Baozhang Chen

List of Publications by Year
in descending order

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45 papers	1,221 citations	430874 18 h-index	377865 34 g-index
45 all docs	45 docs citations	45 times ranked	1529 citing authors

#	Article	IF	Citations
1	Spatial and temporal variations in the end date of the vegetation growing season throughout the Qinghaiâ€“Tibetan Plateau from 1982 to 2011. Agricultural and Forest Meteorology, 2014, 189-190, 81-90.	4.8	140
2	Changes in vegetation photosynthetic activity trends across the Asiaâ€“Pacific region over the last three decades. Remote Sensing of Environment, 2014, 144, 28-41.	11.0	140
3	Changes in Vegetation Growth Dynamics and Relations with Climate over Chinaâ€™s Landmass from 1982 to 2011. Remote Sensing, 2014, 6, 3263-3283.	4.0	133
4	Spatio-temporal variations in water use efficiency and its drivers in China over the last three decades. Ecological Indicators, 2018, 94, 292-304.	6.3	82
5	Remote sensing-based ecosystemâ€“atmosphere simulation scheme (EASS)â€”Model formulation and test with multiple-year data. Ecological Modelling, 2007, 209, 277-300.	2.5	67
6	Spatio-Temporal Analysis of Vegetation Dynamics as a Response to Climate Variability and Drought Patterns in the Semiarid Region, Eritrea. Remote Sensing, 2019, 11, 724.	4.0	61
7	Interannual variability of the carbon balance of three differentâ€aged Douglasâ€fir stands in the Pacific Northwest. Journal of Geophysical Research, 2009, 114, .	3.3	52
8	Seasonal controls on interannual variability in carbon dioxide exchange of a nearâ€endâ€of rotation Douglasâ€fir stand in the Pacific Northwest, 1997â€“2006. Global Change Biology, 2009, 15, 1962-1981.	9.5	39
9	Comparison of terrestrial evapotranspiration estimates using the mass transfer and Penmanâ€Monteith equations in land surface models. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1715-1731.	3.0	35
10	Global Revisit Interval Analysis of Landsat-8 -9 and Sentinel-2A -2B Data for Terrestrial Monitoring. Sensors, 2020, 20, 6631.	3.8	35
11	Assessing the Spatiotemporal Variation and Impact Factors of Net Primary Productivity in China. Scientific Reports, 2017, 7, 44415.	3.3	34
12	Modeling Evapotranspiration over Chinaâ€™s Landmass from 1979 to 2012 Using Multiple Land Surface Models: Evaluations and Analyses. Journal of Hydrometeorology, 2017, 18, 1185-1203.	1.9	31
13	Large influence of atmospheric vapor pressure deficit on ecosystem production efficiency. Nature Communications, 2022, 13, 1653.	12.8	31
14	Improving soil organic carbon parameterization of land surface model for cold regions in the Northeastern Tibetan Plateau, China. Ecological Modelling, 2016, 330, 1-15.	2.5	25
15	Spatiotemporal shifts in thermal climate in responses to urban cover changes: a-case analysis of major cities in Punjab, Pakistan. Geomatics, Natural Hazards and Risk, 2021, 12, 763-793.	4.3	25
16	Response of Gross Primary Productivity to Drought Timeâ€Scales Across China. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005953.	3.0	21
17	Modeling to discern nitrogen fertilization impacts on carbon sequestration in a Pacific Northwest Douglas-fir forest in the first-postfertilization year. Global Change Biology, 2011, 17, 1442-1460.	9.5	19
18	A New Equation for Deriving Vegetation Phenophase from Time Series of Leaf Area Index (LAI) Data. Remote Sensing, 2014, 6, 5650-5670.	4.0	19

