Mritunjay Kumar Singh

List of Publications by Year
in descending order

31 papers	352 citations	759233 12 h-index	839539 18 g-index
31 all docs	31 docs citations	31 times ranked	179 citing authors

#	Article	IF	Citations
1	Groundwater contamination in mega cities with finite sources. Journal of Earth System Science, 2020, 129, 1.	1.3	55
2	Analytical Solution for Conservative Solute Transport in One-Dimensional Homogeneous Porous Formations with Time-Dependent Velocity. Journal of Engineering Mechanics - ASCE, 2009, 135, 1015-1021.	2.9	30
3	Scale dependent solute dispersion with linear isotherm in heterogeneous medium. Journal of Hydrology, 2015, 520, 289-299.	5.4	27
4	Longitudinal dispersion with time-dependent source concentration in semi-infinite aquifer. Journal of Earth System Science, 2008, 117, 945-949.	1.3	25
5	Analytical Solution for Two-Dimensional Solute Transport in Finite Aquifer with Time-Dependent Source Concentration. Journal of Engineering Mechanics - ASCE, 2010, 136, 1309-1315.	2.9	24
6	Solution of One-Dimensional Time Fractional Advection Dispersion Equation by Homotopy Analysis Method. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	18
7	Mathematical modeling of groundwater contamination with varying velocity field. Journal of Hydrology and Hydromechanics, 2017, 65, 192-204.	2.0	17
8	Contaminant Concentration Prediction Along Unsteady Groundwater Flow. Simulation Foundations, Methods and Applications, 2014, , 257-275.	0.1	15
9	Solution of one-dimensional space- and time-fractional advectionâ€"dispersion equation by homotopy perturbation method. Acta Geophysica, 2017, 65, 353-361.	2.0	15
10	Modelling of Flow Through Porous Media Over the Complete Flow Regime. Transport in Porous Media, 2019, 129, 1-23.	2.6	15
11	Mathematical modeling for solute transport in aquifer. Journal of Hydroinformatics, 2016, 18, 481-499.	2.4	13
12	A study on the Wilkins and Forchheimer equations used in coarse granular media flow. Acta Geophysica, 2018, 66, 81-91.	2.0	12
13	Analysis of 1-D pollutant transport in semi-infinite groundwater reservoir. Environmental Earth Sciences, 2020, 79, 1.	2.7	12
14	Study of forwardâ€"backward solute dispersion profiles in a semi-infinite groundwater system. Hydrological Sciences Journal, 2020, 65, 1416-1429.	2.6	11
15	Fractional convection-dispersion equation with conformable derivative approach. Chaos, Solitons and Fractals, 2020, 141, 110426.	5.1	10
16	Study of 2D contaminant transport with depth varying input source in a groundwater reservoir. Water Science and Technology: Water Supply, 2021, 21, 1464-1480.	2.1	10
17	Study of multispecies convection-dispersion transport equation with variable parameters. Journal of Hydrology, 2020, 591, 125562.	5.4	9
18	Solute Transport in a Semi-Infinite Geological Formation with Variable Porosity. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	6

#	Article	IF	Citations
19	Contaminant dispersion with axial input sources in soil media under non-linear sorption. Environmental Technology (United Kingdom), 2023, 44, 1903-1915.	2.2	6
20	Anomalous transport for multispecies reactive system with first order decay: time-fractional model. Physica Scripta, 2022, 97, 074001.	2.5	4
21	Solute transport modelling with the variable temporally dependent boundary. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	3
22	Advances in analytical solutions for time-dependent solute transport model. Journal of Earth System Science, 2022, 131, .	1.3	3
23	Solute transport in a semi-infinite homogeneous aquifer with a fixed point source concentration. Environmental Fluid Mechanics, 2018, 18, 1121-1142.	1.6	2
24	Mathematical Modeling of One-Dimensional Advection Dispersion Equation in Groundwater Contamination Using Different Velocity and Dispersion for Different Zones. Lecture Notes in Mechanical Engineering, 2018, , 585-592.	0.4	2
25	Response to â€œcomment on the paper scale dependent solute dispersion with linear isotherm in heterogeneous medium (Journal of Hydrology 520 (2015) 289â€"299)â€. Journal of Hydrology, 2020, 581, 122920.	5.4	2
26	Mathematical modelling to establish the influence of pesticides on groundwater contamination. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	2
27	Off-Diagonal Dispersion Effect with Pollutant Migration in Groundwater System. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	2
28	Solute dispersion along and against the groundwater flow in two-dimensional finite aquifer. AIP Conference Proceedings, 2019, , .	0.4	1
29	Solute transport model equation for mobile phase in semi-infinite porous media. Groundwater for Sustainable Development, 2020, 11, 100411.	4.6	1
30	Analytical modeling of solute transport in homogeneous porous media with Cauchy type boundary condition. , 2012, , .		0
31	Fractal Dispersion Pollutant Transport Modeling with Spatially Varying Sorption and Degradation Effect. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	0