

# Young-Jin Park

## List of Publications by Year in descending order

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30  
papers

1,079  
citations

430874

18  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface–subsurface model intercomparison: A first set of benchmark results to diagnose integrated hydrology and feedbacks. <i>Water Resources Research</i> , 2014, 50, 1531-1549.	4.2	222
2	The integrated hydrologic model intercomparison project, <sc>IH–MIP2</sc>: A second set of benchmark results to diagnose integrated hydrology and feedbacks. <i>Water Resources Research</i> , 2017, 53, 867-890.	4.2	113
3	Simulating complex flow and transport dynamics in an integrated surface-subsurface modeling framework. <i>Geosciences Journal</i> , 2008, 12, 107-122.	1.2	75
4	Transport and intersection mixing in random fracture networks with power law length distributions. <i>Water Resources Research</i> , 2001, 37, 2493-2501.	4.2	74
5	Transient hydraulic tomography in a fractured dolostone: Laboratory rock block experiments. <i>Water Resources Research</i> , 2012, 48, .	4.2	54
6	Simulating Climate Change Impacts on Surface Water Resources Within a Lake–Affected Region Using Regional Climate Projections. <i>Water Resources Research</i> , 2019, 55, 130-155.	4.2	46
7	Effects of junction transfer characteristics on transport in fracture networks. <i>Water Resources Research</i> , 2001, 37, 909-923.	4.2	45
8	Transport behavior in three-dimensional fracture intersections. <i>Water Resources Research</i> , 2003, 39, .	4.2	42
9	Analytical solutions for solute transfer characteristics at continuous fracture junctions. <i>Water Resources Research</i> , 1999, 35, 1531-1537.	4.2	40
10	Evaluating Climate Change Impacts on Soil Moisture and Groundwater Resources Within a Lake–Affected Region. <i>Water Resources Research</i> , 2019, 55, 8142-8163.	4.2	37
11	Dual permeability modeling of tile drain management influences on hydrologic and nutrient transport characteristics in macroporous soil. <i>Journal of Hydrology</i> , 2016, 535, 392-406.	5.4	36
12	Ambiguous Hydraulic Heads and <sup>14</sup> C Activities in Transient Regional Flow. <i>Ground Water</i> , 2010, 48, 366-379.	1.3	32
13	Integrated Surface and Subsurface Hydrological Modeling with Snowmelt and Pore Water Freeze–Thaw. <i>Ground Water</i> , 2019, 57, 63-74.	1.3	32
14	Understanding the water balance paradox in the Athabasca River Basin, Canada. <i>Hydrological Processes</i> , 2018, 32, 729-746.	2.6	30
15	Numerical simulation of DNAPL emissions and remediation in a fractured dolomitic aquifer. <i>Journal of Contaminant Hydrology</i> , 2012, 136-137, 56-71.	3.3	29
16	Simulating the pre-development hydrologic conditions in the San Joaquin Valley, California. <i>Journal of Hydrology</i> , 2011, 411, 322-330.	5.4	23
17	Factors affecting the hydraulic performance of infiltration based SUDS in clay. <i>Urban Water Journal</i> , 2017, 14, 125-133.	2.1	20
18	Implicit Subtime Stepping for Solving Nonlinear Flow Equations in an Integrated Surface–Subsurface System. <i>Vadose Zone Journal</i> , 2009, 8, 825-836.	2.2	19

#	ARTICLE	IF	CITATIONS
19	Estimating cumulative wastewater treatment plant discharge influences on acesulfame and Escherichia coli in a highly impacted watershed with a fully-integrated modelling approach. <i>Water Research</i> , 2019, 157, 647-662.	11.3	17
20	Influence of Fracture Connectivity and Characterization Level on the Uncertainty of the Equivalent Permeability in Statistically Conceptualized Fracture Networks. <i>Transport in Porous Media</i> , 2011, 87, 385-395.	2.6	16
21	Three-dimensional hydraulic tomography analysis of long-term municipal wellfield operations: Validation with synthetic flow and solute transport data. <i>Journal of Hydrology</i> , 2020, 590, 125438.	5.4	16
22	Dual-permeability modeling of preferential flow and snowmelt partitioning in frozen soils. <i>Vadose Zone Journal</i> , 2021, 20, e20101.	2.2	15
23	A generalized transformation approach for simulating steady-state variably-saturated subsurface flow. <i>Advances in Water Resources</i> , 2008, 31, 313-323.	3.8	13
24	Effects of Highly Permeable Geological Discontinuities upon Groundwater Productivity and Well Yield. <i>Mathematical Geosciences</i> , 2000, 32, 605-618.	0.9	10
25	Natural Stimuli Calibration with Fining Direction Regularization in an Integrated Hydrologic Model. <i>Ground Water</i> , 2019, 57, 21-35.	1.3	6
26	Modeling shallow ground temperatures around hot buried pipelines in cold regions. <i>Cold Regions Science and Technology</i> , 2021, 187, 103295.	3.5	6
27	Efficient numerical incorporation of water management operations in integrated hydrosystem models: Application to tile drainage and reservoir operating systems. <i>Journal of Hydrology</i> , 2019, 575, 1253-1266.	5.4	5
28	Analytical Approach to Estimate Salt Release from Tailings Sand Hummocks in Oil Sands Mine Closure. <i>Mine Water and the Environment</i> , 2018, 37, 673-685.	2.0	3
29	Analytical and Numerical Modeling of Solute Intrusion, Recovery, and Rebound in Fractured Bedrock. <i>Ground Water</i> , 2020, 58, 56-69.	1.3	2
30	Integrated surface-subsurface water and solute modeling of a reclaimed in-pit oil sands mine: Effects of ground freezing and thawing. <i>Journal of Hydrology: Regional Studies</i> , 2022, 39, 100975.	2.4	1