

Craig Simmons

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

10,728
citations

30070

54
h-index

43889

91
g-index

247
all docs

247
docs citations

247
times ranked

7921
citing authors

#	ARTICLE	IF	CITATIONS
1	Seawater intrusion processes, investigation and management: Recent advances and future challenges. <i>Advances in Water Resources</i> , 2013, 51, 3-26.	3.8	1,046
2	Impact of Sea-Level Rise on Sea Water Intrusion in Coastal Aquifers. <i>Ground Water</i> , 2009, 47, 197-204.	1.3	447
3	HydroGeoSphere: A Fully Integrated, Physically Based Hydrological Model. <i>Ground Water</i> , 2012, 50, 170-176.	1.3	365
4	Variable-density groundwater flow and solute transport in heterogeneous porous media: approaches, resolutions and future challenges. <i>Journal of Contaminant Hydrology</i> , 2001, 52, 245-275.	3.3	301
5	Is Decoupling GDP Growth from Environmental Impact Possible?. <i>PLoS ONE</i> , 2016, 11, e0164733.	2.5	292
6	Contrasting responses of water use efficiency to drought across global terrestrial ecosystems. <i>Scientific Reports</i> , 2016, 6, 23284.	3.3	227
7	Sea-level rise impacts on seawater intrusion in coastal aquifers: Review and integration. <i>Journal of Hydrology</i> , 2016, 535, 235-255.	5.4	219
8	Hydrogeologic controls on disconnection between surface water and groundwater. <i>Water Resources Research</i> , 2009, 45, .	4.2	160
9	Vulnerability Indicators of Sea Water Intrusion. <i>Ground Water</i> , 2012, 50, 48-58.	1.3	159
10	Advances in understanding river-groundwater interactions. <i>Reviews of Geophysics</i> , 2017, 55, 818-854.	23.0	158
11	Using Hydraulic Head Measurements in Variable-Density Ground Water Flow Analyses. <i>Ground Water</i> , 2007, 45, 664-671.	1.3	132
12	GRACE satellite observed hydrological controls on interannual and seasonal variability in surface greenness over mainland Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 2245-2260.	3.0	118
13	Evaluation of outputs from automated baseflow separation methods against simulated baseflow from a physically based, surface water-groundwater flow model. <i>Journal of Hydrology</i> , 2012, 458-459, 28-39.	5.4	111
14	Transience of seawater intrusion in response to sea level rise. <i>Water Resources Research</i> , 2010, 46, .	4.2	107
15	On a test case for density-dependent groundwater flow and solute transport models: The Salt Lake Problem. <i>Water Resources Research</i> , 1999, 35, 3607-3620.	4.2	106
16	Experimental observations of saltwater up-coning. <i>Journal of Hydrology</i> , 2009, 373, 230-241.	5.4	103
17	Polynomial chaos expansions for uncertainty propagation and moment independent sensitivity analysis of seawater intrusion simulations. <i>Journal of Hydrology</i> , 2015, 520, 101-122.	5.4	101
18	Spatial and temporal aspects of the transition from connection to disconnection between rivers, lakes and groundwater. <i>Journal of Hydrology</i> , 2009, 376, 159-169.	5.4	97

