

# Michel Kern

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Jacobian Free Methods for Coupling Transport with Chemistry in Heterogenous Porous Media. Water (Switzerland), 2021, 13, 370.	2.7	3
2	Space-time domain decomposition for two-phase flow between different rock types. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113294.	6.6	4
3	A Posteriori Stopping Criteria for Optimized Schwarz Domain Decomposition Algorithms in Mixed Formulations. Computational Methods in Applied Mathematics, 2018, 18, 495-519.	0.8	7
4	Space-time domain decomposition for advection-diffusion problems in mixed formulations. Mathematics and Computers in Simulation, 2017, 137, 366-389.	4.4	13
5	Space-Time Domain Decomposition for Reduced Fracture Models in Mixed Formulation. SIAM Journal on Numerical Analysis, 2016, 54, 288-316.	2.3	32
6	Space-Time Domain Decomposition Methods for Diffusion Problems in Mixed Formulations. SIAM Journal on Numerical Analysis, 2013, 51, 3532-3559.	2.3	41
7	Reactive transport benchmark of MoMaS. Computational Geosciences, 2010, 14, 385-392.	2.4	36
8	A global method for coupling transport with chemistry in heterogeneous porous media. Computational Geosciences, 2010, 14, 465-481.	2.4	18
9	A global strategy for solving reactive transport equations. Journal of Computational Physics, 2009, 228, 6395-6410.	3.8	36
10	The COUPLEX Test Cases: Nuclear Waste Disposal Simulation. Computational Geosciences, 2004, 8, 83-98.	2.4	28
11	Special Issue on Simulation of Transport around a Nuclear Waste Disposal Site: The COUPLEX Test Cases. Computational Geosciences, 2004, 8, 81-82.	2.4	3
12	Inversion of reflection seismograms by differential semblance analysis: algorithm structure and synthetic examples1. Geophysical Prospecting, 1994, 42, 565-614.	1.9	84
13	Hole geometry and anisotropic effects on tube-wave propagation: A quasi-static study. Geophysics, 1990, 55, 167-175.	2.6	8
14	The electric field in the conductive half space as a model in mining and petroleum prospecting. Mathematical Methods in the Applied Sciences, 1989, 11, 373-401.	2.3	6
15	Numerical solution of Maxwell's equations in a conductive and polarizable medium. Computer Methods in Applied Mechanics and Engineering, 1989, 75, 11-25.	6.6	5