

Jan M Nordbotten

List of Publications by Year in descending order

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151
papers

6,289
citations

76196

40
h-index

76769

74
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167
all docs

167
docs citations

167
times ranked

3304
citing authors

#	ARTICLE	IF	CITATIONS
1	Injection and Storage of CO ₂ in Deep Saline Aquifers: Analytical Solution for CO ₂ Plume Evolution During Injection. <i>Transport in Porous Media</i> , 2005, 58, 339-360.	1.2	483
2	A benchmark study on problems related to CO ₂ storage in geologic formations. <i>Computational Geosciences</i> , 2009, 13, 409-434.	1.2	348
3	Semianalytical Solution for CO ₂ Leakage through an Abandoned Well. <i>Environmental Science & Technology</i> , 2005, 39, 602-611.	4.6	276
4	Similarity solutions for fluid injection into confined aquifers. <i>Journal of Fluid Mechanics</i> , 2006, 561, 307.	1.4	230
5	An efficient multi-point flux approximation method for Discrete Fractureâ€“Matrix simulations. <i>Journal of Computational Physics</i> , 2012, 231, 3784-3800.	1.9	227
6	Status of CO ₂ storage in deep saline aquifers with emphasis on modeling approaches and practical simulations. <i>Water Resources Research</i> , 2015, 51, 6846-6892.	1.7	216
7	Model for CO ₂ Leakage Including Multiple Geological Layers and Multiple Leaky Wells. <i>Environmental Science & Technology</i> , 2009, 43, 743-749.	4.6	188
8	A compact multipoint flux approximation method with improved robustness. <i>Numerical Methods for Partial Differential Equations</i> , 2008, 24, 1329-1360.	2.0	175
9	Analytical solutions for leakage rates through abandoned wells. <i>Water Resources Research</i> , 2004, 40, .	1.7	169
10	Monotonicity of control volume methods. <i>Numerische Mathematik</i> , 2007, 106, 255-288.	0.9	161
11	Practical Modeling Approaches for Geological Storage of Carbon Dioxide. <i>Ground Water</i> , 2009, 47, 627-638.	0.7	156
12	High-accuracy phase-field models for brittle fracture based on a new family of degradation functions. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 111, 458-489.	2.3	140
13	Field-scale application of a semi-analytical model for estimation of CO ₂ and brine leakage along old wells. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 257-269.	2.3	127
14	Vertical equilibrium with sub-scale analytical methods for geological CO ₂ sequestration. <i>Computational Geosciences</i> , 2009, 13, 469-481.	1.2	109
15	Vertically averaged approaches for CO ₂ migration with solubility trapping. <i>Water Resources Research</i> , 2011, 47, .	1.7	106
16	Robust Discretization of Flow in Fractured Porous Media. <i>SIAM Journal on Numerical Analysis</i> , 2018, 56, 2203-2233.	1.1	91
17	Uncertainties in practical simulation of CO ₂ storage. <i>International Journal of Greenhouse Gas Control</i> , 2012, 9, 234-242.	2.3	84
18	Robust fixed stress splitting for Biotâ€™s equations in heterogeneous media. <i>Applied Mathematics Letters</i> , 2017, 68, 101-108.	1.5	83

