# Gary Parker

List of Publications by Year
in descending order



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|---|---|---|---|
| 192 papers | 16,461 citations | 10956 71 h-index | 17055 122 g-index |
| 209 all docs | 209 docs citations | 209 times ranked | 5593 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Suspended Sediment–Induced Stratification Inferred From Concentration and Velocity Profile Measurements in the Lower Yellow River, China. Water Resources Research, 2022, 58, e2020WR027192. | 1.7 | 7 |
| 2 | Amplification of downstream flood stage due to damming of fine-grained rivers. Nature Communications, 2022, 13, . | 5.8 | 18 |
| 3 | Poyang and Dongting Lakes, Yangtze River: tributary lakes blocked by main-stem aggradation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 5 |
| 4 | Hydraulic resistance in mixed bedrock-alluvial meandering channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2021, 59, 298-313. | 0.7 | 9 |
| 5 | Grain Size–Specific Engelund–Hansen Type Relation for Bed Material Load in Sand–Bed Rivers, With Application to the Mississippi River. Water Resources Research, 2021, 57, e2020WR027517. | 1.7 | 7 |
| 6 | Laboratory observations on meltwater meandering rivulets on ice. Earth Surface Dynamics, 2021, 9, 253-269. | 1.0 | 2 |
| 7 | The role of lateral erosion in the evolution of nondendritic drainage networks to dendricity and the persistence of dynamic networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 11 |
| 8 | Numerical Simulations of Meanders Migrating Laterally as They Incise Into Bedrock. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005645. | 1.0 | 10 |
| 9 | Erosional Cyclic Steps Governed by Plunge Pool Erosion: A Parametric Study Based on Field, Laboratory, and Model Data. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF006034. | 1.0 | 4 |
| 10 | Emplacement of massive deposits by sheet flow. Sedimentology, 2020, 67, 1951-1972. | 1.6 | 5 |
| 11 | The role of saltwater and waves in continental shelf formation with seaward migrating clinoform. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1266-1273. | 3.3 | 6 |
| 12 | Universal relation with regime transition for sediment transport in fine-grained rivers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 171-176. | 3.3 | 26 |
| 13 | Response of the Minnesota River to Variant Sediment Loading. Journal of Hydraulic Engineering, 2020, 146, . | 0.7 | 3 |
| 14 | Adjustment of self–formed bankfull channel geometry of meandering rivers: modelling study. Earth Surface Processes and Landforms, 2020, 45, 3313-3322. | 1.2 | 11 |
| 15 | Entrainment and suspension of sand and gravel. Earth Surface Dynamics, 2020, 8, 485-504. | 1.0 | 32 |
| 16 | How canyons evolve by incision into bedrock: Rainbow Canyon, Death Valley National Park, United States. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14730-14737. | 3.3 | 6 |
| 17 | Mud in rivers transported as flocculated and suspended bed material. Nature Geoscience, 2020, 13, 566-570. | 5.4 | 55 |
| 18 | Can Bankfull Discharge and Bankfull Channel Characteristics of an Alluvial Meandering River be Cospecified From a Flow Duration Curve?. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2381-2401. | 1.0 | 22 |

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| 19 | Flow directionality of pristine meandering rivers is embedded in the skewing of high-amplitude bends and neck cutoffs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23448-23454. | 3.3 | 22 |
| 20 | Modeling Deltaic Lobeâ€Building Cycles and Channel Avulsions for the Yellow River Delta, China. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2438-2462. | 1.0 | 30 |
| 21 | Bankfull Shields number versus slope and grain size. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 760-769. | 0.7 | 7 |
| 22 | Extended Engelundâ€“Hansen type sediment transport relation for mixtures based on the sand-silt-bed Lower Yellow River, China. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 770-785. | 0.7 | 17 |