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19	Comparison of three dual-source remote sensing evapotranspiration models during the MUSOEXE12 campaign: Revisit of model physics. <i>Water Resources Research</i> , 2015, 51, 3145-3165.	4.2	97
20	Variable density groundwater flow: From current challenges to future possibilities. <i>Hydrogeology Journal</i> , 2005, 13, 116-119.	2.1	96
21	Modeling Surface Water-Groundwater Interaction with MODFLOW: Some Considerations. <i>Ground Water</i> , 2010, 48, 174-180.	1.3	95
22	Sea-level rise impact on fresh groundwater lenses in two-layer small islands. <i>Hydrological Processes</i> , 2014, 28, 5938-5953.	2.6	94
23	Title is missing!. <i>Transport in Porous Media</i> , 2002, 47, 215-244.	2.6	91
24	Variation in performance of surfactant loading and resulting nitrate removal among four selected natural zeolites. <i>Journal of Hazardous Materials</i> , 2010, 183, 616-621.	12.4	91
25	Disconnected Surface Water and Groundwater: From Theory to Practice. <i>Ground Water</i> , 2011, 49, 460-467.	1.3	91
26	Process-Based Reactive Transport Model To Quantify Arsenic Mobility during Aquifer Storage and Recovery of Potable Water. <i>Environmental Science & Technology</i> , 2011, 45, 6924-6931.	10.0	90
27	Assessing spatial and temporal connectivity between surface water and groundwater in a regional catchment: Implications for regional scale water quantity and quality. <i>Journal of Hydrology</i> , 2011, 404, 30-49.	5.4	90
28	Unstable density-driven flow in heterogeneous porous media: A stochastic study of the Elder [1967b] "short heater" problem. <i>Water Resources Research</i> , 2003, 39, SBH 4-1-SBH 4-21.	4.2	89
29	Heterogeneous or homogeneous? Implications of simplifying heterogeneous streambeds in models of losing streams. <i>Journal of Hydrology</i> , 2012, 424-425, 16-23.	5.4	89
30	Mixed convection processes below a saline disposal basin. <i>Journal of Hydrology</i> , 1997, 194, 263-285.	5.4	86
31	Season-of-birth bias in association football. <i>Journal of Sports Sciences</i> , 2001, 19, 677-686.	2.0	86
32	Groundwater inflow to a shallow, poorly-mixed wetland estimated from a mass balance of radon. <i>Journal of Hydrology</i> , 2008, 354, 213-226.	5.4	86
33	Fractured bedrock and saprolite hydrogeologic controls on groundwater/surface-water interaction: a conceptual model (Australia). <i>Hydrogeology Journal</i> , 2009, 17, 1969-1989.	2.1	83
34	Integrated assessment of lateral flow, density effects and dispersion in aquifer storage and recovery. <i>Journal of Hydrology</i> , 2009, 370, 83-99.	5.4	80
35	Groundwater ages in fractured rock aquifers. <i>Journal of Hydrology</i> , 2005, 308, 284-301.	5.4	77
36	Limitations of the Use of Environmental Tracers to Infer Groundwater Age. <i>Ground Water</i> , 2015, 53, 56-70.	1.3	76

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37	The compleat Darcy: New lessons learned from the first English translation of les fontaines publiques de la Ville de Dijon. <i>Ground Water</i> , 2005, 43, 457-460.	1.3	74
38	Time to reach near-steady state in large aquifers. <i>Water Resources Research</i> , 2013, 49, 6893-6908.	4.2	73
39	Geochemical and ²²² Rn constraints on baseflow to the Murray River, Australia, and timescales for the decay of low-salinity groundwater lenses. <i>Journal of Hydrology</i> , 2011, 405, 333-343.	5.4	72
40	How important is the impact of land-surface inundation on seawater intrusion caused by sea-level rise?. <i>Hydrogeology Journal</i> , 2013, 21, 1673-1677.	2.1	72
41	Effects of tidal fluctuations and spatial heterogeneity on mixing and spreading in spatially heterogeneous coastal aquifers. <i>Water Resources Research</i> , 2015, 51, 1570-1585.	4.2	72
42	Natural free convection in porous media: First field documentation in groundwater. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	71
43	Spatial relationships between vegetation cover and irrigation-induced groundwater discharge on a semi-arid floodplain, Australia. <i>Journal of Hydrology</i> , 2006, 329, 75-97.	5.4	68
44	Current Practice and Future Challenges in Coastal Aquifer Management: Flux-Based and Trigger-Level Approaches with Application to an Australian Case Study. <i>Water Resources Management</i> , 2011, 25, 1831-1853.	3.9	68
45	Vulnerability mapping of coastal aquifers to seawater intrusion: Review, development and application. <i>Journal of Hydrology</i> , 2019, 570, 555-573.	5.4	68
46	A theoretical analysis of mixed convection in aquifer storage and recovery: How important are density effects?. <i>Journal of Hydrology</i> , 2007, 343, 169-186.	5.4	66
47	A discussion on the effect of heterogeneity on the onset of convection in a porous medium. <i>Transport in Porous Media</i> , 2007, 68, 413-421.	2.6	63
48	Evaluation of Conceptual and Numerical Models for Arsenic Mobilization and Attenuation during Managed Aquifer Recharge. <i>Environmental Science & Technology</i> , 2010, 44, 5035-5041.	10.0	63
49	Uncertainty assessment and implications for data acquisition in support of integrated hydrologic models. <i>Water Resources Research</i> , 2012, 48, .	4.2	63
50	Numerical modelling of saltwater up-coning: Comparison with experimental laboratory observations. <i>Journal of Hydrology</i> , 2011, 402, 261-273.	5.4	61
51	Groundwater modelling in decision support: reflections on a unified conceptual framework. <i>Hydrogeology Journal</i> , 2013, 21, 1531-1537.	2.1	60
52	Physical hydrogeology and environmental isotopes to constrain the age, origins, and stability of a low-salinity groundwater lens formed by periodic river recharge: Murray Basin, Australia. <i>Journal of Hydrology</i> , 2010, 380, 203-221.	5.4	58
53	The effect of streambed heterogeneity on groundwater-surface water exchange fluxes inferred from temperature time series. <i>Water Resources Research</i> , 2015, 51, 198-212.	4.2	57
54	Interpreting streamflow generation mechanisms from integrated surface-subsurface flow models of a riparian wetland and catchment. <i>Water Resources Research</i> , 2013, 49, 5501-5519.	4.2	56