#	ARTICLE	IF	CITATIONS
19	Numerical Simulation Studies of the Long-term Evolution of a CO ₂ Plume in a Saline Aquifer with a Sloping Caprock. <i>Transport in Porous Media</i> , 2011, 90, 135-151.	1.2	82
20	Impact of the capillary fringe in vertically integrated models for CO ₂ storage. <i>Water Resources Research</i> , 2011, 47, .	1.7	80
21	Discretization on quadrilateral grids with improved monotonicity properties. <i>Journal of Computational Physics</i> , 2005, 203, 744-760.	1.9	68
22	Monotonicity conditions for control volume methods on uniform parallelogram grids in homogeneous media. <i>Computational Geosciences</i> , 2005, 9, 61-72.	1.2	68
23	An ecohydrological approach to predicting regional woody species distribution patterns in dryland ecosystems. <i>Advances in Water Resources</i> , 2010, 33, 215-230.	1.7	68
24	Field-case simulation of CO ₂ -plume migration using vertical-equilibrium models. <i>Energy Procedia</i> , 2011, 4, 3801-3808.	1.8	68
25	Stable Cell-Centered Finite Volume Discretization for Biot Equations. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 942-968.	1.1	68
26	Applicability of vertical-equilibrium and sharp-interface assumptions in CO ₂ sequestration modeling. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 134-147.	2.3	66
27	Unified approach to discretization of flow in fractured porous media. <i>Computational Geosciences</i> , 2019, 23, 225-237.	1.2	62
28	On the relationship between the multiscale finite-volume method and domain decomposition preconditioners. <i>Computational Geosciences</i> , 2008, 12, 367-376.	1.2	59
29	Cell-centered finite volume discretizations for deformable porous media. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 100, 399-418.	1.5	58
30	Application of simplified models to CO ₂ migration and immobilization in large-scale geological systems. <i>International Journal of Greenhouse Gas Control</i> , 2012, 9, 72-84.	2.3	57
31	A robust linearization scheme for finite volume based discretizations for simulation of two-phase flow in porous media. <i>Journal of Computational and Applied Mathematics</i> , 2015, 289, 134-141.	1.1	57
32	Finite volume methods for elasticity with weak symmetry. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 112, 939-962.	1.5	57
33	Effects of a capillary transition zone on the stability of a diffusive boundary layer. <i>IMA Journal of Applied Mathematics</i> , 2012, 77, 771-787.	0.8	56
34	Detecting leakage of brine or CO ₂ through abandoned wells in a geological sequestration operation using pressure monitoring wells. <i>Energy Procedia</i> , 2011, 4, 3620-3627.	1.8	55
35	Domain decomposition strategies for nonlinear flow problems in porous media. <i>Journal of Computational Physics</i> , 2013, 234, 439-451.	1.9	50
36	Risk of Leakage versus Depth of Injection in Geological Storage. <i>Energy Procedia</i> , 2009, 1, 2573-2580.	1.8	49

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37	An improved analytical solution for interface upconing around a well. <i>Water Resources Research</i> , 2006, 42, .	1.7	48
38	Convergence of a Cell-Centered Finite Volume Discretization for Linear Elasticity. <i>SIAM Journal on Numerical Analysis</i> , 2015, 53, 2605-2625.	1.1	44
39	Sufficient criteria are necessary for monotone control volume methods. <i>Applied Mathematics Letters</i> , 2009, 22, 1178-1180.	1.5	43
40	Initial evaluation of advantageous synergies associated with simultaneous brine production and CO ₂ geological sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2012, 8, 90-100.	2.3	43
41	Finite volume discretization for poroelastic media with fractures modeled by contact mechanics. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 644-663.	1.5	43
42	Anderson accelerated fixed-stress splitting schemes for consolidation of unsaturated porous media. <i>Computers and Mathematics With Applications</i> , 2019, 77, 1479-1502.	1.4	42
43	Robust iterative schemes for non-linear poromechanics. <i>Computational Geosciences</i> , 2018, 22, 1021-1038.	1.2	40
44	Determining effective wellbore permeability from a field pressure test: a numerical analysis of detection limits. <i>Environmental Geology</i> , 2008, 54, 1207-1215.	1.2	39
45	Evaluation of the spread of acid-gas plumes injected in deep saline aquifers in western Canada as an analogue for CO ₂ injection into continental sedimentary basins. , 2005, , 479-487.		38
46	Interpretation of macroscale variables in Darcy's law. <i>Water Resources Research</i> , 2007, 43, .	1.7	37
47	A robust, mass conservative scheme for two-phase flow in porous media including HÃ¶lder continuous nonlinearities. <i>IMA Journal of Numerical Analysis</i> , 2018, 38, 884-920.	1.5	37
48	A methodology to estimate maximum probable leakage along old wells in a geological sequestration operation. <i>International Journal of Greenhouse Gas Control</i> , 2012, 7, 39-47.	2.3	36
49	On the definition of macroscale pressure for multiphase flow in porous media. <i>Water Resources Research</i> , 2008, 44, .	1.7	35
50	Impact of top-surface morphology on CO ₂ storage capacity. <i>International Journal of Greenhouse Gas Control</i> , 2012, 11, 221-235.	2.3	34
51	A New Finite-Volume Approach to Efficient Discretization on Challenging Grids. <i>SPE Journal</i> , 2010, 15, 658-669.	1.7	32
52	Active and integrated management of water resources throughout CO ₂ capture and sequestration operations. <i>Energy Procedia</i> , 2011, 4, 4221-4229.	1.8	31
53	On the optimization of the fixed-stress splitting for Biot's equations. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 120, 179-194.	1.5	31
54	Impact of capillary hysteresis and trapping on vertically integrated models for CO ₂ storage. <i>Advances in Water Resources</i> , 2013, 62, 465-474.	1.7	30

