

Bimlesh Kumar

List of Publications by Citations

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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.

192
papers

1,324
citations

16
h-index

29
g-index

206
ext. papers

1,636
ext. citations

2.3
avg, IF

5.37
L-index

#	Paper	IF	Citations
192	Indicator-based urban sustainability review. <i>Energy for Sustainable Development</i> , 2013 , 17, 555-563	5.4	155
191	Decentralised renewable energy: Scope, relevance and applications in the Indian context. <i>Energy for Sustainable Development</i> , 2009 , 13, 4-10	5.4	110
190	Turbulent flow structures and geomorphic characteristics of a mining affected alluvial channel. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 1811-1824	3.7	44
189	Turbulent flow structures in alluvial channels with curved cross-sections under conditions of downward seepage. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 1073-1087	3.7	35
188	Geometry of sand-bed channels with seepage. <i>Geomorphology</i> , 2011 , 128, 171-177	4.3	34
187	Bottom-up approach for decentralised energy planning: Case study of Tumkur district in India. <i>Energy Policy</i> , 2010 , 38, 862-874	7.2	30
186	Structure of turbulence over non uniform sand bed channel with downward seepage. <i>European Journal of Mechanics, B/Fluids</i> , 2017 , 65, 530-551	2.4	24
185	Teager energy based blood cell segmentation		23
184	Mass transfer and power characteristics of stirred tank with Rushton and curved blade impeller 2017 , 20, 730-737		21
183	Turbulent characteristics and evolution of sheet flow in an alluvial channel with downward seepage. <i>Geomorphology</i> , 2015 , 248, 161-171	4.3	20
182	Flow characteristics in an alluvial channel covered partially with submerged vegetation. <i>Ecological Engineering</i> , 2016 , 94, 478-492	3.9	20
181	Information entropy as a tool in surface water quality assessment. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	20
180	Turbulent flow statistics of vegetative channel with seepage. <i>Journal of Applied Geophysics</i> , 2015 , 123, 267-276	1.7	17
179	Finite element and ANN-based prediction of bearing capacity of square footing resting on the crest of c-Boil slope. <i>International Journal of Geotechnical Engineering</i> , 2020 , 14, 176-187	1.5	17
178	Impact of sand mining on alluvial channel flow characteristics. <i>Ecological Engineering</i> , 2019 , 135, 36-44	3.9	16
177	The use of circular surface aerators in wastewater treatment tanks. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 101-107	3.5	16
176	. <i>ScienceAsia</i> , 2009 , 35, 183	1.4	16

175	Mechanical properties of open graded friction course mixtures with different contents of electric arc furnace steel slag as an alternative aggregate from steel industries. <i>Road Materials and Pavement Design</i> , 2021 , 22, 268-292	2.6	16
174	Multiscale characterization of migrating sand wave in mining induced alluvial channel. <i>Ecological Engineering</i> , 2017 , 102, 199-206	3.9	15
173	Neural network prediction of bed material load transport. <i>Hydrological Sciences Journal</i> , 2012 , 57, 956-966	3.6	15
172	Regression model for sediment transport problems using multi-gene symbolic genetic programming. <i>Computers and Electronics in Agriculture</i> , 2014 , 103, 82-90	6.5	14
171	Experimentation on submerged flow over flexible vegetation patches with downward seepage. <i>Ecological Engineering</i> , 2016 , 91, 158-168	3.9	14
170	Clogging evaluation of open graded friction course mixes with EAF steel slag and modified binders. <i>Construction and Building Materials</i> , 2018 , 159, 220-233	6.7	14
169	Evaluation of satellite-altimetry-derived river stage variation for the braided Brahmaputra River. <i>International Journal of Remote Sensing</i> , 2014 , 35, 7815-7827	3.1	13
168	Bioenergy and food security: Indian context. <i>Energy for Sustainable Development</i> , 2009 , 13, 265-270	5.4	13
167	Scale-up criteria of square tank surface aerator. <i>Biotechnology and Bioengineering</i> , 2007 , 96, 464-70	4.9	13
166	Channel Hydrodynamics of Submerged, Flexible Vegetation with Seepage. <i>Journal of Hydraulic Engineering</i> , 2016 , 142, 04016053	1.8	12
165	Flow characteristics in a partly vegetated channel with emergent vegetation and seepage. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 93-108	2.8	11
164	Experimental investigation on flow and scour characteristics around tandem piers in sandy channel with downward seepage. <i>Journal of Marine Science and Application</i> , 2017 , 16, 313-322	1.2	11
163	Oxygen transfer and energy dissipation rate in surface aerator. <i>Bioresource Technology</i> , 2009 , 100, 2886-81	3.1	11
162	Turbulence Characteristics of Vegetated Channel With Downward Seepage. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016 , 138,	2.1	11
161	Dynamic characterization of the migration of a mining pit in an alluvial channel. <i>International Journal of Sediment Research</i> , 2019 , 34, 155-165	3	11
160	Assessment of surface water quality of Pagladia, Beki and Kolong rivers (Assam, India) using multivariate statistical techniques. <i>International Journal of River Basin Management</i> , 2020 , 18, 511-520	1.7	11
159	Risk characterization and surface water quality assessment of Manas River, Assam (India) with an emphasis on the TOPSIS method of multi-objective decision making. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	11
158	Optimization of waste combinations during in-vessel composting of agricultural waste. <i>Waste Management and Research</i> , 2017 , 35, 101-109	4	10