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55	Factors influencing chloride deposition in a coastal hilly area and application to chloride deposition mapping. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 801-813.	4.9	53
56	Vegetation controls on variably saturated processes between surface water and groundwater and their impact on the state of connection. <i>Water Resources Research</i> , 2011, 47, .	4.2	53
57	A hydraulic mixing-cell method to quantify the groundwater component of streamflow within spatially distributed fully integrated surface waterâ€“groundwater flow models. <i>Environmental Modelling and Software</i> , 2011, 26, 886-898.	4.5	53
58	Blueprint for a coupled model of sedimentology, hydrology, and hydrogeology in streambeds. <i>Reviews of Geophysics</i> , 2017, 55, 287-309.	23.0	52
59	Model-data interaction in groundwater studies: Review of methods, applications and future directions. <i>Journal of Hydrology</i> , 2018, 567, 457-477.	5.4	50
60	Conceptualization of a fresh groundwater lens influenced by climate change: A modeling study of an arid-region island in the Persian Gulf, Iran. <i>Journal of Hydrology</i> , 2014, 519, 399-413.	5.4	49
61	Multiscale Characterization of a Heterogeneous Aquifer Using an ASR Operation. <i>Ground Water</i> , 2006, 44, 155-164.	1.3	48
62	Henry Darcy (1803â€“1858): Immortalised by his scientific legacy. <i>Hydrogeology Journal</i> , 2008, 16, 1023.	2.1	48
63	Bias of Apparent Tracer Ages in Heterogeneous Environments. <i>Ground Water</i> , 2014, 52, 239-250.	1.3	48
64	Uncertainty analysis for seawater intrusion in fractured coastal aquifers: Effects of fracture location, aperture, density and hydrodynamic parameters. <i>Journal of Hydrology</i> , 2019, 571, 159-177.	5.4	48
65	A waveletâ€“based multiple linear regression model for forecasting monthly rainfall. <i>International Journal of Climatology</i> , 2014, 34, 1898-1912.	3.5	46
66	Variable-density modelling of multiple-cycle aquifer storage and recovery (ASR): Importance of anisotropy and layered heterogeneity in brackish aquifers. <i>Journal of Hydrology</i> , 2008, 356, 93-105.	5.4	45
67	Free convective controls on sequestration of salts into low-permeability strata: insights from sand tank laboratory experiments and numerical modelling. <i>Hydrogeology Journal</i> , 2010, 18, 39-54.	2.1	45
68	Effects of tidal fluctuations on mixing and spreading in coastal aquifers: Homogeneous case. <i>Water Resources Research</i> , 2014, 50, 6910-6926.	4.2	45
69	Discretizing the Fractureâ€“Matrix Interface to Simulate Solute Transport. <i>Ground Water</i> , 2008, 46, 606-615.	1.3	44
70	Influence of the first-order exchange coefficient on simulation of coupled surfaceâ€“subsurface flow. <i>Journal of Hydrology</i> , 2012, 414-415, 503-515.	5.4	44
71	Examination of water budget using satellite products over Australia. <i>Journal of Hydrology</i> , 2014, 511, 546-554.	5.4	44
72	Optimization of canopy conductance models from concurrent measurements of sap flow and stem water potential on Drooping Sheoak in South Australia. <i>Water Resources Research</i> , 2014, 50, 6154-6167.	4.2	44

