-shear flow. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20190318	2.4	1
182	Terminal fall velocity: the legacy of Stokes from the perspective of fluvial hydraulics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20190277	2.4	27
181	Hydrodynamics of a weakly curved channel. <i>Physics of Fluids</i> , 2019 , 31, 055110	4.4	3
180	Water-Worked Gravel Bed: State-of-the-Art Review. <i>Water (Switzerland)</i> , 2019 , 11, 694	3	4
179	Near-bed turbulence structures in water-worked and screeded gravel-bed flows. <i>Physics of Fluids</i> , 2019 , 31, 045107	4.4	13

178	Bed particle saltation in turbulent wall-shear flow: a review. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20180824	2.4	11
177	Prediction of Overtopping Dike Failure: Sediment Transport and Dynamic Granular Bed Deformation Model. <i>Journal of Hydraulic Engineering</i> , 2019 , 145, 04019021	1.8	5
176	Bedload transport from analytical and turbulence phenomenological perspectives. <i>International Journal of Sediment Research</i> , 2019 , 34, 509-530	3	3
175	Turbulence in Wall-Wake Flow Downstream of an Isolated Dunal Bedform. <i>Water (Switzerland)</i> , 2019 , 11, 1975	3	6
174	Scour around Piers under Waves: Current Status of Research and Its Future Prospect. <i>Water (Switzerland)</i> , 2019 , 11, 2212	3	9
173	Turbulent Length Scales and Anisotropy in Submerged Turbulent Plane Offset Jets. <i>Journal of Hydraulic Engineering</i> , 2019 , 145, 04018085	1.8	9
172	Bed sediment entrainment by streamflow: State of the science. <i>Sedimentology</i> , 2019 , 66, 1449-1485	3.3	21
171	Depth-averaged modelling of granular dike overtopping. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2018 , 56, 537-550	1.9	8
170	Advances in analytical modeling of suspended sediment transport. <i>Journal of Hydro-Environment Research</i> , 2018 , 20, 110-126	2.3	6
169	Analytical Solution of k- ϵ Model for Nonuniform Flows. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 04018033	1.8	7
168	Rui-Jin Zhang's Research on Sediment Transport. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 02518002	1.8	12
167	Reynolds Stress in Submerged Turbulent Plane Offset Jets: Mathematical Model. <i>Journal of Engineering Mechanics - ASCE</i> , 2018 , 144, 06018001	2.4	1
166	Impact of phenomenological theory of turbulence on pragmatic approach to fluvial hydraulics. <i>Physics of Fluids</i> , 2018 , 30, 045105	4.4	21
165	Turbulence characteristics in wall-wake flows downstream of wall-mounted and near-wall horizontal cylinders. <i>Environmental Fluid Mechanics</i> , 2018 , 18, 891-921	2.2	6
164	Turbulence features in a wall-wake flow downstream of a wall-mounted vertical cylinder. <i>European Journal of Mechanics, B/Fluids</i> , 2018 , 69, 46-61	2.4	10
163	Self-Similarity in Turbulent Wall-Wake Flow Downstream of a Wall-Mounted Vertical Cylinder. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 04018023	1.8	7
162	Far-wake flows downstream of cylinders: A novel generalized similarity method. <i>European Journal of Mechanics, B/Fluids</i> , 2018 , 67, 65-69	2.4	1
161	Hydrodynamics of water-worked and screeded gravel beds: A comparative study. <i>Physics of Fluids</i> , 2018 , 30, 085105	4.4	23

