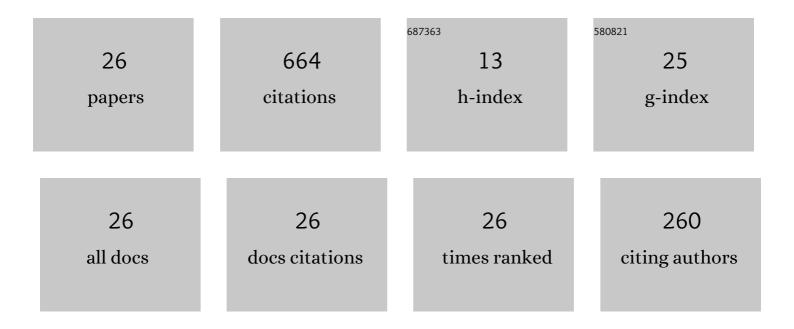


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mountain Railway Alignment Optimization with Bidirectional Distance Transform and Genetic Algorithm. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 691-709.	9.8	88
2	Methodology for optimizing constrained 3-dimensional railway alignments in mountainous terrain. Transportation Research Part C: Emerging Technologies, 2016, 68, 549-565.	7.6	68
3	Elastic-plastic seismic response of CRTS II slab ballastless track system on high-speed railway bridges. Science China Technological Sciences, 2017, 60, 865-871.	4.0	54
4	A Method for Automatically Recreating the Horizontal Alignment Geometry of Existing Railways. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 71-94.	9.8	53
5	A threeâ€dimensional distance transform for optimizing constrained mountain railway alignments. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 972-990.	9.8	51
6	Mountain railway alignment optimization using stepwise & hybrid particle swarm optimization incorporating genetic operators. Applied Soft Computing Journal, 2019, 78, 41-57.	7.2	51
7	Concurrent optimization of mountain railway alignment and station locations using a distance transform algorithm. Computers and Industrial Engineering, 2019, 127, 1297-1314.	6.3	42
8	Mountain railway alignment optimization considering geological impacts: A costâ€hazard biâ€objective model. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1365-1386.	9.8	32
9	Biâ€objective mountain railway alignment optimization incorporating seismic risk assessment. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 143-163.	9.8	27
10	Cracking Performance of an Operational Tunnel Lining Due to Local Construction Defects. International Journal of Geomechanics, 2019, 19, .	2.7	26
11	Parallel Three-Dimensional Distance Transform for Railway Alignment Optimization Using OpenMP. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	26
12	Simultaneous optimization of 3D alignments and station locations for dedicated highâ€speed railways. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 405-426.	9.8	24
13	Railway Alignment Optimization in Mountainous Regions Considering Spatial Geological Hazards: A Sustainable Safety Perspective. Sustainability, 2021, 13, 1661.	3.2	23
14	Railway Alignment Optimization Considering Lifecycle Costs. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 22-40.	3.8	13
15	Optimization of grade-separated road and railway crossings based on a distance transform algorithm. Engineering Optimization, 2022, 54, 232-251.	2.6	13
16	A Global Iterations Method for Recreating Railway Vertical Alignment Considering Multiple Constraints. IEEE Access, 2019, 7, 121199-121211.	4.2	12
17	Robust Optimization Method for Mountain Railway Alignments Considering Preference Uncertainty for Costs and Seismic Risks. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8, .	1.7	10
18	Configuration Analysis of Two-Dimensional Resection Networks. Journal of Surveying Engineering, - ASCE, 2016, 142, .	1.7	8

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#	Article	IF	CITATIONS
19	Maximum Gradient Decision-Making for Railways Based on Convolutional Neural Network. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	1.4	8
20	Concurrent Optimization of Mountain Railway Alignment and Station Locations With a Three-Dimensional Distance Transform Algorithm Incorporating a Perceptual Search Strategy. IEEE Access, 2021, 9, 34736-34754.	4.2	8
21	Mountain railway alignment optimization integrating layouts of largeâ€scale auxiliary construction projects. Computer-Aided Civil and Infrastructure Engineering, 2023, 38, 433-453.	9.8	8
22	Railway Alignment Optimization Under Uncertainty With a Minimax Robust Method. IEEE Intelligent Transportation Systems Magazine, 2023, 15, 333-346.	3.8	7
23	Recreating Existing Railway Horizontal Alignments Automatically Using Overall Swing Iteration. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	5
24	Modelling and optimization of constrained alignments for existing railway reconstruction. International Journal of Rail Transportation, 2023, 11, 428-447.	2.7	4
25	A 3D digital modelling method for railway station subgrade based on generalized hexahedron. International Journal of Rail Transportation, 2021, 9, 79-99.	2.7	3
26	Response to discussion on "Simultaneous Optimization of 3â€Ð Alignments and Station Locations for Dedicated High‧peed Railways,― <i>Computerâ€Aided Civil and Infrastructure Engineering</i> , 37:4, March 2022. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 534-536.	9.8	0