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19	An atmospheric perspective on the carbon budgets of terrestrial ecosystems in China: progress and challenges. Science Bulletin, 2021, 66, 1713-1718.	9.0	19
20	A Bayesian Based Method to Generate a Synergetic Land-Cover Map from Existing Land-Cover Products. Remote Sensing, 2014, 6, 5589-5613.	4.0	18
21	Improving PM2.5 Forecasting and Emission Estimation Based on the Bayesian Optimization Method and the Coupled FLEXPART-WRF Model. Atmosphere, 2018, 9, 428.	2.3	16
22	Multimodelâ€based analyses of evapotranspiration and its controls in China over the last three decades. Ecohydrology, 2020, 13, e2195.	2.4	16
23	Land Use/Land Cover Changes and Associated Impacts on Water Yield Availability and Variations in the Merebâ€Gash River Basin in the Horn of Africa. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005632.	3.0	15
24	Solar-induced chlorophyll fluorescence as an indicator for determining the end date of the vegetation growing season. Ecological Indicators, 2020, 109, 105755.	6.3	14
25	A new approach combining a simplified FLEXPART model and a Bayesian-RAT method for forecasting PM10 and PM2.5. Environmental Science and Pollution Research, 2020, 27, 2165-2183.	5.3	13
26	Assessment of Vegetation Dynamics and Ecosystem Resilience in the Context of Climate Change and Drought in the Horn of Africa. Remote Sensing, 2021, 13, 1668.	4.0	13
27	Satellite-observed changes in terrestrial vegetation growth trends across the Asia-Pacific region associated with land cover and climate from 1982 to 2011. International Journal of Digital Earth, 2016, 9, 1055-1076.	3.9	12
28	Water Use Efficiencyâ€Based Multiscale Assessment of Ecohydrological Resilience to Ecosystem Shifts Over the Continent of Africa During 1992â€“2015. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005749.	3.0	10
29	Towards Understanding Variability in Droughts in Response to Extreme Climate Conditions over the Different Agro-Ecological Zones of Pakistan. Sustainability, 2021, 13, 6910.	3.2	10
30	Development of a GIS based hazard, exposure, and vulnerability analyzing method for monitoring drought risk at Karachi, Pakistan. Geomatics, Natural Hazards and Risk, 2022, 13, 1700-1720.	4.3	10
31	Spatiotemporal variations of forest ecohydrological characteristics in the Lancang-Mekong region during 1992-2016 and 2020-2099 under different climate scenarios. Agricultural and Forest Meteorology, 2021, 310, 108662.	4.8	9
32	Comparing simulated atmospheric carbon dioxide concentration with GOSAT retrievals. Science Bulletin, 2015, 60, 380-386.	9.0	8
33	Comparison of remotely-sensed and modeled soil moisture using CLM4.0 with in situ measurements in the central Tibetan Plateau area. Cold Regions Science and Technology, 2016, 129, 31-44.	3.5	8
34	Spatially explicit and multiscale ecosystem shift probabilities and risk severity assessments in the greater Mekong subregion over three decades. Science of the Total Environment, 2021, 798, 149281.	8.0	7
35	Ambient temperatures associated with increased risk of motor vehicle crashes in New York and Chicago. Science of the Total Environment, 2022, 830, 154731.	8.0	7
36	Soil Moisture Retrieval over a Semiarid Area by Means of PCA Dimensionality Reduction. Canadian Journal of Remote Sensing, 2016, 42, 136-144.	2.4	5

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37	Patterns for Populus spp. Stand Biomass in Gradients of Winter Temperature and Precipitation of Eurasia. Forests, 2020, 11, 906.	2.1	5
38	Research on Land Surface Thermal-Hydrologic Exchange in Southern China under Future Climate and Land Cover Scenarios. Advances in Meteorology, 2013, 2013, 1-12.	1.6	4
39	Prediction and Source Contribution Analysis of PM2.5 Using a Combined FLEXPART Model and Bayesian Method over the Beijing-Tianjin-Hebei Region in China. Atmosphere, 2021, 12, 860.	2.3	3
40	Spatiotemporal Variation in Gross Primary Productivity and Their Responses to Climate in the Great Lakes Region of Sub-Saharan Africa during 2001â€“2020. Sustainability, 2022, 14, 2610.	3.2	3
41	A regional data assimilation system for estimating CO surface flux from atmospheric mixing ratio observationsâ€”a case study of Xuzhou, China. Environmental Science and Pollution Research, 2019, 26, 8748-8757.	5.3	2
42	Optimal Solar Zenith Angle Definition for Combined Landsat-8 and Sentinel-2A/2B Data Angular Normalization Using Machine Learning Methods. Remote Sensing, 2021, 13, 2598.	4.0	2
43	Evaluation the WRF Model with Different Land Surface Schemes: Heat Wave Event Simulations and Its Relation to Pacific Variability over Coastal Region, Karachi, Pakistan. Sustainability, 2021, 13, 12608.	3.2	2
44	Characteristics of Î´D and Î´18O of Reclaimed Mine Soil Water Profile and Its Source Water Bodies in a Coal Mining Subsidence Area with High Groundwater Levelâ€”A Case Study from the Longdong Coal Mining Subsidence Area in Jiangsu Province, China. Water (Switzerland), 2020, 12, 274.	2.7	1
45	Spatially Explicit Modeling of Coupled Water and Carbon Processes Using a Distributed Ecohydrological Model in the Upper Heihe Watershed, China. Water (Switzerland), 2019, 11, 1242.	2.7	0