

# Bimlesh Kumar

## List of Publications by Year in descending order

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196  
papers

2,060  
citations

361296

20  
h-index

377752

34  
g-index

206  
all docs

206  
docs citations

206  
times ranked

1447  
citing authors

#	ARTICLE	IF	CITATIONS
1	Indicator-based urban sustainabilityâ€”A review. Energy for Sustainable Development, 2013, 17, 555-563.	2.0	219
2	Decentralised renewable energy: Scope, relevance and applications in the Indian context. Energy for Sustainable Development, 2009, 13, 4-10.	2.0	132
3	Turbulent flow structures and geomorphic characteristics of a mining affected alluvial channel. Earth Surface Processes and Landforms, 2018, 43, 1811-1824.	1.2	54
4	Turbulent flow structures in alluvial channels with curved crossâ€”sections under conditions of downward seepage. Earth Surface Processes and Landforms, 2016, 41, 1073-1087.	1.2	48
5	Geometry of sand-bed channels with seepage. Geomorphology, 2011, 128, 171-177.	1.1	45
6	Information entropy as a tool in surface water quality assessment. Environmental Earth Sciences, 2019, 78, 1.	1.3	41
7	Bottom-up approach for decentralised energy planning: Case study of Tumkur district in India. Energy Policy, 2010, 38, 862-874.	4.2	39
8	Teager energy based blood cell segmentation. , 0, , .		38
9	Sustainable transition towards biomass-based cement industry: A review. Renewable and Sustainable Energy Reviews, 2022, 163, 112503.	8.2	38
10	Structure of turbulence over non uniform sand bed channel with downward seepage. European Journal of Mechanics, B/Fluids, 2017, 65, 530-551.	1.2	36
11	Mechanical properties of open graded friction course mixtures with different contents of electric arc furnace steel slag as an alternative aggregate from steel industries. Road Materials and Pavement Design, 2021, 22, 268-292.	2.0	34
12	Finite element and ANN-based prediction of bearing capacity of square footing resting on the crest of soil slope. International Journal of Geotechnical Engineering, 2020, 14, 176-187.	1.1	28
13	Mass transfer and power characteristics of stirred tank with Rushton and curved blade impeller. Engineering Science and Technology, an International Journal, 2017, 20, 730-737.	2.0	27
14	Flow characteristics in a partly vegetated channel with emergent vegetation and seepage. Ecohydrology and Hydrobiology, 2019, 19, 93-108.	1.0	27
15	Development of irrigation water quality index incorporating information entropy. Environment, Development and Sustainability, 2020, 22, 3119-3132.	2.7	27
16	Clogging evaluation of open graded friction course mixes with EAF steel slag and modified binders. Construction and Building Materials, 2018, 159, 220-233.	3.2	26
17	Turbulent characteristics and evolution of sheet flow in an alluvial channel with downward seepage. Geomorphology, 2015, 248, 161-171.	1.1	25
18	Flow characteristics in an alluvial channel covered partially with submerged vegetation. Ecological Engineering, 2016, 94, 478-492.	1.6	25

