

# Martin Schneider

## List of Publications by Year in descending order

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13  
papers

280  
citations

1163117

8  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	DuMux 3 – an open-source simulator for solving flow and transport problems in porous media with a focus on model coupling. Computers and Mathematics With Applications, 2021, 81, 423-443.	2.7	81
2	Monotone nonlinear finite-volume method for nonisothermal two-phase two-component flow in porous media. International Journal for Numerical Methods in Fluids, 2017, 84, 352-381.	1.6	45
3	Convergence of nonlinear finite volume schemes for heterogeneous anisotropic diffusion on general meshes. Journal of Computational Physics, 2017, 351, 80-107.	3.8	33
4	Monotone nonlinear finite-volume method for challenging grids. Computational Geosciences, 2018, 22, 565-586.	2.4	27
5	Comparison of finite-volume schemes for diffusion problems. Oil and Gas Science and Technology, 2018, 73, 82.	1.4	23
6	Coupling staggered-grid and MPFA finite volume methods for free flow/porous-medium flow problems. Journal of Computational Physics, 2020, 401, 109012.	3.8	19
7	Modeling tissue perfusion in terms of 1d-3d embedded mixed-dimension coupled problems with distributed sources. Journal of Computational Physics, 2020, 410, 109370.	3.8	19
8	Stable Propagation of Saturation Overshoots for Two-Phase Flow in Porous Media. Transport in Porous Media, 2018, 121, 621-641.	2.6	13
9	Nonlinear mixed-dimension model for embedded tubular networks with application to root water uptake. Journal of Computational Physics, 2022, 450, 110823.	3.8	6
10	A new and consistent well model for one-phase flow in anisotropic porous media using a distributed source model. Journal of Computational Physics, 2020, 410, 109369.	3.8	4
11	Streamline method for resolving sharp fronts for complex two-phase flow in porous media. Computational Geosciences, 2018, 22, 1487-1502.	2.4	2
12	Comparison of cell- and vertex-centered finite-volume schemes for flow in fractured porous media. Journal of Computational Physics, 2022, 448, 110715.	3.8	2
13	Convergence of nonlinear finite volume schemes for two-phase porous media flow on general meshes. IMA Journal of Numerical Analysis, 2022, 42, 515-568.	2.9	1