| 23 | Extreme Memory of Initial Conditions in Numerical Landscape Evolution Models. Geophysical Research Letters, 2019, 46, 6563-6573. | 1.5 | 16 |
| 24 | Origin of a Preferential Avulsion Node on Lowland River Deltas. Geophysical Research Letters, 2019, 46, 4267-4277. | 1.5 | 39 |
| 25 | Bedrock-alluvial streams with knickpoint and plunge pool that migrate upstream with permanent form. Scientific Reports, 2019, 9, 6176. | 1.6 | 7 |
| 26 | Roles of Bank Material in Setting Bankfull Hydraulic Geometry as Informed by the Selenga River Delta, Russia. Water Resources Research, 2019, 55, 827-846. | 1.7 | 19 |
| 27 | Emergent stationarity in Yellow River sediment transport and the underlying shift of dominance: from streamflow to vegetation. Hydrology and Earth System Sciences, 2019, 23, 549-556. | 1.9 | 12 |
| 28 | Experiments on patterns of alluvial cover and bedrock erosion in a meandering channel. Earth Surface Dynamics, 2019, 7, 949-968. | 1.0 | 13 |
| 29 | Can magic sand cause massive degradation of a gravel-bed river at the decadal scale? Shiâ€˜ting River, China. Geomorphology, 2019, 327, 147-158. | 1.1 | 12 |
| 30 | Analytical Solution for Anomalous Diffusion of Bedload Tracers Gradually Undergoing Burial. Journal of Geophysical Research F: Earth Surface, 2019, 124, 21-37. | 1.0 | 24 |
| 31 | Turbidity Currents With Equilibrium Basal Driving Layers: A Mechanism for Long Runout. Geophysical Research Letters, 2018, 45, 1518-1526. | 1.5 | 30 |
| 32 | Hydrogeomorphological differentiation between floodplains and terraces. Earth Surface Processes and Landforms, 2018, 43, 218-228. | 1.2 | 44 |
| 33 | Morphodynamic model of the lower Yellow River: flux or entrainment form for sediment mass conservation?. Earth Surface Dynamics, 2018, 6, 989-1010. | 1.0 | 21 |
| 34 | Upper Mississippi River Flow and Sediment Characteristics and Their Effect on a Harbor Siltation Case. Journal of Hydraulic Engineering, 2018, 144, 04018066. | 0.7 | 4 |
| 35 | The Advectiveâ€Diffusive Morphodynamics of Mixed Bedrockâ€Alluvial Rivers Subjected to Spatiotemporally Varying Sediment Supply. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1731-1755. | 1.0 | 12 |
| 36 | Effects of sand content on initial gravel motion in gravelâ€bed rivers. Earth Surface Processes and Landforms, 2017, 42, 1355-1364. | 1.2 | 26 |

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| 37 | The exceptional sediment load of fine-grained dispersal systems: Example of the Yellow River, China. Science Advances, 2017, 3, e1603114. | 4.7 | 50 |
| 38 | Numerical simulation of largeâ€scale bed load particle tracer advectionâ€dispersion in rivers with free bars. Journal of Geophysical Research F: Earth Surface, 2017, 122, 847-874. | 1.0 | 11 |
| 39 | Incisional cyclic steps of permanent form in mixed bedrockâ€alluvial rivers. Journal of Geophysical Research F: Earth Surface, 2017, 122, 130-152. | 1.0 | 22 |
| 40 | Effect of grain sorting on gravel bed river evolution subject to cycled hydrographs: Bed load sheets and breakdown of the hydrograph boundary layer. Journal of Geophysical Research F: Earth Surface, 2017, 122, 1513-1533. | 1.0 | 21 |
| 41 | Initiation of Channel Head Bifurcation by Overland Flow. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2348-2369. | 1.0 | 1 |
| 42 | Gravelâ€bed river evolution in earthquakeâ€prone regions subject to cycled hydrographs and repeated sediment pulses. Earth Surface Processes and Landforms, 2017, 42, 2426-2438. | 1.2 | 27 |
| 43 | Froude scaling limitations in modeling of turbidity currents. Environmental Fluid Mechanics, 2017, 17, 159-186. | 0.7 | 11 |
| 44 | Morphodynamics of a bedrockâ€alluvial meander bend that incises as it migrates outward: approximate solution of permanent form. Earth Surface Processes and Landforms, 2017, 42, 1342-1354. | 1.2 | 51 |
| 45 | Landscape evolution models using the stream power incision model show unrealistic behavior when <i>m</i>â€‰â^•â€‰<i>n</i> equals 0.5. Earth Surface Dynamics, 2017, 5, 807-820. | 2.0 | 11 |