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19	Impact of sand mining on alluvial channel flow characteristics. <i>Ecological Engineering</i> , 2019, 135, 36-44.	1.6	25
20	Channel Hydrodynamics of Submerged, Flexible Vegetation with Seepage. <i>Journal of Hydraulic Engineering</i> , 2016, 142, .	0.7	24
21	The use of circular surface aerators in wastewater treatment tanks. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 101-107.	1.6	21
22	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.	1.3	21
23	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.	3.9	21
24	Neural network prediction of bed material load transport. <i>Hydrological Sciences Journal</i> , 2012, 57, 956-966.	1.2	20
25	Turbulent flow statistics of vegetative channel with seepage. <i>Journal of Applied Geophysics</i> , 2015, 123, 267-276.	0.9	20
26	Experimentation on submerged flow over flexible vegetation patches with downward seepage. <i>Ecological Engineering</i> , 2016, 91, 158-168.	1.6	20
27	Evaluation of satellite-altimetry-derived river stage variation for the braided Brahmaputra River. <i>International Journal of Remote Sensing</i> , 2014, 35, 7815-7827.	1.3	19
28	Regression model for sediment transport problems using multi-gene symbolic genetic programming. <i>Computers and Electronics in Agriculture</i> , 2014, 103, 82-90.	3.7	19
29	Multiscale characterization of migrating sand wave in mining induced alluvial channel. <i>Ecological Engineering</i> , 2017, 102, 199-206.	1.6	18
30	Dynamic characterization of the migration of a mining pit in an alluvial channel. <i>International Journal of Sediment Research</i> , 2019, 34, 155-165.	1.8	17
31	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.	1.5	17
32	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.	2.7	17
33	The local scour around bridge piers—a review of remedial techniques. <i>ISH Journal of Hydraulic Engineering</i> , 2022, 28, 527-540.	1.1	17
34	Title is missing!. <i>ScienceAsia</i> , 2009, 35, 183.	0.2	17
35	Modified singular spectrum analysis for despiking acoustic Doppler velocimeter (ADV) data. Measurement: <i>Journal of the International Measurement Confederation</i> , 2018, 117, 339-346.	2.5	16
36	Turbulence in a compound channel with the combination of submerged and emergent vegetation. <i>Physics of Fluids</i> , 2022, 34, .	1.6	16

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37	Scale-up criteria of square tank surface aerator. <i>Biotechnology and Bioengineering</i> , 2007, 96, 464-470.	1.7	15
38	Bioenergy and food security: Indian context. <i>Energy for Sustainable Development</i> , 2009, 13, 265-270.	2.0	15
39	Mesoporous Silica from Rice Husk Ash. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2010, 5, 63-67.	0.5	15
40	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.	0.7	15
41	Bedload transport and temporal variation of non-uniform sediment in a seepage-affected alluvial channel. <i>Hydrological Sciences Journal</i> , 2019, 64, 1001-1012.	1.2	15
42	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.	3.5	15
43	Predictive Capability of Bedload Equations Using Flume Data. <i>Journal of Hydrology and Hydromechanics</i> , 2012, 60, 45-56.	0.7	14
44	Optimization of waste combinations during in-vessel composting of agricultural waste. <i>Waste Management and Research</i> , 2017, 35, 101-109.	2.2	14
45	Turbulence Characteristics of Vegetated Channel With Downward Seepage. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016, 138, .	0.8	13
46	Boundary layer development over non-uniform sand rough bed channel. <i>ISH Journal of Hydraulic Engineering</i> , 2019, 25, 162-169.	1.1	13
47	Oxygen transfer and energy dissipation rate in surface aerator. <i>Bioresource Technology</i> , 2009, 100, 2886-2888.	4.8	12
48	Decentralized energy planning through a case study of a typical village in India. <i>Journal of Renewable and Sustainable Energy</i> , 2009, 1, 043103.	0.8	12
49	Prediction of hydraulic conductivity for soil-bentonite mixture. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1625-1634.	1.8	12
50	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.	0.7	12
51	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.	1.2	12
52	Investigation of the Effect of Vegetation on Flow Structures and Turbulence Anisotropy around Semi-Elliptical Abutment. <i>Water (Switzerland)</i> , 2021, 13, 3108.	1.2	12
53	Neural Modeling of Square Surface Aerators. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 411-418.	0.7	11
54	Metamodeling approach to predict friction factor of alluvial channel. <i>Computers and Electronics in Agriculture</i> , 2010, 70, 144-150.	3.7	11