157	An investigation on water quality variability and identification of ideal monitoring locations by using entropy based disorder indices. <i>Science of the Total Environment</i> , 2019 , 647, 1444-1455	10.2	10
156	Metamodeling approach to predict friction factor of alluvial channel. <i>Computers and Electronics in Agriculture</i> , 2010 , 70, 144-150	6.5	10
155	Probability distribution of turbulence in curvilinear cross section mobile bed channel. <i>Water Science and Technology</i> , 2016 , 73, 1472-82	2.2	10
154	Boundary layer development over non-uniform sand rough bed channel. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 25, 162-169	1.5	10
153	Development of irrigation water quality index incorporating information entropy. <i>Environment, Development and Sustainability</i> , 2020 , 22, 3119-3132	4.5	10
152	Effect of downward seepage on turbulent flow characteristics and bed morphology around bridge piers. <i>Journal of Marine Science and Application</i> , 2017 , 16, 60-72	1.2	9
151	Bedload transport and temporal variation of non-uniform sediment in a seepage-affected alluvial channel. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1001-1012	3.5	9
150	Review and assessment of the theories of stable alluvial channel design. <i>Water Resources</i> , 2012 , 39, 481-487	4.9	9
149	Predictive Capability of Bedload Equations Using Flume Data. <i>Journal of Hydrology and Hydromechanics</i> , 2012 , 60, 45-56	2.1	9
148	Decentralized energy planning through a case study of a typical village in India. <i>Journal of Renewable and Sustainable Energy</i> , 2009 , 1, 043103	2.5	9
147	Neural Modeling of Square Surface Aerators. <i>Journal of Environmental Engineering, ASCE</i> , 2007 , 133, 411-418	2	9
146	Prediction of scour depth and dune morphology around circular bridge piers in seepage affected alluvial channels. <i>Environmental Fluid Mechanics</i> , 2018 , 18, 923-945	2.2	8
145	Modified singular spectrum analysis for despiking acoustic Doppler velocimeter (ADV) data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 117, 339-346	4.6	8
144	Randomness representation of Turbulence in an alluvial channel affected by downward seepage. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 509, 74-85	3.3	8
143	Metamodel-based design of alluvial channels at incipient motion subjected to seepage. <i>Hydrological Sciences Journal</i> , 2010 , 55, 459-466	3.5	8
142	Analysis of gradually and spatially varied flow in sand-bed channels. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 274-279	1.9	8
141	Resistance Characteristics of Surface Aerators. <i>Journal of Hydraulic Engineering</i> , 2009 , 135, 38-44	1.8	8
140	Probability distribution functions of turbulence in seepage-affected alluvial channel. <i>Fluid Dynamics Research</i> , 2017 , 49, 015508	1.2	7