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73	Testing density-dependent groundwater models: two-dimensional steady state unstable convection in infinite, finite and inclined porous layers. <i>Advances in Water Resources</i> , 2004, 27, 547-562.	3.8	43
74	Speed of free convective fingering in porous media. <i>Water Resources Research</i> , 2011, 47, .	4.2	43
75	Orographic controls on rain water isotope distribution in the Mount Lofty Ranges of South Australia. <i>Journal of Hydrology</i> , 2009, 374, 255-264.	5.4	42
76	Performance assessment and improvement of recursive digital baseflow filters for catchments with different physical characteristics and hydrological inputs. <i>Environmental Modelling and Software</i> , 2014, 54, 39-52.	4.5	42
77	Radium and radon radioisotopes in regional groundwater, intertidal groundwater, and seawater in the Adelaide Coastal Waters Study area: Implications for the evaluation of submarine groundwater discharge. <i>Marine Chemistry</i> , 2008, 109, 318-336.	2.3	40
78	On the testing of fully integrated surface-â€“subsurface hydrological models. <i>Hydrological Processes</i> , 2013, 27, 1276-1285.	2.6	40
79	Heat and Solute Tracers: How Do They Compare in Heterogeneous Aquifers?. <i>Ground Water</i> , 2015, 53, 10-20.	1.3	40
80	A vegetation-â€“focused soil-â€“plant-â€“atmospheric continuum model to study hydrodynamic soil-â€“plant water relations. <i>Water Resources Research</i> , 2017, 53, 4965-4983.	4.2	39
81	Assessment of sustainable groundwater resources management using integrated environmental index: Case studies across Iran. <i>Science of the Total Environment</i> , 2019, 676, 792-810.	8.0	39
82	On the evolution of salt lakes: Episodic convection beneath an evaporating salt lake. <i>Water Resources Research</i> , 2008, 44, .	4.2	37
83	Effectiveness of artificial watering of a semi-â€“arid saline wetland for managing riparian vegetation health. <i>Hydrological Processes</i> , 2009, 23, 3474-3484.	2.6	36
84	Groundwater recharge to a sedimentary aquifer in the topographically closed Uley South Basin, South Australia. <i>Hydrogeology Journal</i> , 2012, 20, 61-72.	2.1	36
85	The <sc>H</sc>entry problem: New semianalytical solution for velocity-â€“dependent dispersion. <i>Water Resources Research</i> , 2016, 52, 7382-7407.	4.2	36
86	Uncertainty of groundwater recharge estimated from a water and energy balance model. <i>Journal of Hydrology</i> , 2018, 561, 1081-1093.	5.4	36
87	Evidence of free convection in groundwater: Field-based measurements beneath wind-tidal flats. <i>Journal of Hydrology</i> , 2009, 375, 394-409.	5.4	35
88	Estimating Flow Using Tracers and Hydraulics in Synthetic Heterogeneous Aquifers. <i>Ground Water</i> , 2009, 47, 786-796.	1.3	35
89	EstÃndar de comparaciÃn tridimensional para la simulaciÃn de flujo de densidad variable y transporte: coincidencia de modo de estabilidad semianalÃtica para una convecciÃn estacionaria inestable en una caja porosa inclinada. <i>Hydrogeology Journal</i> , 2010, 18, 5-23.	2.1	35
90	Catchment conceptualisation for examining applicability of chloride mass balance method in an area with historical forest clearance. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1233-1245.	4.9	34