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55	Comparison of flow patterns of dual rushton and CD-6 impellers. Theoretical Foundations of Chemical Engineering, 2013, 47, 344-355.	0.2	11
56	Probability distribution of turbulence in curvilinear cross section mobile bed channel. Water Science and Technology, 2016, 73, 1472-1482.	1.2	11
57	Evaluation of Frictional Pavement Resistance as a Function of Aggregate Physical Properties. Journal of Transportation Engineering Part B: Pavements, 2017, 143, 04017003.	0.8	11
58	Randomness representation of Turbulence in an alluvial channel affected by downward seepage. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 74-85.	1.2	11
59	Energy Dissipation and Shear Rate with Geometry of Baffled Surface Aerator. Chemical Engineering Research Bulletin, 2010, 14, .	0.2	10
60	Drag and Turbulent Characteristics of Mobile Bed Channel With Mixed Vegetation Densities Under Downward Seepage. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	0.8	10
61	High-Order Velocity Moments of Turbulent Boundary Layers in Seepage Affected Alluvial Channel. Journal of Fluids Engineering, Transactions of the ASME, 2018, 140, .	0.8	10
62	Prediction of scour depth and dune morphology around circular bridge piers in seepage affected alluvial channels. Environmental Fluid Mechanics, 2018, 18, 923-945.	0.7	10
63	Experimental study on near-bed flow turbulence of sinuous channel with downward seepage. Water Management, 2021, 174, 173-186.	0.4	10
64	Resistance Characteristics of Surface Aerators. Journal of Hydraulic Engineering, 2009, 135, 38-44.	0.7	9
65	Review and assessment of the theories of stable alluvial channel design. Water Resources, 2012, 39, 481-487.	0.3	9
66	Advent of sheet flow in suction affected alluvial channels. Environmental Fluid Mechanics, 2016, 16, 25-44.	0.7	9
67	Probability distribution functions of turbulence in seepage-affected alluvial channel. Fluid Dynamics Research, 2017, 49, 015508.	0.6	9
68	Effect of downward seepage on the shape of an alluvial channel. Water Management, 2017, 170, 3-14.	0.4	9
69	Double averaged turbulence characteristics of alluvial channel with downward seepage. Canadian Journal of Civil Engineering, 2018, 45, 135-151.	0.7	9
70	Comparison of Scour and Flow Characteristics Around Circular and Oblong Bridge Piers in Seepage Affected Alluvial Channels. Journal of Marine Science and Application, 2018, 17, 254-264.	0.7	9
71	Estimating Particle Froude Number of Sewer Pipes by Boosting Machine-Learning Models. Journal of Pipeline Systems Engineering and Practice, 2022, 13, .	0.9	9
72	Metamodel-based design of alluvial channels at incipient motion subjected to seepage. Hydrological Sciences Journal, 2010, 55, 459-466.	1.2	8

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73	Analysis of gradually and spatially varied flow in sand-bed channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 274-279.	0.7	8
74	Flow resistance in alluvial channel. Water Resources, 2011, 38, 745-754.	0.3	8
75	Scale up criteria for dual stirred gas-liquid unbaffled tank with concave blade impeller. Korean Journal of Chemical Engineering, 2014, 31, 1339-1348.	1.2	8
76	Large-eddy simulation of turbulent flow in stirred tank with a curved blade impeller. Journal of Engineering Thermophysics, 2015, 24, 152-168.	0.6	8
77	Flow and bedform dynamics in an alluvial channel with downward seepage. Catena, 2017, 158, 219-234.	2.2	8
78	Sheet flow hydrodynamics over a non-uniform sand bed channel. International Journal of Sediment Research, 2018, 33, 313-326.	1.8	8
79	Analytical solution of the one-dimensional contaminant transport equation in groundwater with time-varying boundary conditions. ISH Journal of Hydraulic Engineering, 0, , 1-6.	1.1	8
80	Mining pit migration of an alluvial channel: experimental and numerical investigations. ISH Journal of Hydraulic Engineering, 2020, 26, 448-456.	1.1	8
81	Prediction of Hydraulic Conductivity of Soil Bentonite Mixture Using Hybrid-ANN Approach. Journal of Environmental Informatics, 0, , .	6.0	8
82	Experimental Study on the Near-Bed Flow Characteristics of Alluvial Channel with Seepage. Applied Sciences (Switzerland), 2021, 11, 9619.	1.3	8
83	Design considerations and economics of different shaped surface aeration tanks. Korean Journal of Chemical Engineering, 2008, 25, 1338-1343.	1.2	7
84	Scaling Up of the Geometrically Similar Unbaffled Circular Tank Surface Aerators. Chemical Engineering and Technology, 2008, 31, 287-293.	0.9	7
85	Decentralized sustainable energy planning of Tumkur district, India. Environmental Progress and Sustainable Energy, 2011, 30, 248-258.	1.3	7
86	Turbulent characteristics of sinuous river bend. ISH Journal of Hydraulic Engineering, 2019, , 1-8.	1.1	7
87	Moisture Susceptibility of Open-Graded Friction Course Mixes with EAF Steel Slag and Modified Binders. Advances in Civil Engineering Materials, 2019, 8, 248-266.	0.2	7
88	Flow prediction in vegetative channel using hybrid artificial neural network approach. Journal of Hydroinformatics, 2014, 16, 839-849.	1.1	6
89	Turbulent parameters and corresponding sediment transport in curved cross-section channel. ISH Journal of Hydraulic Engineering, 2015, 21, 333-342.	1.1	6
90	Multi-scale statistical characterization of migrating pier scour depth in non-uniform sand bed channel. International Journal of River Basin Management, 2017, 15, 265-276.	1.5	6