139	Evaluation of Frictional Pavement Resistance as a Function of Aggregate Physical Properties. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2017 , 143, 04017003	1.4	7
138	Sheet flow hydrodynamics over a non-uniform sand bed channel. <i>International Journal of Sediment Research</i> , 2018 , 33, 313-326	3	7
137	Advent of sheet flow in suction affected alluvial channels. <i>Environmental Fluid Mechanics</i> , 2016 , 16, 25-44.2	4.2	7
136	Comparison of flow patterns of dual rushton and CD-6 impellers. <i>Theoretical Foundations of Chemical Engineering</i> , 2013 , 47, 344-355	0.9	7
135	Flow resistance in alluvial channel. <i>Water Resources</i> , 2011 , 38, 745-754	0.9	7
134	Decentralized sustainable energy planning of Tumkur district, India. <i>Environmental Progress and Sustainable Energy</i> , 2011 , 30, 248-258	2.5	7
133	Energy Dissipation and Shear Rate with Geometry of Baffled Surface Aerator. <i>Chemical Engineering Research Bulletin</i> , 2010 , 14,	0	7
132	Drag and Turbulent Characteristics of Mobile Bed Channel With Mixed Vegetation Densities Under Downward Seepage. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016 , 138,	2.1	7
131	Prediction of hydraulic conductivity for soilBentonite mixture. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 1625-1634	3.3	6
130	Double averaged turbulence characteristics of alluvial channel with downward seepage. <i>Canadian Journal of Civil Engineering</i> , 2018 , 45, 135-151	1.3	6
129	Turbulent Flow Structures and Scour Hole Characteristics around Circular Bridge Piers over Non-Uniform Sand Bed Channels with Downward Seepage. <i>Water (Switzerland)</i> , 2019 , 11, 1580	3	6
128	Scale up criteria for dual stirred gas-liquid unbaffled tank with concave blade impeller. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 1339-1348	2.8	6
127	Large-eddy simulation of turbulent flow in stirred tank with a curved blade impeller. <i>Journal of Engineering Thermophysics</i> , 2015 , 24, 152-168	1.4	6
126	Design considerations and economics of different shaped surface aeration tanks. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 1338-1343	2.8	6
125	Turbulent parameters and corresponding sediment transport in curved cross-section channel. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 333-342	1.5	5
124	On the Morphodynamic Alterations around Bridge Piers under the Influence of Instream Mining. <i>Water (Switzerland)</i> , 2019 , 11, 1676	3	5
123	Investigation of the Ductility Demand in Multi-Story Buildings Subjected to Near Field Ground Motions Using Neural Network Approach. <i>Journal of Earthquake Engineering</i> , 2008 , 12, 1314-1324	1.8	5
122	Relative Performance of Different Shaped Surface Aeration Tanks. <i>Water Quality Research Journal of Canada</i> , 2007 , 42, 26-40	1.7	5

121	Scaling Up of the Geometrically Similar Unbaffled Circular Tank Surface Aerators. <i>Chemical Engineering and Technology</i> , 2008 , 31, 287-293	2	5
120	Prediction of Hydraulic Conductivity of Soil Bentonite Mixture Using Hybrid-ANN Approach. <i>Journal of Environmental Informatics</i> ,	3	5
119	Prediction of frictional characteristics of bituminous mixes using group method of data handling and multigene symbolic genetic programming. <i>Engineering With Computers</i> , 2020 , 36, 1875-1888	4.5	5
118	Mining pit migration of an alluvial channel: experimental and numerical investigations. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 448-456	1.5	5
117	Design of a Gas-Liquid Unbaffled Stirred Tank with a Concave Blade Impeller. <i>Journal of Engineering Physics and Thermophysics</i> , 2015 , 88, 76-87	0.6	4
116	Analytical solution of the one-dimensional contaminant transport equation in groundwater with time-varying boundary conditions. <i>ISH Journal of Hydraulic Engineering</i> , 2018 , 1-6	1.5	4
115	Comparison of Scour and Flow Characteristics Around Circular and Oblong Bridge Piers in Seepage Affected Alluvial Channels. <i>Journal of Marine Science and Application</i> , 2018 , 17, 254-264	1.2	4
114	Randomness in flow turbulence around a bridge pier in a sand mined channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 535, 122426	3.3	4
113	Surface water quality assessment of Amingaon (Assam, India) using multivariate statistical techniques. <i>Water Practice and Technology</i> , 2017 , 12, 997-1008	0.9	4
112	Radial Basis Function Network Based Design of Incipient Motion Condition of Alluvial Channels with Seepage. <i>Journal of Hydrology and Hydromechanics</i> , 2010 , 58, 102-113	2.1	4
111	Transition of turbulent pipe flow. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009 , 47, 529-533	1.9	4
110	Incipient motion design of sand bed channels affected by bed suction. <i>Computers and Electronics in Agriculture</i> , 2010 , 74, 321-328	6.5	4
109	Power characteristics of surface aerators. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 805-813	3.5	4
108	Laboratory Evaluation of Mix Design Parameters of Open-Graded Friction Course Mixes with Electric Arc Furnace Steel Slag. <i>Advances in Civil Engineering Materials</i> , 2018 , 7, 20180071	0.7	4
107	Investigation of the Effect of Vegetation on Flow Structures and Turbulence Anisotropy around Semi-Elliptical Abutment. <i>Water (Switzerland)</i> , 2021 , 13, 3108	3	4
106	Review of existing heavy metal contamination indices and development of an entropy-based improved indexing approach. <i>Environment, Development and Sustainability</i> , 2020 , 22, 7847-7864	4.5	4
105	Multi-scale statistical characterization of migrating pier scour depth in non-uniform sand bed channel. <i>International Journal of River Basin Management</i> , 2017 , 15, 265-276	1.7	3
104	Effect of seepage on flow and bedforms dynamics. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1803-1819	3.1	3

