

Ward E Sanford

List of Publications by Year in descending order

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46
papers

2,357
citations

236925

25
h-index

223800

46
g-index

57
all docs

57
docs citations

57
times ranked

2378
citing authors

#	ARTICLE	IF	CITATIONS
1	Recharge and groundwater models: an overview. <i>Hydrogeology Journal</i> , 2002, 10, 110-120.	2.1	228
2	Estimation of Evapotranspiration Across the Conterminous United States Using a Regression With Climate and Land-Cover Data ¹ . <i>Journal of the American Water Resources Association</i> , 2013, 49, 217-230.	2.4	158
3	Simulation of calcite dissolution and porosity changes in saltwater mixing zones in coastal aquifers. <i>Water Resources Research</i> , 1989, 25, 655-667.	4.2	142
4	Correcting for Diffusion in Carbon-14 Dating of Ground Water. <i>Ground Water</i> , 1997, 35, 357-361.	1.3	121
5	D'Arcis actuels de l'utilisation des modèles pour prédire l'intrusion d'eau de mer: Des leçons de la côte est de la Virginie, USA. <i>Hydrogeology Journal</i> , 2010, 18, 73-93.	2.1	117
6	Quantifying Groundwater's Role in Delaying Improvements to Chesapeake Bay Water Quality. <i>Environmental Science & Technology</i> , 2013, 47, 13330-13338.	10.0	112
7	Calibration of models using groundwater age. <i>Hydrogeology Journal</i> , 2011, 19, 13-16.	2.1	110
8	Hydrology of the coastal sabkhas of Abu Dhabi, United Arab Emirates. <i>Hydrogeology Journal</i> , 2001, 9, 358-366.	2.1	79
9	Ground-water control of evaporite deposition. <i>Economic Geology</i> , 1990, 85, 1226-1235.	3.8	78
10	Source of solutes to the coastal sabkha of Abu Dhabi. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 259-268.	3.3	77
11	Hydrochemical tracers in the middle Rio Grande Basin, USA: 2. Calibration of a groundwater-flow model. <i>Hydrogeology Journal</i> , 2004, 12, 389.	2.1	73
12	Eolian transport, saline lake basins, and groundwater solutes. <i>Water Resources Research</i> , 1995, 31, 3121-3129.	4.2	67
13	Deep Drilling into the Chesapeake Bay Impact Structure. <i>Science</i> , 2008, 320, 1740-1745.	12.6	65
14	Fate of reflux brines in carbonate platforms. <i>Geology</i> , 2002, 30, 371.	4.4	64
15	Constant-concentration boundary condition: Lessons from the HYDROCOIN variable-density groundwater benchmark problem. <i>Water Resources Research</i> , 1997, 33, 2253-2261.	4.2	57
16	Porosity development in coastal carbonate aquifers. <i>Geology</i> , 1989, 17, 249.	4.4	55
17	Assessment Of A Groundwater Flow Model Of The Bangkok Basin, Thailand, Using Carbon-14-Based Ages And Paleohydrology. <i>Hydrogeology Journal</i> , 1996, 4, 26-40.	2.1	55
18	Chemical openness and potential for misinterpretation of the solute environment of coastal sabkhat. <i>Chemical Geology</i> , 2005, 215, 361-372.	3.3	55