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91	Study of flow turbulence around a circular bridge pier in sand-mined stream channel. <i>Water Management</i> , 2020, 173, 217-237.	0.4	6
92	Alluvial channel hydrodynamics around tandem piers with downward seepage. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1445-1461.	1.2	6
93	Streambed instabilities around a bridge pier in a dredged channel. <i>River Research and Applications</i> , 2020, 36, 1360-1365.	0.7	6
94	Anisotropy Properties of Turbulence in Flow Over Seepage Bed. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2022, 144, .	0.8	6
95	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, 616-632.	0.2	6
96	Standalone and ensemble-based machine learning techniques for particle Froude number prediction in a sewer system. <i>Neural Computing and Applications</i> , 2022, 34, 15481-15497.	3.2	6
97	Flow behaviour in a multi-layered vegetated floodplain region of a compound channel. <i>Ecohydrology</i> , 2022, 15, .	1.1	6
98	Relative Performance of Different Shaped Surface Aeration Tanks. <i>Water Quality Research Journal of Canada</i> , 2007, 42, 26-40.	1.2	5
99	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.	1.4	5
100	Transition of turbulent pipe flow. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 529-533.	0.7	5
101	Oxygen transfer in circular surface aeration tanks. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 747-753.	1.2	5
102	Power characteristics of surface aerators. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 805-813.	1.6	5
103	Turbulent characteristics of densely flexible submerged vegetated channel. <i>ISH Journal of Hydraulic Engineering</i> , 2016, 22, 220-226.	1.1	5
104	Surface water quality assessment of Amingaon (Assam, India) using multivariate statistical techniques. <i>Water Practice and Technology</i> , 2017, 12, 997-1008.	1.0	5
105	On the Morphodynamic Alterations around Bridge Piers under the Influence of Instream Mining. <i>Water (Switzerland)</i> , 2019, 11, 1676.	1.2	5
106	A numerical study on hydraulic resistance in flow with vegetation patch. <i>ISH Journal of Hydraulic Engineering</i> , 2020, , 1-8.	1.1	5
107	One-dimensional velocity distribution in seepage channel using Tsallis and Shannon entropy. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3255-3264.	1.9	5
108	Velocity Distribution in Seepage-Affected Alluvial Channels Using Renyi Entropy. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	5