103	Turbulent characteristics of sinuous river bend. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 1-8	1.5	3
102	Streambed instabilities around a bridge pier in a dredged channel. <i>River Research and Applications</i> , 2020 , 36, 1360-1365	2.3	3
101	The local scour around bridge piers— review of remedial techniques. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 1-14	1.5	3
100	High-Order Velocity Moments of Turbulent Boundary Layers in Seepage Affected Alluvial Channel. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	3
99	Turbulent characteristics of densely flexible submerged vegetated channel. <i>ISH Journal of Hydraulic Engineering</i> , 2016 , 22, 220-226	1.5	3
98	Flow and bedform dynamics in an alluvial channel with downward seepage. <i>Catena</i> , 2017 , 158, 219-234	5.8	3
97	Detached Eddy Simulation of Turbulent Flow in Stirred Tank Reactor. <i>Procedia Engineering</i> , 2015 , 127, 87-94		3
96	Flow prediction in vegetative channel using hybrid artificial neural network approach. <i>Journal of Hydroinformatics</i> , 2014 , 16, 839-849	2.6	3
95	Mass transfer and shear rate in baffled surface aerator. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 502-506	2.8	3
94	What would be the three key preconditions for jumpstarting or scaling up the transfer of environmentally sound technologies for climate change to developing countries? <i>Natural Resources Forum</i> , 2009 , 33, 334-337	2.2	3
93	Oxygen transfer in circular surface aeration tanks. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 747-53	2.6	3
92	Influence of impeller submergence depth on power consumption in stirred tank. <i>Chemical Engineering Research Bulletin</i> , 2011 , 15,	0	3
91	CFD simulation of flow patterns in unbaffled stirred tank with CD-6 impeller. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012 , 18, 535-546	0.7	3
90	Continuous-Flow Surface Aeration Systems. <i>Chemical Engineering and Technology</i> , 2010 , 33, 305-314	2	3
89	Moisture Susceptibility of Open-Graded Friction Course Mixes with EAF Steel Slag and Modified Binders. <i>Advances in Civil Engineering Materials</i> , 2019 , 8, 20180158	0.7	3
88	Square Surface Aerator: Process Modeling and Parameter Optimization. <i>Journal of Environmental Informatics</i> , 2007 , 9, 108-117	3	3
87	An integrated networking approach for a sustainable textile sector in Solapur, India. <i>Urbani Izziv</i> , 2012 , 23, 140-151	1	3
86	Gaussian Process Regression to Predict Incipient Motion of Alluvial Channel. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 435-441	0.4	3