| 46 | Planform evolution of deltas with graded alluvial topsets: Insights from threeâ€dimensional tank experiments, geometric considerations and field applications. Sedimentology, 2016, 63, 2158-2189. | 1.6 | 17 |
| 47 | Cyclic steps on ice. Journal of Geophysical Research F: Earth Surface, 2016, 121, 1023-1048. | 1.0 | 17 |
| 48 | Closure toâ€œVariable Shields number model for river bankfull geometry: bankfull shear velocity is viscosity-dependent but grain size-independentâ€•by CHUAN LI, MATTHEW J. CZAPIGA, ESTHER C. EKE, ENRICA VIPARELLI, and GARY PARKER,J. Hydraulic Res.53(1), 2015, 36â€“48. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 234-237. | 0.7 | 7 |
| 49 | On how spatial variations of channel width influence river profile curvature. Geophysical Research Letters, 2016, 43, 6313-6323. | 1.5 | 42 |
| 50 | The cause of advective slowdown of tracer pebbles in rivers: Implementation of Exnerâ€Based Master Equation for coevolving streamwise and vertical dispersion. Journal of Geophysical Research F: Earth Surface, 2016, 121, 623-637. | 1.0 | 48 |
| 51 | Controls on gravel termination in seven distributary channels of the Selenga River Delta, Baikal Rift basin, Russia. Bulletin of the Geological Society of America, 2016, 128, 1297-1312. | 1.6 | 20 |
| 52 | Numerical Simulation of Effects of Sediment Supply on Bedrock Channel Morphology. Journal of Hydraulic Engineering, 2016, 142, . | 0.7 | 32 |
| 53 | Internal connectivity of meandering rivers: Statistical generalization of channel hydraulic geometry. Water Resources Research, 2015, 51, 7485-7500. | 1.7 | 7 |
| 54 | Sorting of a sandâ€“gravel mixture in a Gilbertâ€type delta. Sedimentology, 2015, 62, 1446-1465. | 1.6 | 14 |

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| 55 | Morphological evolution of a wellâ€constrained, subaerialâ€“subaqueous source to sink system: Wabush Lake. Sedimentology, 2015, 62, 1636-1664. | 1.6 | 18 |
| 56 | Macro-roughness model of bedrockâ€“alluvial river morphodynamics. Earth Surface Dynamics, 2015, 3, 113-138. | 1.0 | 43 |
| 57 | Variable Shields number model for river bankfull geometry: bankfull shear velocity is viscosity-dependent but grain size-independent. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 36-48. | 0.7 | 72 |
| 58 | Modeling flow and sediment transport dynamics in the lowermost Mississippi River, Louisiana, USA, with an upstream alluvialâ€bedrock transition and a downstream bedrockâ€alluvial transition: Implications for land building using engineered diversions. Journal of Geophysical Research F: Earth Surface, 2015, 120, 534-563. | 1.0 | 23 |
| 59 | Reply to comment by J. Peakall et al. on â€œA simple model for vertical profiles of velocity and suspended sediment concentration in straight and curved submarine channelsâ€. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2074-2078. | 1.0 | 2 |
| 60 | Morphodynamics of river bed variation with variable bedload step length. Earth Surface Dynamics, 2014, 2, 243-253. | 1.0 | 18 |
| 61 | Bed load transport over a broad range of timescales: Determination of three regimes of fluctuations. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2653-2673. | 1.0 | 25 |
| 62 | Coevolution of width and sinuosity in meandering rivers. Journal of Fluid Mechanics, 2014, 760, 127-174. | 1.4 | 40 |
| 63 | A simplified approach to address turbulence modulation in turbidity currents as a response to slope breaks and loss of lateral confinement. Environmental Fluid Mechanics, 2014, 14, 371-385. | 0.7 | 6 |
| 64 | Testing morphodynamic controls on the location and frequency of river avulsions on fans versus deltas: Huanghe (Yellow River), China. Geophysical Research Letters, 2014, 41, 7882-7890. | 1.5 | 103 |
| 65 | Interaction among alluvial cover, bed roughness, and incision rate in purely bedrock and alluvialâ€bedrock channel. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2123-2146. | 1.0 | 82 |
| 66 | Numerical modeling of erosional and depositional bank processes in migrating river bends with selfâ€formed width: Morphodynamics of bar push and bank pull. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1455-1483. | 1.0 | 126 |