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109	Incipient motion design of sand bed channels affected by bed suction. Computers and Electronics in Agriculture, 2010, 74, 321-328.	3.7	4
110	Continuous-Flow Surface Aeration Systems. Chemical Engineering and Technology, 2010, 33, 305-314.	0.9	4
111	Radial Basis Function Network Based Design of Incipient Motion Condition of Alluvial Channels with Seepage. Journal of Hydrology and Hydromechanics, 2010, 58, 102-113.	0.7	4
112	Mass transfer and shear rate in baffled surface aerator. Korean Journal of Chemical Engineering, 2011, 28, 502-506.	1.2	4
113	CFD simulation of flow patterns in unbaffled stirred tank with CD-6 impeller. Chemical Industry and Chemical Engineering Quarterly, 2012, 18, 535-546.	0.4	4
114	Detached Eddy Simulation of Turbulent Flow in Stirred Tank Reactor. Procedia Engineering, 2015, 127, 87-94.	1.2	4
115	Design of a Gas-Liquid Unbaffled Stirred Tank with a Concave Blade Impeller. Journal of Engineering Physics and Thermophysics, 2015, 88, 76-87.	0.2	4
116	Comparison of bed shear stress in plane and curvilinear bed channel using multiple criteria. Water Resources, 2016, 43, 79-85.	0.3	4
117	Effect of seepage on flow and bedforms dynamics. Earth Surface Processes and Landforms, 2017, 42, 1807-1819.	1.2	4
118	Randomness in flow turbulence around a bridge pier in a sand mined channel. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122426.	1.2	4
119	Downward seepage effects on dynamics of scour depth and migrating dune-like bedforms at tandem piers. Canadian Journal of Civil Engineering, 2020, 47, 13-24.	0.7	4
120	Flow resistance in seepage-affected alluvial channel. ISH Journal of Hydraulic Engineering, 2020, 26, 127-137.	1.1	4
121	Comparison of flow and morphological characteristics in uniform and non-uniform sand bed channel. Canadian Journal of Civil Engineering, 2020, 47, 678-690.	0.7	4
122	Deciphering Morphological Changes in a Sinuous River System by Higher-Order Velocity Moments. Water (Switzerland), 2020, 12, 772.	1.2	4
123	Barriers to Adoption of Commercial Green Buildings in India: A Review. Journal of Infrastructure Development, 2021, 13, 107-128.	0.2	4
124	Simulating Surface Aeration Systems at Different Scale of Mixing Time. Chinese Journal of Chemical Engineering, 2009, 17, 355-358.	1.7	3
125	What would be the three key preconditions for jumpstarting or scaling up the transfer of environmentally sound technologies for climate change to developing countries?™. Natural Resources Forum, 2009, 33, 334-337.	1.8	3
126	Influence of impeller submergence depth on power consumption in stirred tank. Chemical Engineering Research Bulletin, 2011, 15, .	0.2	3



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127	Data mining approach for friction factor in mobile bed channel. <i>Water Management</i> , 2011, 164, 15-25.	0.4	3
128	Studies on emergent flow over vegetative channel bed with downward seepage. <i>Hydrological Sciences Journal</i> , 2016, , 1-13.	1.2	3
129	Comparison of flow turbulence over a sand bed and gravel bed channel. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 4581-4592.	1.0	3
130	VORTEX DEPTH ANALYSIS IN AN UNBAFFLED STIRRED TANK WITH CONCAVE BLADE IMPELLER. <i>Chemistry and Chemical Technology</i> , 2017, 11, 301-307.	0.2	3
131	Square Surface Aerator: Process Modeling and Parameter Optimization. <i>Journal of Environmental Informatics</i> , 2007, 9, 108-117.	6.0	3
132	An integrated networking approach for a sustainable textile sector in Solapur, India. <i>Urbani Izziv</i> , 2012, 23, 140-151.	0.2	3
133	Effect of sand mining on the flow hydrodynamics around an oblong bridge pier. <i>Engineering Research Express</i> , 2021, 3, 045028.	0.8	3
134	Quantification of turbulent flow anisotropy in an alluvial channel mining pit. <i>Marine Georesources and Geotechnology</i> , 2023, 41, 211-220.	1.2	3
135	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.	1.1	2
136	Energy losses at pipe trifurcations. <i>Urban Water Journal</i> , 2009, 6, 333-340.	1.0	2
137	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.	1.8	2
138	Shape effect on optimal geometric conditions in surface aeration systems. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 159-162.	1.2	2
139	Performance comparison of batch and continuous flow surface aeration systems. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1796-1800.	1.2	2
140	Sustainable bioenergy production strategies for rural India. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2010, 15, 571-590.	1.0	2
141	Regime relationships of alluvial canal with seepage. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010, 48, 315-319.	0.7	2
142	Effects of superficial gas velocity on process dynamics in bioreactors. <i>Thermophysics and Aeromechanics</i> , 2014, 21, 365-382.	0.1	2
143	Analysing turbulence characteristics of flow over submerged flexible vegetated channel. <i>ISH Journal of Hydraulic Engineering</i> , 2015, 21, 265-275.	1.1	2
144	Prediction of Coefficient of Consolidation Using Multi-Gene Genetic Programming. <i>INAE Letters</i> , 2019, 4, 173-179.	1.0	2