85	Study of flow turbulence around a circular bridge pier in sand-mined stream channel. <i>Water Management</i> , 2020 , 173, 217-237	1	3
84	Alluvial channel hydrodynamics around tandem piers with downward seepage. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 1445-1461	2.5	3
83	Comparison of bed shear stress in plane and curvilinear bed channel using multiple criteria. <i>Water Resources</i> , 2016 , 43, 79-85	0.9	3
82	Flow resistance in seepage-affected alluvial channel. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 127-137	1.37	3
81	Conditional Statistics of Reynolds Stress in Curvilinear Cross Section Incipient Motion Channel. <i>Water Resources</i> , 2019 , 46, 367-376	0.9	2
80	Analysing turbulence characteristics of flow over submerged flexible vegetated channel. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 265-275	1.5	2
79	A numerical study on hydraulic resistance in flow with vegetation patch. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 1-8	1.5	2
78	Prediction of Coefficient of Consolidation Using Multi-Gene Genetic Programming. <i>INAE Letters</i> , 2019 , 4, 173-179	0.7	2
77	Effect of downward seepage on the shape of an alluvial channel. <i>Water Management</i> , 2017 , 170, 3-14	1	2
76	Regime relationships of alluvial canal with seepage. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010 , 48, 315-319	1.9	2
75	Energy losses at pipe trifurcations. <i>Urban Water Journal</i> , 2009 , 6, 333-340	2.3	2
74	Simulating Surface Aeration Systems at Different Scale of Mixing Time. <i>Chinese Journal of Chemical Engineering</i> , 2009 , 17, 355-358	3.2	2
73	Experts address the question: Can the growing demand for biofuels be met without threatening food security? <i>Natural Resources Forum</i> , 2009 , 33, 171-173	2.2	2
72	Data mining approach for friction factor in mobile bed channel. <i>Water Management</i> , 2011 , 164, 15-25	1	2
71	Shape effect on optimal geometric conditions in surface aeration systems. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 159-162	2.8	2
70	Performance comparison of batch and continuous flow surface aeration systems. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1796-1800	2.8	2
69	Sustainable bioenergy production strategies for rural India. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010 , 15, 571-590	3.9	2
68	VORTEX DEPTH ANALYSIS IN AN UNBAFFLED STIRRED TANK WITH CONCAVE BLADE IMPELLER. <i>Chemistry and Chemical Technology</i> , 2017 , 11, 301-307	0.9	2

67	Studies on emergent flow over vegetative channel bed with downward seepage. <i>Hydrological Sciences Journal</i> , 2016 , 1-13	3.5	2
66	Water quality evaluation and apportionment of pollution sources: a case study of the Baralia and Puthimari River (India). <i>Water Practice and Technology</i> , 2021 , 16, 692-706	0.9	2
65	Anisotropy Properties of Turbulence in Flow Over Seepage Bed. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2022 , 144,	2.1	2
64	Turbulence in a compound channel with the combination of submerged and emergent vegetation. <i>Physics of Fluids</i> , 2022 , 34, 045114	4.4	2
63	Hydrodynamics of submerged vegetated alluvial channel with downward seepage. <i>Canadian Journal of Civil Engineering</i> , 2017 , 44, 174-181	1.3	1
62	Turbulence in continuous flow surface aeration systems. <i>Water Science and Technology</i> , 2017 , 75, 1148-1157	1.5	1
61	Deciphering Morphological Changes in a Sinuous River System by Higher-Order Velocity Moments. <i>Water (Switzerland)</i> , 2020 , 12, 772	3	1
60	Effects of superficial gas velocity on process dynamics in bioreactors. <i>Thermophysics and Aeromechanics</i> , 2014 , 21, 365-382	0.9	1
59	Particle Swarm Optimization Neural Network for Flow Prediction in Vegetative Channel. <i>Journal of Intelligent Systems</i> , 2013 , 22, 487-501	1.5	1
58	Low-Cost Bioenergy Options for Rural India. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 70-80	3	1
57	Oxygen transfer and shear rate in surface aerator. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 947-51	2.6	1
56	Optimal Geometric Parameters in Baffled Surface Aeration Systems. <i>Water Practice and Technology</i> , 2009 , 4,	0.9	1
55	Application of ANN for predicting pore water pressure response in a shake table test. <i>International Journal of Geotechnical Engineering</i> , 2008 , 2, 153-160	1.5	1
54	Variability of Energy Dissipation and Shear Rate with Geometry in Unbaffled Surface Aerator. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2009 , 4,	1.7	1
53	Aspect ratio effect on oxygen transfer process in rectangular tank surface aerator. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007 , 2, 592-598	1.3	1
52	Barriers to Adoption of Commercial Green Buildings in India: A Review. <i>Journal of Infrastructure Development</i> , 097493062110584	0.4	1
51	Comparison of flow and morphological characteristics in uniform and non-uniform sand bed channel. <i>Canadian Journal of Civil Engineering</i> , 2020 , 47, 678-690	1.3	1
50	Surface water quality and health risk assessment of Kameng river (Assam, India). <i>Water Practice and Technology</i> , 2020 , 15, 1190-1201	0.9	1