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91	Uncertainty of natural tracer methods for quantifying river-aquifer interaction in a large river. <i>Journal of Hydrology</i> , 2016, 535, 135-147.	5.4	34
92	Interaction of lake-groundwater levels using cross-correlation analysis: A case study of Lake Urmia Basin, Iran. <i>Science of the Total Environment</i> , 2020, 729, 138822.	8.0	34
93	A breakthrough curve analysis of unstable density-driven flow and transport in homogeneous porous media. <i>Water Resources Research</i> , 2004, 40, .	4.2	33
94	Insights from a pseudospectral approach to the Elder problem. <i>Water Resources Research</i> , 2009, 45, .	4.2	33
95	Modeling the environmental controls on tree water use at different temporal scales. <i>Agricultural and Forest Meteorology</i> , 2016, 225, 24-35.	4.8	33
96	A Brief Introduction to Convection in Porous Media. <i>Transport in Porous Media</i> , 2019, 130, 237-250.	2.6	33
97	Groundwater flow and solute transport at the Mourquong saline-water disposal basin, Murray Basin, southeastern Australia. <i>Hydrogeology Journal</i> , 2002, 10, 278-295.	2.1	32
98	Modes of free convection in fractured low-permeability media. <i>Water Resources Research</i> , 2008, 44, .	4.2	32
99	Prediction and uncertainty of free convection phenomena in porous media. <i>Water Resources Research</i> , 2012, 48, .	4.2	31
100	Normalized difference vegetation index as the dominant predicting factor of groundwater recharge in phreatic aquifers: case studies across Iran. <i>Scientific Reports</i> , 2020, 10, 17473.	3.3	31
101	Numerical error in groundwater flow and solute transport simulation. <i>Water Resources Research</i> , 2003, 39, .	4.2	30
102	Uncertainties in vertical groundwater fluxes from 1D steady state heat transport analyses caused by heterogeneity, multidimensional flow, and climate change. <i>Water Resources Research</i> , 2016, 52, 813-826.	4.2	30
103	Quantifying sapwood width for three Australian native species using electrical resistivity tomography. <i>Ecohydrology</i> , 2016, 9, 83-92.	2.4	30
104	Effect of strong heterogeneity on the onset of convection in a porous medium: Importance of spatial dimensionality and geologic controls. <i>Water Resources Research</i> , 2010, 46, .	4.2	29
105	Framework for assessing and improving the performance of recursive digital filters for baseflow estimation with application to the Lyne and Hollick filter. <i>Environmental Modelling and Software</i> , 2013, 41, 163-175.	4.5	29
106	Groundwater flow estimation using temperature-depth profiles in a complex environment and a changing climate. <i>Science of the Total Environment</i> , 2017, 574, 272-281.	8.0	29
107	Impact of fracture network geometry on free convective flow patterns. <i>Advances in Water Resources</i> , 2014, 71, 65-80.	3.8	28
108	Non-pumping reactive wells filled with mixing nano and micro zero-valent iron for nitrate removal from groundwater: Vertical, horizontal, and slanted wells. <i>Journal of Contaminant Hydrology</i> , 2018, 210, 50-64.	3.3	28