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145	Conditional Statistics of Reynolds Stress in Curvilinear Cross Section Incipient Motion Channel. <i>Water Resources</i> , 2019, 46, 367-376.	0.3	2
146	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.	1.9	2
147	Surface water quality and health risk assessment of Kameng river (Assam, India). <i>Water Practice and Technology</i> , 2020, 15, 1190-1201.	1.0	2
148	A novel Python module for statistical analysis of turbulence (P-SAT) in geophysical flows. <i>Scientific Reports</i> , 2021, 11, 3998.	1.6	2
149	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.	1.0	2
150	Analytical Formulation of the Correction Factor Applied in Einstein and Barbarossa Equation (1952). <i>Journal of Hydrology and Hydromechanics</i> , 2009, 57, .	0.7	2
151	Predicting the abrasion loss of open-graded friction course mixes with EAF steel slag aggregates using machine learning algorithms. <i>Construction and Building Materials</i> , 2022, 321, 126408.	3.2	2
152	Turbulent Flow Structures in Developing and Fully-Developed Flows under the Impact of Downward Seepage. <i>Water (Switzerland)</i> , 2022, 14, 500.	1.2	2
153	Aspect ratio effect on oxygen transfer process in rectangular tank surface aerator. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007, 2, 592-598.	0.8	1
154	Variability of Energy Dissipation and Shear Rate with Geometry in Unbaffled Surface Aerator. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2009, 4, .	0.5	1
155	Oxygen transfer and shear rate in surface aerator. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 947-951.	1.2	1
156	Optimal Geometric Parameters in Baffled Surface Aeration Systems. <i>Water Practice and Technology</i> , 2009, 4, .	1.0	1
157	Impeller Submergence Depth for Stirred Tanks. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2011, 6, .	0.5	1
158	Low-Cost Bioenergy Options for Rural India. <i>Journal of Management in Engineering - ASCE</i> , 2012, 28, 70-80.	2.6	1
159	CFD SIMULATION OF FLOW PATTERNS IN DUAL IMPELLER STIRRED TANK. <i>International Journal of Modelling and Simulation</i> , 2013, 33, .	2.3	1
160	Particle Swarm Optimization Neural Network for Flow Prediction in Vegetative Channel. <i>Journal of Intelligent Systems</i> , 2013, 22, 487-501.	1.2	1
161	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.	0.2	1
162	Hydrodynamics of submerged vegetated alluvial channel with downward seepage. <i>Canadian Journal of Civil Engineering</i> , 2017, 44, 174-181.	0.7	1

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163	Turbulence in continuous flow surface aeration systems. <i>Water Science and Technology</i> , 2017, 75, 1148-1157.	1.2	1
164	Design of Self-Aerating Unbaffled Stirred Tank with Concave Blade Impeller. <i>Journal of Engineering Thermophysics</i> , 2018, 27, 254-269.	0.6	1
165	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.	1.1	1
166	High-order moments of velocity fluctuations around a cylinder in a dredged channel. <i>Water Management</i> , 0, , 1-9.	0.4	1
167	Source apportionment for spatial variation of surface water quality using chemometric techniques. <i>Environmental Forensics</i> , 0, , 1-11.	1.3	1
168	Turbulence anisotropy around bridge piers in seepage affected sand bed channel. <i>Journal of Turbulence</i> , 0, , 1-16.	0.5	1
169	Hydrodynamics and turbulence anisotropy for complex flow in a sinuous channel. <i>Acta Geophysica</i> , 0, , .	1.0	1
170	Scale Up Parameter for Surface Aeration Systems. <i>International Journal of Chemical Reactor Engineering</i> , 2008, 6, .	0.6	0
171	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.	0.5	0
172	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.	1.1	0
173	Closure to "Resistance Characteristics of Surface Aerators" by Achanta Ramakrishna Rao and Bimlesh Kumar. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 193-193.	0.7	0
174	Discussion of "Resistance Characteristics of Surface Aerators" by Achanta Ramakrishna Rao and Bimlesh Kumar. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 193-193.	0.7	0
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