| 67 | Exnerâ€Based Master Equation for transport and dispersion of river pebble tracers: Derivation, asymptotic forms, and quantification of nonlocal vertical dispersion. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1818-1832. | 1.0 | 35 |
| 68 | Channel evolution after dam removal in a poorly sorted sediment mixture: Experiments and numerical model. Water Resources Research, 2014, 50, 8997-9019. | 1.7 | 21 |
| 69 | River morphological evolution in earthquake-hit region: Effects of floods and pulsed sediment supply. , 2014, , 1275-1281. | | 2 |
| 70 | Modelling deltaic progradation constrained by a moving sediment source. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 284-292. | 0.7 | 2 |
| 71 | A numerical model to develop long-term sediment budgets using isotopic sediment fingerprints. Computers and Geosciences, 2013, 53, 114-122. | 2.0 | 38 |
| 72 | Morphodynamic modeling of the basal boundary of ice cover on brackish lakes. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1432-1442. | 1.0 | 8 |

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| 73 | Software for evaluating sediment-induced stratification in open-channel flows. Computers and Geosciences, 2013, 53, 94-104. | 2.0 | 30 |
| 74 | The spiral troughs of Mars as cyclic steps. Journal of Geophysical Research E: Planets, 2013, 118, 1835-1857. | 1.5 | 65 |
| 75 | Displacement characteristics of coarse fluvial bed sediment. Journal of Geophysical Research F: Earth Surface, 2013, 118, 155-165. | 1.0 | 82 |
| 76 | Numerical simulation of river meandering with self-evolving banks. Journal of Geophysical Research F: Earth Surface, 2013, 118, 2208-2229. | 1.0 | 127 |
| 77 | Cost analysis of water and sediment diversions to optimize land building in the Mississippi River delta. Water Resources Research, 2013, 49, 3388-3405. | 1.7 | 25 |
| 78 | Turbidity current with a roof: Success and failure of RANS modeling for turbidity currents under strongly stratified conditions. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1975-1998. | 1.0 | 15 |
| 79 | Bankfull hydraulic geometry of submarine channels created by turbidity currents: Relations between bankfull channel characteristics and formative flow discharge. Journal of Geophysical Research F: Earth Surface, 2013, 118, 216-228. | 1.0 | 90 |
| 80 | NUMERICAL ANALYSIS THE MIGRATION OF FREE MEANDERING. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_1183-I_1188. | 0.0 | 0 |
| 81 | CYCLIC STEP MORPHOLOGY FORMED ON BEDROCK. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_955-I_960. | 0.0 | 3 |
| 82 | Emplacement of massive turbidites linked to extinction of turbulence in turbidity currents. Nature Geoscience, 2012, 5, 42-45. | 5.4 | 81 |
| 83 | Sediment mobility and bed armoring in the St Clair River: insights from hydrodynamic modeling. Earth Surface Processes and Landforms, 2012, 37, 957-970. | 1.2 | 9 |
| 84 | Do alternate bars affect sediment transport and flow resistance in gravelâ€bed rivers?. Earth Surface Processes and Landforms, 2012, 37, 866-875. | 1.2 | 55 |
| 85 | Mitigating land loss in coastal Louisiana by controlled diversion of Mississippi River sand. Nature Geoscience, 2012, 5, 534-537. | 5.4 | 100 |
| 86 | Co-evolving delta faces under the condition of a moving sediment source. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 42-54. | 0.7 | 8 |
| 87 | Large Shift in Source of Fine Sediment in the Upper Mississippi River. Environmental Science & Technology, 2011, 45, 8804-8810. | 4.6 | 171 |
| 88 | Self-similar long profiles of aggrading submarine leveed channels: Analytical solution and its application to the Amazon channel. Journal of Geophysical Research, 2011, 116, . | 3.3 | 13 |
| 89 | A model to predict the evolution of a gravel bed river under an imposed cyclic hydrograph and its application to the Trinity River. Water Resources Research, 2011, 47, . | 1.7 | 45 |
| 90 | Natural Processes in Delta Restoration: Application to the Mississippi Delta. Annual Review of Marine Science, 2011, 3, 67-91. | 5.1 | 246 |

