# Hieu Nguyen

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 17<br>papers | 285<br>citations | 1162367<br>8<br>h-index | 940134<br>16<br>g-index |
| 19<br>all docs | 19<br>docs citations | 19<br>times ranked | 301<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Effectiveness assessment of Keras based deep learning with different robust optimization algorithms for shallow landslide susceptibility mapping at tropical area. Catena, 2020, 188, 104458. | 2.2 | 96 |
| 2 | Predicting ultimate bond strength of corroded reinforcement and surrounding concrete using a metaheuristic optimized least squares support vector regression model. Neural Computing and Applications, 2020, 32, 7289-7309. | 3.2 | 38 |
| 3 | Spatial prediction of shallow landslide using Bat algorithm optimized machine learning approach: A case study in Lang Son Province, Vietnam. Advanced Engineering Informatics, 2019, 42, 100978. | 4.0 | 37 |
| 4 | Predicting Rainfall-Induced Soil Erosion Based on a Hybridization of Adaptive Differential Evolution and Support Vector Machine Classification. Mathematical Problems in Engineering, 2021, 2021, 1-20. | 0.6 | 24 |
| 5 | Computer vision-based classification of concrete spall severity using metaheuristic-optimized Extreme Gradient Boosting Machine and Deep Convolutional Neural Network. Automation in Construction, 2022, 140, 104371. | 4.8 | 18 |
| 6 | A success history-based adaptive differential evolution optimized support vector regression for estimating plastic viscosity of fresh concrete. Engineering With Computers, 2021, 37, 1485-1498. | 3.5 | 15 |
| 7 | Prediction of long-term deflections of reinforced-concrete members using a novel swarm optimized extreme gradient boosting machine. Engineering With Computers, 2022, 38, 1255-1267. | 3.5 | 15 |
| 8 | hp Adaptive finite elements based on derivative recovery and superconvergence. Computing and Visualization in Science, 2011, 14, 287-299. | 1.2 | 9 |
| 9 | Optimized Schwarz and 2-Lagrange Multiplier Methods for Multiscale Elliptic PDEs. SIAM Journal of Scientific Computing, 2015, 37, A2896-A2923. | 1.3 | 8 |
| 10 | Balancing Domain Decomposition by Constraints and Perturbation. SIAM Journal on Numerical Analysis, 2016, 54, 3436-3464. | 1.1 | 7 |
| 11 | Physics-Based Balancing Domain Decomposition by Constraints for Multi-Material Problems. Journal of Scientific Computing, 2019, 79, 718-747. | 1.1 | 7 |
| 12 | An optimal Schwarz preconditioner for a class of parallel adaptive finite elements. Journal of Computational and Applied Mathematics, 2017, 321, 90-107. | 1.1 | 3 |
| 13 | Balancing domain decomposition by constraints associated with subobjects. Applied Mathematics Letters, 2019, 87, 93-100. | 1.5 | 2 |
| 14 | Relaxing the Roles of Corners in BDDC by Perturbed Formulation. Lecture Notes in Computational Science and Engineering, 2017, , 397-405. | 0.1 | 2 |
| 15 | On the convergence of an optimal Additive Schwarz method for parallel adaptive finite elements. Journal of Computational and Applied Mathematics, 2019, 355, 193-200. | 1.1 | 1 |
| 16 | Mesh Regularization in Bank-Holst Parallel hp-Adaptive Meshing. Lecture Notes in Computational Science and Engineering, 2013, , 103-110. | 0.1 | 1 |
| 17 | A Comparison of Additive Schwarz Preconditioners for Parallel Adaptive Finite Elements. Lecture Notes in Computational Science and Engineering, 2016, , 345-354. | 0.1 | 0 |