

# Anton Kruger

## List of Publications by Year in descending order

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29  
papers

692  
citations

840776

11  
h-index

1058476

14  
g-index

29  
all docs

29  
docs citations

29  
times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Flood Forecasting and Information System for the State of Iowa. Bulletin of the American Meteorological Society, 2017, 98, 539-554.	3.3	153
2	Flow measurement in streams using video imagery. Water Resources Research, 2002, 38, 51-1-51-8.	4.2	90
3	Towards better utilization of NEXRAD data in hydrology: an overview of Hydro-NEXRAD. Journal of Hydroinformatics, 2011, 13, 255-266.	2.4	70
4	Spectral Super-Resolution With Prior Knowledge. IEEE Transactions on Signal Processing, 2015, 63, 5342-5357.	5.3	58
5	Radar-rainfall estimation algorithms of Hydro-NEXRAD. Journal of Hydroinformatics, 2011, 13, 277-291.	2.4	48
6	RF communications in underwater wireless sensor networks. , 2010, , .		44
7	Bridge-Mounted River Stage Sensors (BMRSS). IEEE Access, 2016, 4, 8948-8966.	4.2	38
8	Optimizing Wireless Power Transfer From Multiple Transmit Coils. IEEE Access, 2018, 6, 23828-23838.	4.2	33
9	Hydro-NEXRAD-2: real-time access to customized radar-rainfall for hydrologic applications. Journal of Hydroinformatics, 2013, 15, 580-590.	2.4	19
10	Archival precipitation data set for the Mississippi River Basin: Algorithm development. Journal of Geophysical Research, 2003, 108, .	3.3	18
11	Lidar-Based Estimation of Small-Scale Rainfall: Empirical Evidence. Journal of Atmospheric and Oceanic Technology, 2009, 26, 656-664.	1.3	16
12	An energy harvesting scheme for underwater sensor applications. , 2012, , .		16
13	Experimental demonstration of retrodirective beamforming from a fully wireless distributed array. , 2016, , .		16
14	Hydro-NEXRAD: metadata computation and use. Journal of Hydroinformatics, 2011, 13, 267-276.	2.4	15
15	Using Cellular Network Signal Strength to Monitor Vegetation Characteristics. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 346-349.	3.1	10
16	A Robust Microwave Rain Gauge. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2204-2210.	4.7	9
17	Off-the-grid spectral compressed sensing with prior information. , 2014, , .		9
18	Next generation system for real-time monitoring of rainfall, soil moisture, and soil temperature. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	Embedded electronics for a mussel-based biological sensor. , 2013, , .		8
20	Design considerations and signal processing for a microwave rain gauge sensor. , 2012, , .		3
21	Curved spiral antennas for freshwater applications. , 2015, , .		3
22	Magnetic tweezers with magnetic flux density feedback control. Review of Scientific Instruments, 2021, 92, 034101.	1.3	3
23	Environmental sensor network data packaging and transmission via cellular networks. , 2011, , .		2
24	Wired-FM, a novel distributed digital single-wire field bus. , 2012, , .		2
25	Experimental demonstration of nullforming from a fully wireless distributed array. , 2017, , .		1
26	Poster abstract: Cybermussels: A biological sensor network using freshwater mussels. , 2012, , .		0
27	Automated sensor for flowering and vegetative budburst. , 2013, , .		0
28	Underwater Deployment and Performance of Curved Spiral Antennas in Mussel Backpacks. , 2019, , .		0
29	10.1063/5.0039696.1. , 2021, , .		0