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| 91 | A new framework for modeling the migration of meandering rivers. Earth Surface Processes and Landforms, 2011, 36, 70-86. | 1.2 | 267 |
| 92 | Quantitative Testing of Model of Bedrock Channel Incision by Plucking and Macroabrasion. Journal of Hydraulic Engineering, 2011, 137, 1311-1317. | 0.7 | 9 |
| 93 | Physical Basis for Quasi-Universal Relationships Describing Bankfull Hydraulic Geometry of Sand-Bed Rivers. Journal of Hydraulic Engineering, 2011, 137, 739-753. | 0.7 | 130 |
| 94 | Fluvial and submarine morphodynamics of laminar and near-laminar flows: a synthesis. Sedimentology, 2010, 57, 1-26. | 1.6 | 57 |
| 95 | Bedload transport and bed resistance associated with density and turbidity currents. Sedimentology, 2010, 57, 1463-1490. | 1.6 | 46 |
| 96 | Characteristics of Velocity and Excess Density Profiles of Saline Underflows and Turbidity Currents Flowing over a Mobile Bed. Journal of Hydraulic Engineering, 2010, 136, 412-433. | 0.7 | 115 |
| 97 | River morphodynamics with creation/consumption of grain size stratigraphy 2: numerical model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 727-741. | 0.7 | 52 |
| 98 | River morphodynamics with creation/consumption of grain size stratigraphy 1: laboratory experiments. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 715-726. | 0.7 | 20 |
| 99 | Cyclic steps: A phenomenon of supercritical shallow flow from the high mountains to the bottom of the ocean. Journal of Hydro-Environment Research, 2010, 3, 167-172. | 1.0 | 84 |
| 100 | Numerical computation of free meandering channels with the application of slump blocks on the outer bends. Journal of Hydro-Environment Research, 2010, 3, 239-246. | 1.0 | 26 |
| 101 | Normal and anomalous diffusion of gravel tracer particles in rivers. Journal of Geophysical Research, 2010, 115, . | 3.3 | 145 |
| 102 | Physically based model of downstream fining in bedrock streams with lateral input. Water Resources Research, 2010, 46, . | 1.7 | 35 |
| 103 | Direct numerical simulation of stratification effects in a sediment-laden turbulent channel flow. Journal of Turbulence, 2009, 10, N27. | 0.5 | 34 |
| 104 | Turbidity current with a roof: Direct numerical simulation of selfâ€stratified turbulent channel flow driven by suspended sediment. Journal of Geophysical Research, 2009, 114, . | 3.3 | 66 |
| 105 | Experimental study on selfâ€accelerating turbidity currents. Journal of Geophysical Research, 2009, 114, . | 3.3 | 83 |
| 106 | Physically based modeling of bedrock incision by abrasion, plucking, and macroabrasion. Journal of Geophysical Research, 2009, 114, . | 3.3 | 144 |
| 107 | Formation and maintenance of singleâ€thread tie channels entering floodplain lakes: Observations from three diverse river systems. Journal of Geophysical Research, 2009, 114, . | 3.3 | 77 |
| 108 | Delta progradation driven by an advancing sediment source: Coupled theory and experiment describing the evolution of elongated deltas. Water Resources Research, 2009, 45, . | 1.7 | 54 |

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| 109 | Modeling turbidity currents with nonuniform sediment and reverse buoyancy. Water Resources Research, 2009, 45, . | 1.7 | 18 |
| 110 | Is It Feasible to Build New Land in the Mississippi River Delta?. Eos, 2009, 90, 373-374. | 0.1 | 178 |
| 111 | Unravelling the conundrum of river response to rising seaâ€level from laboratory to field. Part I: Laboratory experiments. Sedimentology, 2008, 55, 1643-1655. | 1.6 | 41 |
| 112 | Unravelling the conundrum of river response to rising seaâ€level from laboratory to field. Part II. The Flyâ€“Strickland River system, Papua New Guinea. Sedimentology, 2008, 55, 1657-1686. | 1.6 | 64 |
| 113 | Vertical sorting and the morphodynamics of bed formâ€dominated rivers: A sorting evolution model. Journal of Geophysical Research, 2008, 113, . | 3.3 | 36 |