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55	Convective mixing influenced by the capillary transition zone. <i>Computational Geosciences</i> , 2014, 18, 417-431.	1.2	30
56	Effect of Mean Network Coordination Number on Dispersivity Characteristics. <i>Transport in Porous Media</i> , 2012, 95, 447-463.	1.2	28
57	Efficient simulation of geothermal processes in heterogeneous porous media based on the exponential Rosenbrockâ€Euler and Rosenbrock-type methods. <i>Advances in Water Resources</i> , 2013, 53, 250-262.	1.7	27
58	Finite volume hydromechanical simulation in porous media. <i>Water Resources Research</i> , 2014, 50, 4379-4394.	1.7	27
59	Asymmetric ecological conditions favor Red-Queen type of continued evolution over stasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1847-1852.	3.3	26
60	Adaptive Variational Multiscale Methods for Multiphase Flow in Porous Media. <i>Multiscale Modeling and Simulation</i> , 2009, 7, 1455-1473.	0.6	25
61	An ecohydrological approach to predicting hillslopeâ€scale vegetation patterns in dryland ecosystems. <i>Water Resources Research</i> , 2012, 48, .	1.7	25
62	An accelerated staggered scheme for variational phase-field models of brittle fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 381, 113822.	3.4	25
63	How simple can we make models for CO ₂ injection, migration, and leakage?. <i>Energy Procedia</i> , 2011, 4, 3857-3864.	1.8	24
64	Comparison between cell-centered and nodal-based discretization schemes for linear elasticity. <i>Computational Geosciences</i> , 2018, 22, 233-260.	1.2	24
65	A new framework for assessing subject-specific whole brain circulation and perfusion using MRI-based measurements and a multi-scale continuous flow model. <i>PLoS Computational Biology</i> , 2019, 15, e1007073.	1.5	24
66	A singularity removal method for coupled 1Dâ€3D flow models. <i>Computational Geosciences</i> , 2020, 24, 443-457.	1.2	22
67	Upslope plume migration and implications for geological CO ₂ sequestration in deep, saline aquifers. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2008, 1, 2-16.	0.4	21
68	Modeling and Simulation of Microbial Enhanced Oil Recovery Including Interfacial Area. <i>Transport in Porous Media</i> , 2017, 120, 395-413.	1.2	21
69	Adaptive poromechanics computations based on a posteriori error estimates for fully mixed formulations of Biotâ€™s consolidation model. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 347, 264-294.	3.4	21
70	Estimating effective rates of convective mixing from commercial-scale injection. <i>Environmental Earth Sciences</i> , 2012, 67, 527-535.	1.3	20
71	A multiscale multilayer vertically integrated model with vertical dynamics for CO ₂ sequestration in layered geological formations. <i>Water Resources Research</i> , 2016, 52, 6490-6505.	1.7	20
72	A 3-D numerical model of the influence of meanders on groundwater discharge to a gaining stream in an unconfined sandy aquifer. <i>Journal of Hydrology</i> , 2017, 552, 168-181.	2.3	20