160	Review Article: Advances in modeling of bed particle entrainment sheared by turbulent flow. <i>Physics of Fluids</i> , 2018 , 30, 061301	4.4	39
159	Time Variation of Scour at Downstream Pier for Two Piers in Tandem Arrangement. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2018 , 235-243	0.1	
158	Effects of biofilm on turbulence characteristics and the transport of fine sediment. <i>Journal of Soils and Sediments</i> , 2018 , 18, 3055-3069	3.4	12
157	Phenomenological description of scaling laws of sediment transport. <i>E3S Web of Conferences</i> , 2018 , 40, 04001	0.5	
156	Turbulent kinetic energy flux and budget in a water-worked gravel bed. <i>E3S Web of Conferences</i> , 2018 , 40, 05006	0.5	
155	Spatially averaged dissipation rate in flows over water-worked and screeded gravel beds. <i>Physics of Fluids</i> , 2018 , 30, 125106	4.4	14
154	Influence of permeable beds on hydraulically macro-rough flow. <i>Journal of Fluid Mechanics</i> , 2018 , 847, 552-590	3.7	40
153	Moraine dam breach and glacial lake outburst flood generation by physical and numerical models. <i>Journal of Hydrology</i> , 2018 , 563, 694-710	6	22
152	Interference of an upstream pier on local scour at downstream piers. <i>Acta Geophysica</i> , 2017 , 65, 29-46	2.2	21
151	Understanding mass fluvial erosion along a bank profile: using PEEP technology for quantifying retreat lengths and identifying event timing. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1717-1732	3.7	14
150	Origin of the scaling laws of sediment transport. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20160785	2.4	35
149	Stochastic mechanics of loose boundary particle transport in turbulent flow. <i>Physics of Fluids</i> , 2017 , 29, 055103	4.4	18
148	Bedforms and Flow Resistance of Cohesive Beds with and without Biofilm Coating. <i>Journal of Hydraulic Engineering</i> , 2017 , 143, 06017010	1.8	11
147	Origin of the onset of meandering of a straight river. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20170376	2.4	11
146	Splitter plate as a flow-altering pier scour countermeasure. <i>Acta Geophysica</i> , 2017 , 65, 957-975	2.2	7
145	Mechanics of Sediment Transport: Particle Scale of Entrainment to Continuum Scale of Bedload Flux. <i>Journal of Engineering Mechanics - ASCE</i> , 2017 , 143, 04017127	2.4	17
144	Hydrodynamics of submerged turbulent plane offset jets. <i>Physics of Fluids</i> , 2017 , 29, 065112	4.4	23
143	Hydrodynamic instability of meandering channels. <i>Physics of Fluids</i> , 2017 , 29, 125107	4.4	13

142	Marchi Research on Supercritical Flow in Tight Bends and Backwater Effects. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 02515004	1.8	1
141	Circular Far-Wake Flow behind a Sphere: Solutions to the Second Order. <i>Journal of Engineering Mechanics - ASCE</i> , 2016 , 142, 06015005	2.4	3
140	Entry flow in curved pipes: turbulent boundary layer approach. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2016 , 54, 90-101	1.9	
139	Transport of biofilm-coated sediment particles. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2016 , 54, 631-645	1.9	15
138	Nonhydrostatic Dam Break Flows. II: One-Dimensional Depth-Averaged Modeling for Movable Bed Flows. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016069	1.8	16
137	Turbulence in a Gravel-Bed Stream with an Array of Large Gravel Obstacles. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016052	1.8	20
136	Hydrodynamics of sediment transport: Grain scale to continuum scale 2016 ,		1
135	Theory of Turbulent Flow over a Wavy Boundary. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016006	1.8	5
134	Distribution of suspended sediment concentration in wide sediment-laden streams: A novel power-law theory. <i>Sedimentology</i> , 2016 , 63, 1620-1633	3.3	7
133	Scour Downstream of Grade Control Structures under the Influence of Upward Seepage. <i>Acta Geophysica</i> , 2016 , 64, 694-710	2.2	7
132	Mechanics of advection of suspended particles in turbulent flow. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016 , 472, 20160749	2.4	12
131	Turbulence laws in natural bed flows. <i>Journal of Fluid Mechanics</i> , 2016 , 798, 540-571	3.7	22
130	Hydrodynamics of sediment threshold. <i>Physics of Fluids</i> , 2016 , 28, 075103	4.4	44
129	Nonhydrostatic Dam Break Flows. I: Physical Equations and Numerical Schemes. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016068	1.8	27
128	Closure to Bedment Entrainment Probability and Threshold of Sediment Suspension: Exponential-Based Approach by Sujit K. Bose and Subhasish Dey. <i>Journal of Hydraulic Engineering</i> , 2015 , 141, 07014024	1.8	
127	Turbulent length scales and anisotropy downstream of a wall mounted sphere. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015 , 53, 649-658	1.9	10
126	Free surface profiles in river flows: Can standard energy-based gradually-varied flow computations be pursued?. <i>Journal of Hydrology</i> , 2015 , 529, 1644-1656	6	2
125	Turbulence Anisotropy in Flow at an Entrainment Threshold of Sediment. <i>Journal of Hydraulic Engineering</i> , 2015 , 141, 06015007	1.8	3

