

Peter Gamnitzer

List of Publications by Year in descending order

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papers

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1478505

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1199594

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docs citations

16
times ranked

114
citing authors

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