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73	Linear and nonlinear convection in porous media between coaxial cylinders. <i>Physics of Fluids</i> , 2011, 23, .	1.6	19
74	A finite-volume discretization for deformation of fractured media. <i>Computational Geosciences</i> , 2018, 22, 993-1007.	1.2	19
75	Adaptive asynchronous time-stepping, stopping criteria, and a posteriori error estimates for fixed-stress iterative schemes for coupled poromechanics problems. <i>Journal of Computational and Applied Mathematics</i> , 2020, 364, 112312.	1.1	19
76	An iterative staggered scheme for phase field brittle fracture propagation with stabilizing parameters. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 361, 112752.	3.4	18
77	Monolithic and splitting solution schemes for fully coupled quasi-static thermo-poroelasticity with nonlinear convective transport. <i>Computers and Mathematics With Applications</i> , 2020, 80, 1964-1984.	1.4	18
78	Inverse Scale Spaces for Nonlinear Regularization. <i>Journal of Mathematical Imaging and Vision</i> , 2007, 27, 41-50.	0.8	17
79	Splitting method for elliptic equations with line sources. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2019, 53, 1715-1739.	0.8	17
80	<i>In Vivo</i> Detection of Chronic Kidney Disease Using Tissue Deformation Fields From Dynamic MR Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1779-1790.	2.5	17
81	Hydrologic variability and its influence on long-term peat dynamics. <i>Water Resources Research</i> , 2010, 46, .	1.7	16
82	Physics-based preconditioners for flow in fractured porous media. <i>Water Resources Research</i> , 2014, 50, 1357-1373.	1.7	16
83	Vertically integrated models for coupled two-phase flow and geomechanics in porous media. <i>Water Resources Research</i> , 2016, 52, 1398-1417.	1.7	16
84	Analysis of Control Volume Heterogeneous Multiscale Methods for Single Phase Flow in Porous Media. <i>Multiscale Modeling and Simulation</i> , 2014, 12, 335-363.	0.6	15
85	Analytical solutions for two-phase subsurface flow to a leaky fault considering vertical flow effects and fault properties. <i>Water Resources Research</i> , 2014, 50, 3536-3552.	1.7	15
86	Functional analysis and exterior calculus on mixed-dimensional geometries. <i>Annali Di Matematica Pura Ed Applicata</i> , 2021, 200, 757-789.	0.5	15
87	A Multipoint Stress Mixed Finite Element Method for Elasticity on Simplicial Grids. <i>SIAM Journal on Numerical Analysis</i> , 2020, 58, 630-656.	1.1	14
88	Well-posedness of the fully coupled quasi-static thermo-poroelastic equations with nonlinear convective transport. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 471, 239-266.	0.5	13
89	Stochastic coupling of rainfall and biomass dynamics. <i>Water Resources Research</i> , 2007, 43, .	1.7	12
90	Multiscale mass conservative domain decomposition preconditioners for elliptic problems on irregular grids. <i>Computational Geosciences</i> , 2011, 15, 587-602.	1.2	12