49	Source apportionment for spatial variation of surface water quality using chemometric techniques. <i>Environmental Forensics</i> ,1-11	1.6	1
48	Comparison of flow turbulence over a sand bed and gravel bed channel. <i>Water Science and Technology: Water Supply</i> ,	1.4	1
47	Probability distribution functions of turbulence using multiple criteria over non-uniform sand bed channel. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 163-172	1.5	1
46	Experimental study on near-bed flow turbulence of sinuous channel with downward seepage. <i>Water Management</i> , 2021 , 174, 173-186	1	1
45	Design of Self-Aerating Unbaffled Stirred Tank with Concave Blade Impeller. <i>Journal of Engineering Thermophysics</i> , 2018 , 27, 254-269	1.4	1
44	Optimal Impeller Clearance for a Dual Stirred Unbaffled Tank with a Concave Blade Impeller. <i>Journal of Engineering Physics and Thermophysics</i> , 2016 , 89, 950-956	0.6	0
43	Quantification of turbulent flow anisotropy in an alluvial channel mining pit. <i>Marine Georesources and Geotechnology</i> ,1-10	2.2	0
42	Turbulent Flow Structures in Developing and Fully-Developed Flows under the Impact of Downward Seepage. <i>Water (Switzerland)</i> , 2022 , 14, 500	3	0
41	Effect of sand mining on the flow hydrodynamics around an oblong bridge pier. <i>Engineering Research Express</i> , 2021 , 3, 045028	0.9	0
40	Experimental Study on the Near-Bed Flow Characteristics of Alluvial Channel with Seepage. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9619	2.6	0
39	Information measures through velocity time series in a seepage affected alluvial sinuous channel. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 1925-1938	3.5	0
38	Downward seepage effects on dynamics of scour depth and migrating dune-like bedforms at tandem piers. <i>Canadian Journal of Civil Engineering</i> , 2020 , 47, 13-24	1.3	0
37	A novel Python module for statistical analysis of turbulence (P-SAT) in geophysical flows. <i>Scientific Reports</i> , 2021 , 11, 3998	4.9	0
36	One-dimensional velocity distribution in seepage channel using Tsallis and Shannon entropy. <i>Stochastic Environmental Research and Risk Assessment</i> ,1	3.5	0
35	Prediction of Submerged Vegetated Flow in a Channel Using GMDH-Type Neural Network Approach. <i>Water Science and Technology Library</i> , 2022 , 191-205	0.3	0
34	Standalone and ensemble-based machine learning techniques for particle Froude number prediction in a sewer system. <i>Neural Computing and Applications</i> ,1	4.8	0
33	Sustainable transition towards biomass-based cement industry: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 163, 112503	16.2	0
32	Scale Invariance of Power Spectrum in Sediment Transport Mechanics. <i>The National Academy of Sciences, India</i> , 2018 , 41, 81-83	0.6	

31	Process Modelling of Gas-Liquid Stirred Tank with Neural Networks. <i>Water Science and Technology Library</i> , 2018 , 501-511	0.3
30	Statistical description of morphological characteristics of bedforms in seepage affected alluvial channels. <i>Canadian Journal of Civil Engineering</i> , 2018 , 45, 87-98	1.3
29	Does Downward Seepage Initiate Lateral Channel Shift?. <i>The National Academy of Sciences, India</i> , 2015 , 38, 479-482	0.6
28	ENERGY PLANNING FOR SUSTAINABLE DEVELOPMENT IN INDIA 2012 , 641-666	
27	Closure to Resistance Characteristics of Surface Aerators by Achanta Ramakrishna Rao and Bimlesh Kumar. <i>Journal of Hydraulic Engineering</i> , 2010 , 136, 193-193	1.8
26	Discussion of Resistance Characteristics of Surface Aerators by Achanta Ramakrishna Rao and Bimlesh Kumar. <i>Journal of Hydraulic Engineering</i> , 2010 , 136, 193-193	1.8
25	Vortex in baffled surface aerator. <i>International Journal of Environmental Engineering</i> , 2012 , 4, 24	0.2
24	A Study on the Response of Multi-Storey Buildings to Near-Fault Ground Motions. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2009 , 19, 240-248	1
23	Determination of stability numbers for soil slopes following non-associated non-coaxial flow rule. <i>International Journal of Geotechnical Engineering</i> , 2010 , 4, 89-97	1.5
22	Turbulence anisotropy around bridge piers in seepage affected sand bed channel. <i>Journal of Turbulence</i> , 1-16	2.1
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20	METHODOLOGY TO CONSERVE ENERGY IN SURFACE AERATORS. <i>Environmental Engineering and Management Journal</i> , 2008 , 7, 137-141	0.6
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