124	Hydrodynamic analysis of fully developed turbidity currents over plane beds based on self-preserving velocity and concentration distributions. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015 , 120, 2176-2199	3.8	4
123	Effects of relative submergence and bed slope on sediment incipient motion under decelerating flows. <i>Journal of Hydrology and Hydromechanics</i> , 2015 , 63, 295-302	2.1	7
122	Depth-averaged model for undular hydraulic jump. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015 , 53, 351-363	1.9	12
121	Principles of Mechanics of Bedforms. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2015 , 79-98	0.1	3
120	Gravity Waves on Turbulent Shear Flow: Reynolds Averaged Approach. <i>Journal of Hydraulic Engineering</i> , 2014 , 140, 340-346	1.8	2
119	Second-Order Shallow-Flow Theory and Dupuit Approximation for Phreatic Aquifers. <i>Journal of Hydraulic Engineering</i> , 2014 , 140, 04014040	1.8	3
118	Fluvial Hydrodynamics. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 ,	0.1	148
117	Experimental studies of local scour in the pressurized OCF below a wooden log across the flow. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014 , 39, 1245-1257	1	1
116	Closure to Revisiting the Energy-Momentum Method for Rating Vertical Sluice Gates under Submerged Flow Conditions by Oscar Castro-Orgaz, Luciano Mateos, and Subhasish Dey. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014 , 140, 07014020	1.1	
115	Bedforms. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 453-528	0.1	
114	Scour. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 563-639	0.1	2
113	Turbulence in Open-Channel Flows. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 95-187	0.1	2
112	Sediment Threshold. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 189-259	0.1	11
111	Bed-Load Transport. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 261-326	0.1	4
110	Suspended-Load Transport. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 327-415	0.1	
109	Hydrodynamic Principles. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2014 , 29-93	0.1	
108	Effects of Bed Compaction on Scour at Piers in Sand-Clay Mixtures. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 1013-1019	1.8	12
107	Turbulent unsteady flow profiles over an adverse slope. <i>Acta Geophysica</i> , 2013 , 61, 84-97	2.2	3

106	Revisiting the Energy-Momentum Method for Rating Vertical Sluice Gates under Submerged Flow Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013 , 139, 325-335	1.1	12
105	Velocity Deformation Model for Unsteady Open-Channel Flows over Smooth and Rough Beds. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 433-443	1.8	7
104	Sediment Entrainment Probability and Threshold of Sediment Suspension: Exponential-Based Approach. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 1099-1106	1.8	30
103	Hydrodynamics of Undular Free Surface Flows. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013 , 53-70	0.1	1
102	Evidence of Non-Universality of von Kármán's κ . <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013 , 71-83	0.1	3
101	Turbulence in mobile-bed streams. <i>Acta Geophysica</i> , 2012 , 60, 1547-1588	2.2	82
100	Is the von Kármán constant affected by sediment suspension?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		12
99	Gravel-Bed Hydrodynamics: Double-Averaging Approach. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 707-725	1.8	67
98	Instability Theory of Sand Ripples Formed by Turbulent Shear Flows. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 752-756	1.8	8
97	Free Surface Profiles of Undular Hydraulic Jumps. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 362-366	1.8	12
96	Double-averaging turbulence characteristics in seeping rough-bed streams. <i>Journal of Geophysical Research</i> , 2011 , 116,		17
95	Entrainment Threshold of Loose Boundary Streams. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2011 , 29-48	0.1	7
94	Power-law velocity profile in turbulent boundary layers: An integral reynolds-number dependent solution. <i>Acta Geophysica</i> , 2011 , 59, 993-1012	2.2	8
93	Scour at Vertical Piles in Sand-Clay Mixtures under Waves. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2011 , 137, 324-331	1.7	15
92	Wall-Wake Flows Downstream of a Sphere Placed on a Plane Rough Wall. <i>Journal of Hydraulic Engineering</i> , 2011 , 137, 1173-1189	1.8	37
91	Near-Bed Turbulence Characteristics at the Entrainment Threshold of Sediment Beds. <i>Journal of Hydraulic Engineering</i> , 2011 , 137, 945-958	1.8	84
90	Temporal Scales for Live-Bed Scour at Abutments. <i>Journal of Hydraulic Engineering</i> , 2010 , 136, 395-402	1.8	23
89	Sediment Transport on Arbitrary Slopes: Simplified Model. <i>Journal of Hydraulic Engineering</i> , 2010 , 136, 311-317	1.8	10