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109	Sea breeze cooling capacity and its influencing factors in a coastal city. <i>Building and Environment</i> , 2019, 166, 106408.	6.9	28
110	Using quantitative indicators to evaluate results from variable-density groundwater flow models. <i>Hydrogeology Journal</i> , 2005, 13, 905-914.	2.1	27
111	The Effect of Strong Heterogeneity on the Onset of Convection in a Porous Medium. <i>Transport in Porous Media</i> , 2009, 77, 169-186.	2.6	27
112	Modelling density-dependent flow and solute transport at the Lake Tutchewop saline disposal complex, Victoria. <i>Journal of Hydrology</i> , 1998, 206, 219-236.	5.4	26
113	Aquifer response to surface water transience in disconnected streams. <i>Water Resources Research</i> , 2012, 48, .	4.2	26
114	When Can Inverted Water Tables Occur Beneath Streams?. <i>Ground Water</i> , 2014, 52, 769-774.	1.3	26
115	Identifying modern and historic recharge events from tracer-derived groundwater age distributions. <i>Water Resources Research</i> , 2017, 53, 1039-1056.	4.2	26
116	Fuzzy vulnerability mapping of urban groundwater systems to nitrate contamination. <i>Environmental Modelling and Software</i> , 2017, 96, 146-157.	4.5	26
117	Influence of lakebed sediment deposit on the interaction of hypersaline lake and groundwater: A simplified case of lake Urmia, Iran. <i>Journal of Hydrology</i> , 2020, 588, 125110.	5.4	26
118	Review of assimilating GRACE terrestrial water storage data into hydrological models: Advances, challenges and opportunities. <i>Earth-Science Reviews</i> , 2021, 213, 103487.	9.1	26
119	Effect of transient solute loading on free convection in porous media. <i>Water Resources Research</i> , 2010, 46, .	4.2	25
120	Can collective action address the "tragedy of the commons" in groundwater management? Insights from an Australian case study. <i>Hydrogeology Journal</i> , 2019, 27, 2471-2483.	2.1	25
121	The Effect of Strong Heterogeneity on the Onset of Convection in a Porous Medium: 2D/3D Localization and Spatially Correlated Random Permeability Fields. <i>Transport in Porous Media</i> , 2010, 83, 465-477.	2.6	24
122	Impact of kinetic mass transfer on free convection in a porous medium. <i>Water Resources Research</i> , 2016, 52, 3637-3653.	4.2	24
123	A conjunctive management framework for the optimal design of pumping and injection strategies to mitigate seawater intrusion. <i>Journal of Environmental Management</i> , 2021, 282, 111964.	7.8	24
124	Assessing catchment-scale spatial and temporal patterns of groundwater and stream salinity. <i>Hydrogeology Journal</i> , 2006, 14, 1339-1359.	2.1	23
125	Salinization risk in semi-arid floodplain wetlands subjected to engineered wetting and drying cycles. <i>Hydrological Processes</i> , 2009, 23, 3440-3452.	2.6	23
126	Maximizing Net Extraction Using an Injection-Extraction Well Pair in a Coastal Aquifer. <i>Ground Water</i> , 2013, 51, 219-228.	1.3	23

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127	On the interpretation of coastal aquifer water level trends and water balances: A precautionary note. <i>Journal of Hydrology</i> , 2012, 470-471, 280-288.	5.4	23
128	Threats to coastal aquifers. <i>Nature Climate Change</i> , 2013, 3, 605-605.	18.8	23
129	On variable density surface water-groundwater interaction: A theoretical analysis of mixed convection in a stably-stratified fresh surface water saline groundwater discharge zone. <i>Journal of Hydrology</i> , 2006, 329, 390-402.	5.4	22
130	Examination and parameterization of the root water uptake model from stem water potential and sap flow measurements. <i>Hydrological Processes</i> , 2013, 27, 2857-2863.	2.6	22
131	Spring hydrograph simulation of karstic aquifers: Impacts of variable recharge area, intermediate storage and memory effects. <i>Journal of Hydrology</i> , 2017, 552, 225-240.	5.4	22
132	Double-diffusive convection in groundwater wells. <i>Water Resources Research</i> , 2007, 43, .	4.2	21
133	Is in situ stress important to groundwater flow in shallow fractured rock aquifers?. <i>Journal of Hydrology</i> , 2011, 399, 185-200.	5.4	21
134	Canopy enhanced chloride deposition in coastal South Australia and its application for the chloride mass balance method. <i>Journal of Hydrology</i> , 2013, 497, 62-70.	5.4	21
135	Finite volume coupling strategies for the solution of a Biot consolidation model. <i>Computers and Geotechnics</i> , 2014, 55, 494-505.	4.7	21
136	Root-zone moisture replenishment in a native vegetated catchment under Mediterranean climate. <i>Hydrological Processes</i> , 2019, 33, 2394-2407.	2.6	21
137	Toward the Use of the MODIS ET Product to Estimate Terrestrial GPP for Nonforest Ecosystems. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1624-1628.	3.1	20
138	Beyond hydrogeologic evidence: challenging the current assumptions about salinity processes in the Corangamite region, Australia. <i>Hydrogeology Journal</i> , 2008, 16, 1283-1298.	2.1	19
139	Fully integrated modeling of surface-subsurface solute transport and the effect of dispersion in tracer hydrograph separation. <i>Water Resources Research</i> , 2014, 50, 7750-7765.	4.2	19
140	Electrical imaging and fluid modeling of convective fingering in a shallow water-table aquifer. <i>Water Resources Research</i> , 2014, 50, 954-968.	4.2	19
141	Numerical investigation of coupled density-driven flow and hydrogeochemical processes below playas. <i>Water Resources Research</i> , 2015, 51, 9338-9352.	4.2	19
142	On the limits of heat as a tracer to estimate reach-scale river-aquifer exchange flux. <i>Water Resources Research</i> , 2015, 51, 7401-7416.	4.2	19
143	An exploration of coupled surface-subsurface solute transport in a fully integrated catchment model. <i>Journal of Hydrology</i> , 2015, 529, 969-979.	5.4	19
144	Uncertainty quantification and global sensitivity analysis of double-diffusive natural convection in a porous enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2020, 162, 120291.	4.8	19