| 114 | Modeling framework for sediment deposition, storage, and evacuation in the floodplain of a meandering river: Theory. Water Resources Research, 2008, 44, . | 1.7 | 47 |
| 115 | Modeling framework for sediment deposition, storage, and evacuation in the floodplain of a meandering river: Application to the Clark Fork River, Montana. Water Resources Research, 2008, 44, . | 1.7 | 24 |
| 116 | Experimental study of bedrock channel alluviation under varied sediment supply and hydraulic conditions. Water Resources Research, 2008, 44, . | 1.7 | 97 |
| 117 | Transport of Gravel and Sediment Mixtures. , 2008, , 165-251. | | 190 |
| 118 | Effect of Seepage-Induced Nonhydrostatic Pressure Distribution on Bed-Load Transport and Bed Morphodynamics. Journal of Hydraulic Engineering, 2008, 134, 378-389. | 0.7 | 41 |
| 119 | Net local removal of floodplain sediment by river meander migration. Geomorphology, 2008, 96, 123-149. | 1.1 | 138 |
| 120 | 10 Adjustment of the bed surface size distribution of gravel-bed rivers in response to cycled hydrographs. Developments in Earth Surface Processes, 2007, , 241-285. | 2.8 | 32 |
| 121 | Note on the Analysis of Plunging of Density Flows. Journal of Hydraulic Engineering, 2007, 133, 690-694. | 0.7 | 27 |
| 122 | Physical basis for quasiâ€universal relations describing bankfull hydraulic geometry of singleâ€thread gravel bed rivers. Journal of Geophysical Research, 2007, 112, . | 3.3 | 342 |
| 123 | Experiments on dispersion of tracer stones under lower-regime plane-bed equilibrium bed load transport. Water Resources Research, 2007, 43, . | 1.7 | 119 |
| 124 | Numerical model linking bed and bank evolution of incisional channel created by dam removal. Water Resources Research, 2007, 43, . | 1.7 | 75 |
| 125 | Reanalysis and Correction of Bed-Load Relation of Meyer-Peter and MÃ¼ller Using Their Own Database. Journal of Hydraulic Engineering, 2006, 132, 1159-1168. | 0.7 | 467 |
| 126 | Depositional Turbidity Currents in Diapiric Minibasins on the Continental Slope: Formulation and Theory. Journal of Sedimentary Research, 2006, 76, 783-797. | 0.8 | 45 |

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| 127 | Depositional Turbidity Currents in Diapiric Minibasins on the Continental Slope: Experiments--Numerical Simulation and Upscaling. Journal of Sedimentary Research, 2006, 76, 798-818. | 0.8 | 42 |
| 128 | Vertical sorting and the morphodynamics of bed-form-dominated rivers: An equilibrium sorting model. Journal of Geophysical Research, 2006, 111, . | 3.3 | 32 |
| 129 | Experiments on the effect of hydrograph characteristics on vertical grain sorting in gravel bed rivers. Water Resources Research, 2006, 42, . | 1.7 | 147 |
| 130 | One-dimensional modeling of bed evolution in a gravel bed river subject to a cycled flood hydrograph. Journal of Geophysical Research, 2006, 111, n/a-n/a. | 3.3 | 52 |
| 131 | Channel formation by flow stripping: large-scale scour features along the Monterey East Channel and their relation to sediment waves. Sedimentology, 2006, 53, 1265-1287. | 1.6 | 257 |
| 132 | Dam Removal Express Assessment Models (DREAM). Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 308-323. | 0.7 | 45 |
| 133 | The response of turbidity currents to a canyonâ€“fan transition: internal hydraulic jumps and depositional signatures. Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 631-653. | 0.7 | 126 |
| 134 | Dam Removal Express Assessment Models (DREAM).. Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 291-307. | 0.7 | 112 |
| 135 | Theory for a clinoform of permanent form on a continental margin emplaced by weak, dilute muddy turbidity currents. , 2006, , . | | 8 |
| 136 | More on the evolution of bed material waves in alluvial rivers. Earth Surface Processes and Landforms, 2005, 30, 107-114. | 1.2 | 37 |
| 137 | Probabilistic formulation of conservation of cosmogenic nuclides: effect of surface elevation fluctuations on approach to steady state. Earth Surface Processes and Landforms, 2005, 30, 1127-1144. | 1.2 | 17 |