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91	An efficient software framework for performing industrial risk assessment of leakage for geological storage of CO ₂ . <i>Energy Procedia</i> , 2011, 4, 4207-4214.	1.8	12
92	Instant convolution shadows for volumetric detail mapping. <i>ACM Transactions on Graphics</i> , 2013, 32, 1-18.	4.9	12
93	Hysteretic upscaled constitutive relationships for vertically integrated porous media flow. <i>Computing and Visualization in Science</i> , 2012, 15, 147-161.	1.2	11
94	Plant biomass and soil moisture dynamics: analytical results. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150179.	1.0	11
95	Two-Scale Preconditioning for Two-Phase Nonlinear Flows in Porous Media. <i>Transport in Porous Media</i> , 2016, 114, 485-503.	1.2	11
96	Heterogeneity preserving upscaling for heat transport in fractured geothermal reservoirs. <i>Computational Geosciences</i> , 2018, 22, 451-467.	1.2	11
97	Upscaling of the Coupling of Hydromechanical and Thermal Processes in a Quasi-static Poroelastic Medium. <i>Transport in Porous Media</i> , 2018, 124, 137-158.	1.2	11
98	A New Finite-Volume Approach to Efficient Discretization on Challenging Grids. , 2007, , .		10
99	The impact of local-scale processes on large-scale CO ₂ migration and immobilization. <i>Energy Procedia</i> , 2011, 4, 3896-3903.	1.8	10
100	Physical Models for Simulation and Reconstruction of Human Tissue Deformation Fields in Dynamic MRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2200-2210.	2.5	10
101	Ecological and evolutionary dynamics of interconnectedness and modularity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 750-755.	3.3	10
102	Analytical solutions for aquifer thermal energy storage. <i>Water Resources Research</i> , 2017, 53, 1354-1368.	1.7	9
103	A combined finite element–finite volume framework for phase-field fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113474.	3.4	9
104	Auxiliary variables for 3D multiscale simulations in heterogeneous porous media. <i>Journal of Computational Physics</i> , 2013, 238, 141-153.	1.9	8
105	Influence of natural convection in a porous medium when producing from borehole heat exchangers. <i>Water Resources Research</i> , 2013, 49, 4927-4938.	1.7	8
106	An Introduction to Multi-point Flux (MPFA) and Stress (MPSA) Finite Volume Methods for Thermo-poroelasticity. <i>SEMA SIMAI Springer Series</i> , 2021, , 119-158.	0.4	8
107	A Posteriori Error Estimates for Approximate Solutions of the Barenblatt-Biot Poroelastic Model. <i>Computational Methods in Applied Mathematics</i> , 2010, 10, 302-314.	0.4	7
108	Full Pressure Coupling for Geo-mechanical Multi-phase Multi-component Flow Simulations. , 2015, , .		7

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109	The dynamics of trait variance in multi-species communities. Royal Society Open Science, 2020, 7, 200321.	1.1	7
110	Rayleigh–Taylor instability of immiscible fluids in porous media. Continuum Mechanics and Thermodynamics, 2016, 28, 721-731.	1.4	6
111	Iterative solvers for Biot model under small and large deformations. Computational Geosciences, 2021, 25, 687-699.	1.2	6
112	Modeling, Structure and Discretization of Hierarchical Mixed-Dimensional Partial Differential Equations. Lecture Notes in Computational Science and Engineering, 2018, , 87-101.	0.1	6
113	Non-uniqueness of evapotranspiration due to spatial heterogeneity of plant species. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 2359-2371.	1.0	5
114	Appropriate Choice of Average Pressure for Upscaling Relative Permeability in Dynamic Flow Conditions. SPE Journal, 2010, 15, 228-237.	1.7	5
115	Quantifying Transient Soil Moisture Dynamics Using Multipoint Direct-Current Resistivity in Homogeneous Sand. Vadose Zone Journal, 2011, 10, 286-298.	1.3	5
116	SUCCESS: SUBsurface CO2 storage—Critical elements and superior strategy. Energy Procedia, 2011, 4, 6117-6124.	1.8	5
117	Inexact linear solvers for control volume discretizations in porous media. Computational Geosciences, 2015, 19, 159-176.	1.2	5
118	Non-standard shocks in the Buckley–Leverett equation. Journal of Mathematical Analysis and Applications, 2015, 428, 882-895.	0.5	5
119	On reproducing uniform flow exactly on general hexahedral cells using one degree of freedom per surface. Advances in Water Resources, 2009, 32, 264-267.	1.7	4
120	Iterative Methods for Coupled Flow and Geomechanics in Unsaturated Porous Media. , 2017, , .		4
121	Guaranteed and computable error bounds for approximations constructed by an iterative decoupling of the Biot problem. Computers and Mathematics With Applications, 2021, 91, 122-149.	1.4	4
122	A nonlinear multi-scale model for blood circulation in a realistic vascular system. Royal Society Open Science, 2021, 8, 201949.	1.1	4
123	Capturing the coupled hydro-mechanical processes occurring during CO2 injection — example from In Salah. Energy Procedia, 2014, 63, 3416-3424.	1.8	3
124	Dynamics of the interface between immiscible liquids of different densities with low Froude number. Nonlinear Analysis: Real World Applications, 2014, 15, 361-366.	0.9	3
125	Consistent MPFA Discretization for Flow in the Presence of Gravity. Water Resources Research, 2019, 55, 10105-10118.	1.7	3
126	Stable mixed finite elements for linear elasticity with thin inclusions. Computational Geosciences, 2021, 25, 603-620.	1.2	3