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19	Temporal response of hydraulic head, temperature, and chloride concentrations to sea-level changes, Floridan aquifer system, USA. <i>Hydrogeology Journal</i> , 2009, 17, 793-815.	2.1	53
20	Groundwater transport of crater-lake brine at Poa's Volcano, Costa Rica. <i>Journal of Volcanology and Geothermal Research</i> , 1995, 64, 269-293.	2.1	32
21	Impact Disruption and Recovery of the Deep Subsurface Biosphere. <i>Astrobiology</i> , 2012, 12, 231-246.	3.0	30
22	Evidence for high salinity of Early Cretaceous sea water from the Chesapeake Bay crater. <i>Nature</i> , 2013, 503, 252-256.	27.8	29
23	A simulation of the hydrothermal response to the Chesapeake Bay bolide impact. <i>Geofluids</i> , 2005, 5, 185-201.	0.7	26
24	Three-dimensional flow in the Florida platform: Theoretical analysis of Kohout convection at its type locality. <i>Geology</i> , 2007, 35, 663.	4.4	26
25	Calibrated Simulation of the Long-Term Average Surficial Groundwater System and Derived Spatial Distributions of its Characteristics for the Contiguous United States. <i>Water Resources Research</i> , 2020, 56, e2019WR026724.	4.2	24
26	Combining Remote Sensing and Water-Balance Evapotranspiration Estimates for the Conterminous United States. <i>Remote Sensing</i> , 2017, 9, 1181.	4.0	19
27	Preface: Insights from environmental tracers in groundwater systems. <i>Hydrogeology Journal</i> , 2011, 19, 1-3.	2.1	17
28	Estimating regional-scale permeability-depth relations in a fractured-rock terrain using groundwater-flow model calibration. <i>Hydrogeology Journal</i> , 2017, 25, 405-419.	2.1	17
29	Large lake basins of the southern High Plains: Ground-water control of their origin?. <i>Geology</i> , 1992, 20, 535.	4.4	16
30	Atmospheric bromine flux from the coastal Abu Dhabi sabkhat: A groundwater mass balance investigation. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	15
31	Numerical simulation of double-diffusive finger convection. <i>Water Resources Research</i> , 2005, 41, .	4.2	13
32	Investigation of the groundwater system at Masaya Caldera, Nicaragua, using transient electromagnetics and numerical simulation. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 166, 217-232.	2.1	13
33	Prediction uncertainty and data worth assessment for groundwater transport times in an agricultural catchment. <i>Journal of Hydrology</i> , 2018, 561, 1019-1036.	5.4	12
34	The role of uplift and erosion in the persistence of saline groundwater in the shallow subsurface. <i>Geophysical Research Letters</i> , 2017, 44, 3672-3681.	4.0	11
35	Estimating quick-flow runoff at the monthly timescale for the conterminous United States. <i>Journal of Hydrology</i> , 2019, 573, 841-854.	5.4	11
36	Paleohydrologic record from lake brine on the southern High Plains, Texas. <i>Geology</i> , 1995, 23, 229.	4.4	10

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37	Distinguishing seawater from geologic brine in saline coastal groundwater using radium-226; an example from the Sabkha of the UAE. <i>Chemical Geology</i> , 2014, 371, 1-8.	3.3	9
38	Pore-water chemistry from the ICDP-USGS core hole in the Chesapeake Bay impact structureâ€”Implications for paleohydrology, microbial habitat, and water resources. , 2009, , .		9
39	Coastal flow. <i>Nature Geoscience</i> , 2010, 3, 671-672.	12.9	7
40	Measurements of HFC-134a and HCFC-22 in groundwater and unsaturated-zone air: Implications for HFCs and HCFCs as dating tracers. <i>Chemical Geology</i> , 2014, 385, 117-128.	3.3	7
41	Using dualâ€”domain advectiveâ€”transport simulation to reconcile multipleâ€”tracer ages and estimate dualâ€”porosity transport parameters. <i>Water Resources Research</i> , 2017, 53, 5002-5016.	4.2	7
42	Dating base flow in streams using dissolved gases and diurnal temperature changes. <i>Water Resources Research</i> , 2015, 51, 9790-9803.	4.2	6
43	Comment and Reply on "Porosity development in coastal carbonate aquifers". <i>Geology</i> , 1989, 17, 961.	4.4	5
44	Quantifying background nitrate removal mechanisms in an agricultural watershed with contrasting subcatchment baseflow concentrations. <i>Journal of Environmental Quality</i> , 2020, 49, 392-403.	2.0	1
45	Reply [to â€”Comments on â€”Constant-concentration boundary condition: Lessons from the HYDROCOIN variable-density groundwater benchmark problemâ€” by L. F. Konikow, W. E. Sanford, and P. J. Campbellâ€”]. <i>Water Resources Research</i> , 1998, 34, 2779-2780.	4.2	0
46	Calibration of regional hydraulic and transport properties of an arid-region aquifer under modern and paleorecharge conditions using water levels and environmental tracers. <i>Hydrogeology Journal</i> , 2019, 27, 685-701.	2.1	0