| 138 | Transportational cyclic steps created by flow over an erodible bed. Part 2. Theory and numerical simulation. Journal of Hydraulic Research/De Recherches Hydrauliques, 2005, 43, 502-514. | 0.7 | 62 |
| 139 | Transportational cyclic steps created by flow over an erodible bed. Part 1. Experiments. Journal of Hydraulic Research/De Recherches Hydrauliques, 2005, 43, 488-501. | 0.7 | 91 |
| 140 | Modeling downstream fining in sand-bed rivers. I: formulation. Journal of Hydraulic Research/De Recherches Hydrauliques, 2005, 43, 613-620. | 0.7 | 28 |
| 141 | Density Stratification Effects in Sand-Bed Rivers. Journal of Hydraulic Engineering, 2004, 130, 783-795. | 0.7 | 89 |
| 142 | Flow Resistance and Suspended Load in Sand-Bed Rivers: Simplified Stratification Model. Journal of Hydraulic Engineering, 2004, 130, 796-805. | 0.7 | 146 |
| 143 | Vertical sorting and the morphodynamics of bed form-dominated rivers: A modeling framework. Journal of Geophysical Research, 2004, 109, n/a-n/a. | 3.3 | 57 |
| 144 | Experiments on upstream-migrating erosional narrowing and widening of an incisional channel caused by dam removal. Water Resources Research, 2004, 40, . | 1.7 | 77 |

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| 145 | Bed load at low Shields stress on arbitrarily sloping beds: Alternative entrainment formulation. Water Resources Research, 2003, 39, . | 1.7 | 99 |
| 146 | Sediment pulses in mountain rivers: 1. Experiments. Water Resources Research, 2003, 39, . | 1.7 | 99 |
| 147 | Progradational sand-mud deltas in lakes and reservoirs. Part 1. Theory and numerical modeling. Journal of Hydraulic Research/De Recherches Hydrauliques, 2003, 41, 127-140. | 0.7 | 77 |
| 148 | Effect of Floodwater Extraction on Mountain Stream Morphology. Journal of Hydraulic Engineering, 2003, 129, 885-895. | 0.7 | 113 |
| 149 | Experiments on incipient channelization of submarine fans. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 21-32. | 0.7 | 24 |
| 150 | Fluvial fan deltas: Linking channel processes with large-scale morphodynamics. Water Resources Research, 2002, 38, 26-1-26-10. | 1.7 | 67 |
| 151 | Bed load at low Shields stress on arbitrarily sloping beds: Failure of the Bagnold hypothesis. Water Resources Research, 2002, 38, 31-1-31-16. | 1.7 | 109 |
| 152 | Distinguishing sediment waves from slope failure deposits: field examples, including the â€˜Humboldt slideâ€™, and modelling results. Marine Geology, 2002, 192, 79-104. | 0.9 | 187 |
| 153 | The dominance of dispersion in the evolution of bed material waves in gravel-bed rivers. Earth Surface Processes and Landforms, 2001, 26, 1409-1420. | 1.2 | 209 |
| 154 | Fluvio-deltaic sedimentation: A generalized Stefan problem. European Journal of Applied Mathematics, 2000, 11, 433-452. | 1.4 | 136 |
| 155 | Purely erosional cyclic and solitary steps created by flow over a cohesive bed. Journal of Fluid Mechanics, 2000, 419, 203-238. | 1.4 | 135 |
| 156 | Linear stability analysis of channel inception: downstream-driven theory. Journal of Fluid Mechanics, 2000, 419, 239-262. | 1.4 | 94 |
| 157 | Probabilistic Exner Sediment Continuity Equation for Mixtures with No Active Layer. Journal of Hydraulic Engineering, 2000, 126, 818-826. | 0.7 | 170 |
| 158 | The Influence of Transport Fluctuations on Spatially Averaged Topography on a Sandy, Braided Fluvial Fan. , 1999, , . | | 18 |
| 159 | The arrested gravel front: stable gravel-sand transitions in rivers Part 1: Simplified analytical solution. Journal of Hydraulic Research/De Recherches Hydrauliques, 1998, 36, 75-100. | 0.7 | 66 |
| 160 | The arrested gravel front: stable gravel-sand transitions in rivers Part 2: General numerical solution. Journal of Hydraulic Research/De Recherches Hydrauliques, 1998, 36, 159-182. | 0.7 | 73 |
| 161 | Alluvial Fans Formed by Channelized Fluvial and Sheet Flow. I: Theory. Journal of Hydraulic Engineering, 1998, 124, 985-995. | 0.7 | 201 |
| 162 | Alluvial Fans Formed by Channelized Fluvial and Sheet Flow. II: Application. Journal of Hydraulic Engineering, 1998, 124, 996-1004. | 0.7 | 49 |

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