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145	Worth of hydraulic and water chemistry observation data in terms of the reliability of surface water-groundwater exchange flux predictions under varied flow conditions. <i>Journal of Hydrology</i> , 2020, 590, 125441.	5.4	18
146	Variable-density groundwater flow and solute transport in fractured rock: Applicability of the <i>Tang et al.</i> [1981] analytical solution. <i>Water Resources Research</i> , 2009, 45, .	4.2	17
147	Salinity dynamics of discharge lakes in dune environments: Conceptual model. <i>Water Resources Research</i> , 2010, 46, .	4.2	17
148	Tracer adsorption in sand-tank experiments of saltwater up-coning. <i>Journal of Hydrology</i> , 2012, 414-415, 476-481.	5.4	17
149	A Correction on Coastal Heads for Groundwater Flow Models. <i>Ground Water</i> , 2015, 53, 164-170.	1.3	17
150	A Generalized Semi-Analytical Solution for the Dispersive Henry Problem: Effect of Stratification and Anisotropy on Seawater Intrusion. <i>Water (Switzerland)</i> , 2018, 10, 230.	2.7	17
151	Lessons from 10 Years of Experience with Australia's Risk-Based Guidelines for Managed Aquifer Recharge. <i>Water (Switzerland)</i> , 2020, 12, 537.	2.7	17
152	The Effect of Strong Heterogeneity on the Onset of Convection in a Porous Medium: Periodic and Localized Variation. <i>Transport in Porous Media</i> , 2010, 81, 123-139.	2.6	16
153	Validity and slopes of the linear equation of state for natural brines in salt lake systems. <i>Journal of Hydrology</i> , 2015, 523, 190-195.	5.4	16
154	Assessment of the internal dynamics of the Australian Water Balance Model under different calibration regimes. <i>Environmental Modelling and Software</i> , 2015, 66, 57-68.	4.5	16
155	Controls on Interactions Between Surface Water, Groundwater, and Riverine Vegetation Along Intermittent Rivers and Ephemeral Streams in Arid Regions. <i>Water Resources Research</i> , 2021, 57, e2020WR028429.	4.2	16
156	Convective-reactive transport of dissolved CO ₂ in fractured-geological formations. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103365.	4.6	16
157	Updating the Debate on Model Complexity. <i>GSA Today</i> , 2012, 22, 28-29.	2.0	16
158	Impacts of groundwater depth on regional scale soil gleyization under changing climate in the Poyang Lake Basin, China. <i>Journal of Hydrology</i> , 2019, 568, 501-516.	5.4	15
159	A probabilistic framework for water budget estimation in low runoff regions: A case study of the central Basin of Iran. <i>Journal of Hydrology</i> , 2020, 586, 124898.	5.4	15
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