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127	A multipoint stress mixed finite element method for elasticity on quadrilateral grids. Numerical Methods for Partial Differential Equations, 2021, 37, 1886-1915.	2.0	3
128	A Mixed Approach to the Poisson Problem with Line Sources. SIAM Journal on Numerical Analysis, 2021, 59, 1117-1139.	1.1	3
129	Well-Posedness and Discretization for a Class of Models for Mixed-Dimensional Problems with High-Dimensional Gap. SIAM Journal on Applied Mathematics, 2021, 81, 2218-2245.	0.8	3
130	Free Energy Diminishing Discretization of Darcy-Forchheimer Flow in Poroelastic Media. Springer Proceedings in Mathematics and Statistics, 2020, , 203-211.	0.1	3
131	A Cahn-Hilliard-Biot system and its generalized gradient flow structure. Applied Mathematics Letters, 2021, 126, 107799.	1.5	3
132	Temperature-Dependent Bending Rigidity of AB -Stacked Bilayer Graphene. Physical Review Letters, 2021, 127, 266102.	2.9	3
133	Incorporating Geological Uncertainty in Error Control for Linear Solvers. , 2015, , .		2
134	Iterative Linearisation Schemes for Doubly Degenerate Parabolic Equations. Lecture Notes in Computational Science and Engineering, 2019, , 49-63.	0.1	2
135	Modeling and discretization of flow in porous media with thin, full-tensor permeability inclusions. International Journal for Numerical Methods in Engineering, 2021, 122, 4730-4750.	1.5	2
136	Variational and Heterogeneous Multiscale Methods. , 2010, , 713-720.		2
137	Stability analysis of probabilistic soil moisture dynamics. Advances in Water Resources, 2008, 31, 418-423.	1.7	1
138	Multiscale Methods for Multiphase Flow in Porous Media. Lecture Notes in Computational Science and Engineering, 2009, , 39-50.	0.1	1
139	Simulating Two-phase Flow in Porous Media with Anisotropic Relative Permeabilities. , 2011, , .		1
140	On the Properties of the Parameter Space of the Generalized Continuum Transport Model for Description of Fluid Flow in Porous Networks. Transport in Porous Media, 2017, 119, 673-688.	1.2	1
141	Efficient water table evolution discretization using domain transformation. Computational Geosciences, 2017, 21, 3-11.	1.2	1
142	A heterogeneous multiscale MPFA method for single-phase flows in porous media with inertial effects. Computational Geosciences, 2019, 23, 107-126.	1.2	1
143	A minimalist model for coevolving supply and drainage networks. Royal Society Open Science, 2021, 8, 201407.	1.1	1
144	Robust Linear Domain Decomposition Schemes for Reduced Nonlinear Fracture Flow Models. SIAM Journal on Numerical Analysis, 2021, 59, 583-612.	1.1	1

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145	Vertically averaged approaches for CO ₂ migration with solubility trapping. , 2011, .		1
146	Fractal structures in freezing brine. Journal of Fluid Mechanics, 2017, 826, 975-995.	1.4	0
147	Mathematics and Medicine: How Mathematics, Modelling and Simulations Can Lead to Better Diagnosis and Treatments. Lecture Notes in Computational Science and Engineering, 2019, , 65-80.	0.1	0
148	Influence of capillary pressure and trapping hysteresis on large-scale CO ₂ migration. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 442-458.	0.2	0
149	A Multi-Scale Flow Model for Studying Blood Circulation in Vascular System. Lecture Notes in Computational Science and Engineering, 2021, , 743-751.	0.1	0
150	Convergence of a TPFA Finite Volume Scheme for Mixed-Dimensional Flow Problems. Springer Proceedings in Mathematics and Statistics, 2020, , 435-444.	0.1	0
151	Modeling the Process of Speciation Using a Multiscale Framework Including A Posteriori Error Estimates. SIAM Journal on Applied Mathematics, 2022, 82, 450-475.	0.8	0