88	Submerged wall jets subjected to injection and suction from the wall. <i>Journal of Fluid Mechanics</i> , 2010 , 653, 57-97	3.7	20
87	Non-universality of von Kármán's in fluvial streams. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 658-663	1.9	64
86	Turbulence Characteristics in Flows Subjected to Boundary Injection and Suction. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 877-888	2.4	43
85	Double-averaging turbulence characteristics in flows over a gravel bed. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 801-809	1.9	38
84	Fully rough submerged plane wall-jets. <i>Journal of Hydro-Environment Research</i> , 2010 , 4, 301-316	2.3	12
83	Flow-altering countermeasures against scour at bridge piers: a review. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 441-452	1.9	60
82	Universal probability distributions of turbulence in open channel flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 388-394	1.9	18
81	Effect and design of an underminer structure. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 188-196	1.9	4
80	Reynolds averaged theory of turbulent shear flows over undulating beds and formation of sand waves. <i>Physical Review E</i> , 2009 , 80, 036304	2.4	30
79	One-dimensional channel flow equations with curvature revisited. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009 , 47, 157-166	1.9	3
78	Maximum scour depth at piers in armor-beds. <i>KSCE Journal of Civil Engineering</i> , 2009 , 13, 137-142	1.9	1
77	Flow Characteristics around a Circular Cylinder Placed Horizontally above a Plane Boundary. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 697-716	2.4	41
76	Influence of bank vegetation and gravel bed on velocity and Reynolds stress distributions. <i>International Journal of Sediment Research</i> , 2009 , 24, 236-246	3	45
75	Suspended load in flows on erodible bed. <i>International Journal of Sediment Research</i> , 2009 , 24, 315-324	3	16
74	Clear-Water Scour below Underwater Pipelines under Steady Flow. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 588-600	1.8	37
73	Characteristics of Steady Horseshoe Vortex System near Junction of Square Cylinder and Base Plate. <i>Journal of Engineering Mechanics - ASCE</i> , 2008 , 134, 184-197	2.4	20
72	Scour at Submerged Cylindrical Obstacles under Steady Flow. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 105-109	1.8	43
71	Characteristics of Turbulent Flow in Submerged Jumps on Rough Beds. <i>Journal of Engineering Mechanics - ASCE</i> , 2008 , 134, 49-59	2.4	43

70	Local Scour and Riprap Stability at an Abutment in a Degrading Bed. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 1496-1502	1.8	9
69	Characteristics of Submerged Jets in Evolving Scour Hole Downstream of an Apron. <i>Journal of Engineering Mechanics - ASCE</i> , 2008 , 134, 927-936	2.4	25
68	Kinematics of horseshoe vortex development in an evolving scour hole at a square cylinder. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008 , 46, 247-264	1.9	21
67	Sediment threshold under stream flow: A state-of-the-art review. <i>KSCE Journal of Civil Engineering</i> , 2008 , 12, 45-60	1.9	54
66	Theory of free surface flow over rough seeping beds. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 369-383	2.4	10
65	Influence of decelerating flow on incipient motion of a gravel-bed stream. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2007 , 32, 545-559	1	17
64	Clear-Water Scour at Piers in Sand Beds with an Armor Layer of Gravels. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 703-711	1.8	23
63	Characteristics of Loose Rough Boundary Streams at Near-Threshold. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 288-304	1.8	72
62	Clear-water scour depth below underwater pipelines. <i>Journal of Hydro-Environment Research</i> , 2007 , 1, 157-162	2.3	26
61	Computation of Reynolds and boundary shear stress in submerged jets on rough boundaries. <i>Journal of Hydro-Environment Research</i> , 2007 , 1, 110-117	2.3	7
60	Curvilinear Flow Profiles Based on Reynolds Averaging. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 1074-1079	1.8	37
59	Effect of Upward Seepage on Scour and Flow Downstream of an Apron due to Submerged Jets. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 59-69	1.8	17
58	Characteristics of Horseshoe Vortex in Developing Scour Holes at Piers. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 399-413	1.8	128
57	Scour below a High Vertical Drop. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 564-568	1.8	28
56	Effect of seepage on scour due to submerged jets and resulting flow field. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2007 , 45, 357-364	1.9	5
55	Velocity and turbulence in a scour hole at a vertical-wall abutment. <i>Flow Measurement and Instrumentation</i> , 2006 , 17, 13-21	2.2	33
54	Scour Downstream of an Apron Due to Submerged Horizontal Jets. <i>Journal of Hydraulic Engineering</i> , 2006 , 132, 246-257	1.8	87
53	Closure to Time Variation of Scour at Abutments by Subhasish Dey and Abdul Karim Barbhuiya. <i>Journal of Hydraulic Engineering</i> , 2006 , 132, 543-543	1.8	

52	Control of Scour at Vertical Circular Piles under Waves and Current. <i>Journal of Hydraulic Engineering</i> , 2006 , 132, 270-279	1.8	45
51	Pier scour and thin layered bed scour within a long contraction. <i>Canadian Journal of Civil Engineering</i> , 2006 , 33, 140-150	1.3	1
50	Response of velocity and turbulence in submerged wall jets to abrupt changes from smooth to rough beds and its application to scour downstream of an apron. <i>Journal of Fluid Mechanics</i> , 2006 , 556, 387	3.7	48
49	3D flow field in a scour hole at a wing-wall abutment. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006 , 44, 33-50	1.9	26
48	Discharge prediction in compound channels by end depth method. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006 , 44, 767-776	1.9	7
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