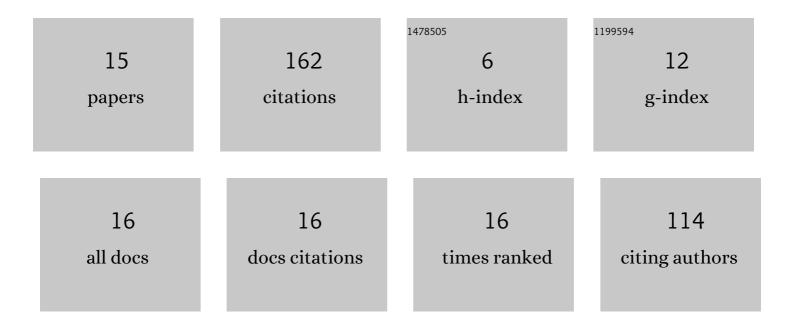
Peter Gamnitzer

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fluid–structure interaction approaches on fixed grids based on two different domain decomposition ideas. International Journal of Computational Fluid Dynamics, 2008, 22, 411-427.	1.2	42
2	Time-dependent subgrid scales in residual-based large eddy simulation of turbulent channel flow. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 819-827.	6.6	40
3	An Extended Damage Plasticity Model for Shotcrete: Formulation and Comparison with Other Shotcrete Models. Materials, 2017, 10, 82.	2.9	24
4	An isogeometric variational multiscale method for large-eddy simulation of coupled multi-ion transport in turbulent flow. Journal of Computational Physics, 2013, 251, 194-208.	3.8	18
5	Calibration of a Multiphase Model Based on a Comprehensive Data Set for a Normal Strength Concrete. Materials, 2019, 12, 791.	2.9	9
6	Modelling of Coupled Shrinkage and Creep in Multiphase Formulations for Hardening Concrete. Materials, 2019, 12, 1745.	2.9	7
7	A smoothed cap model for variably saturated soils and its robust numerical implementation. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 1276-1303.	3.3	6
8	From experimental modeling of shotcrete to numerical simulations of tunneling. Advances in Applied Mechanics, 2021, 54, 205-284.	2.3	6
9	A cap model for soils featuring a smooth transition from partially to fully saturated state. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 169-170.	0.2	4
10	A mixed/hybrid Dirichlet formulation for wall-bounded flow problems including turbulent flow. Computer Methods in Applied Mechanics and Engineering, 2012, 245-246, 22-35.	6.6	3
11	Multiphase modeling of the effect of external loading on the shrinkage of concrete and its consequences for modeling tensile creep. Cement and Concrete Composites, 2022, , 104499.	10.7	2
12	Advances in Variational Multiscale Methods for Turbulent Flows. Lecture Notes in Applied and Computational Mechanics, 2010, , 39-52.	2.2	1
13	Computational aspects of three-phase modelling using a suction dependent cap model. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 415-416.	0.2	0
14	Hygroâ€ŧhermo•hemoâ€mechanical modelling of shotcrete during tunnel advance. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800144.	0.2	0
15	Benefits of porosityâ€dependent moisture retention modelling for predicting autogenous shrinkage of concrete. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900166.	0.2	Ο