

# J Dungan Smith

## List of Publications by Year in descending order

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39  
papers

4,928  
citations

172457

29  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of stageâ€discharge relations for gravel bedded channels. Journal of Geophysical Research, 2010, 115, .	3.3	14
2	Test of a Method to Calculate Near-Bank Velocity and Boundary Shear Stress. Journal of Hydraulic Engineering, 2009, 135, 588-601.	1.5	54
3	Beaver, Willow Shrubs, and Floods. , 2007, , 603-671.		4
4	Form drag in rivers due to small-scale natural topographic features: 1. Regular sequences. Journal of Geophysical Research, 2006, 111, .	3.3	55
5	Form drag in rivers due to small-scale natural topographic features: 2. Irregular sequences. Journal of Geophysical Research, 2006, 111, .	3.3	38
6	Critical shear stress for erosion of cohesive soils subjected to temperatures typical of wildfires. Journal of Geophysical Research, 2005, 110, .	3.3	69
7	Generation and verification of theoretical rating curves in the Whitewater River basin, Kansas. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	30
8	Floodplain stabilization by woody riparian vegetation during an extreme flood. Water Science and Application, 2004, , 221-236.	0.3	13
9	Flow and boundary shear stress in channels with woody bank vegetation. Water Science and Application, 2004, , 237-252.	0.3	65
10	The role of riparian shrubs in preventing floodplain unraveling along the Clark Fork of the Columbia River in the Deer Lodge Valley, Montana. Water Science and Application, 2004, , 71-85.	0.3	24
11	Flow and suspended-sediment transport in the Colorado River near National Canyon. Geophysical Monograph Series, 1999, , 99-115.	0.1	5
12	Predicting the migration rates of subaqueous dunes. Water Resources Research, 1996, 32, 3207-3217.	4.2	70
13	Velocity distribution and bed roughness in high-gradient streams. Water Resources Research, 1991, 27, 825-838.	4.2	198
14	Residual circulation in shallow estuaries: 1. Highly stratified, narrow estuaries. Journal of Geophysical Research, 1990, 95, 711-731.	3.3	100
15	Residual circulation in shallow estuaries: 2. Weakly stratified and partially mixed, narrow estuaries. Journal of Geophysical Research, 1990, 95, 733-748.	3.3	101
16	Circulation, density distribution and neap-spring transitions in the Columbia River Estuary. Progress in Oceanography, 1990, 25, 81-112.	3.2	187
17	Model for Calculating Bed Load Transport of Sediment. Journal of Hydraulic Engineering, 1989, 115, 101-123.	1.5	157
18	Mechanics of flow over ripples and dunes. Journal of Geophysical Research, 1989, 94, 8146-8162.	3.3	151

#	ARTICLE	IF	CITATIONS
19	Evolution and stability of erodible channel beds. <i>Water Resources Monograph</i> , 1989, , 321-377.	1.0	97
20	Flow in meandering channels with natural topography. <i>Water Resources Monograph</i> , 1989, , 69-102.	1.0	135
21	Calculations of the critical shear stress for motion of uniform and heterogeneous sediments. <i>Water Resources Research</i> , 1987, 23, 1471-1480.	4.2	465
22	Shear Instability in a Highly Stratified Estuary. <i>Journal of Physical Oceanography</i> , 1987, 17, 1668-1679.	1.7	145
23	A Model for Flow Over Two-Dimensional Bed Forms. <i>Journal of Hydraulic Engineering</i> , 1986, 112, 300-317.	1.5	129
24	A theoretical model for saltating grains in water. <i>Journal of Geophysical Research</i> , 1985, 90, 7341-7354.	3.3	211
25	A Model for Flow in Meandering Streams. <i>Water Resources Research</i> , 1984, 20, 1301-1315.	4.2	175
26	Bed Load Transport in a River Meander. <i>Water Resources Research</i> , 1984, 20, 1355-1380.	4.2	243
27	Influence of the point bar on flow through curved channels. <i>Water Resources Research</i> , 1983, 19, 1173-1192.	4.2	362
28	A comparison of field data and theoretical models for wave-current interactions at the bed on the continental shelf. <i>Continental Shelf Research</i> , 1983, 2, 147-162.	1.8	121
29	Tidal interaction of stratified flow with a sill in Knight Inlet. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1980, 27, 239-254.	1.5	268
30	Turbulent Processes in Estuaries. , 1980, , 1-34.		8
31	Mixing Induced by Internal Hydraulic Disturbances in the Vicinity of Sills. , 1980, , 251-257.		0
32	Turbulence measurements in the boundary layer over a sand wave field. <i>Journal of Geophysical Research</i> , 1979, 84, 7791-7808.	3.3	60
33	Flow and Sediment Transport in a Sand Bedded Meander. <i>Journal of Geology</i> , 1979, 87, 305-315.	1.4	198
34	Nonlinear Internal Waves in a Fjord. <i>Elsevier Oceanography Series</i> , 1978, 23, 465-493.	0.1	36
35	Turbulent Mixing in a Salt Wedge Estuary. <i>Elsevier Oceanography Series</i> , 1978, 23, 79-106.	0.1	15
36	Boundary Layer Adjustments to Bottom Topography and Suspended Sediment. <i>Elsevier Oceanography Series</i> , 1977, 19, 123-151.	0.1	50

#	ARTICLE	IF	CITATIONS
37	Spatially averaged flow over a wavy surface. Journal of Geophysical Research, 1977, 82, 1735-1746.	3.3	750
38	Stability of a sand bed subjected to a shear flow of low Froude number. Journal of Geophysical Research, 1970, 75, 5928-5940.	3.3	115
39	Boundary Shear Stress in Rivers and Estuaries. ASCE Waterways, Harbors, and Coastal Engineering Division Journal, 1970, 96, 335-358.	0.2	10