Xiaobing Zhou

List of Publications by Year
in descending order

42 papers	1,015 citations	471061 17 h-index	433756 31 g-index
43 all docs	43 docs citations	43 times ranked	1221 citing authors

#	ARTICLE	IF	CITATIONS
1	Tempo-differentially selected growth rate model development and improved extraction of remotely sensed phenology in the Qinghaiâ€"Tibet Plateau. Journal of Applied Remote Sensing, 2022, 16, .	0.6	1
2	The Potential of Sentinel-1A Data for Identification of Debris-Covered Alpine Glacier Based on Machine Learning Approach. Remote Sensing, 2022, 14, 1980.	1.8	1
3	Forest Fire Monitoring and Positioning Improvement at Subpixel Level: Application to Himawari-8 Fire Products. Remote Sensing, 2022, 14, 2460.	1.8	1
4	Development of a low-cost UAV-based system for CH_4 monitoring over oil fields. Environmental Technology (United Kingdom), 2021, 42, 3154-3163.	1.2	7
5	A novel denoising algorithm for medical images based on the nonâ€convex nonâ€local similar adaptive regularization. IET Image Processing, 2021, 15, 1702-1711.	1.4	1
6	Reconstruction of Snow Depth Data at Moderate Spatial Resolution (1 km) from Remotely Sensed Snow Data and Multiple Optimized Environmental Factors: A Case Study over the Qinghai-Tibetan Plateau. Remote Sensing, 2021, 13, 657.	1.8	11
7	Atmospheric NO2 Distribution Characteristics and Influencing Factors in Yangtze River Economic Belt: Analysis of the NO2 Product of TROPOMI/Sentinel-5P. Atmosphere, 2021, 12, 1142.	1.0	8
8	Identification of Alpine Glaciers in the Central Himalayas Using Fully Polarimetric L-Band SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 691-703.	2.7	11
9	Construction of a Fluxgate Magnetic Gradiometer for Integration with an Unmanned Aircraft System. Remote Sensing, 2020, 12, 2551.	1.8	9
10	Local segmentation of images using an improved fuzzy C-means clustering algorithm based on self-adaptive dictionary learning. Applied Soft Computing Journal, 2020, 91, 106200.	4.1	45
11	Dynamic Changes of NDVI in the Growing Season of the Tibetan Plateau During the Past 17 Years and Its Response to Climate Change. International Journal of Environmental Research and Public Health, 2019, 16, 3452.	1.2	34
12	A Novel Inpainting Algorithm for Recovering Landsat-7 ETM+ SLC-OFF Images Based on the Low-Rank Approximate Regularization Method of Dictionary Learning With Nonlocal and Nonconvex Models. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6741-6754.	2.7	15
13	The vertical influence of temperature and precipitation on snow cover variability in the Central Tianshan Mountains, Northwest China. Hydrological Processes, 2019, 33, 1686-1697.	1.1	19
14	The variation of vegetation productivity and its relationship to temperature and precipitation based on the GLASS-LAI of different African ecosystems from 1982 to 2013. International Journal of Biometeorology, 2019, 63, 847-860.	1.3	14
15	Quantification of water and exposed lined areas of coal-bed methane water ponds using regular true-color images by developing a novel uniformness based multi-component algorithm. Journal of Hydrology, 2019, 572, 645-658.	2.3	1
16	Interannual variation in the start of vegetation growing season and its response to climate change in the Qinghaiâ€"Tibet Plateau derived from MODIS data during 2001 to 2016. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	8
17	Image segmentation based on an active contour model of partial image restoration with local cosine fitting energy. Information Sciences, 2018, 447, 52-71.	4.0	42
18	Monitoring land deformation in Changzhou city (China) with multi-band InSAR data sets from 2006 to 2012. International Journal of Remote Sensing, 2018, 39, 1151-1174.	1.3	11

#	Article	IF	Citations
19	A progressive segmented optimization algorithm for calibrating time-variant parameters of the snowmelt runoff model (SRM). Journal of Hydrology, 2018, 566, 470-483.	2.3	16
20	Variations in the extent and elevation of the Larsen A and B ice shelves, Antarctica, derived from multiple datasets. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	2
21	Vertical distribution of snow cover and its relation to temperature over the Manasi River Basin of Tianshan Mountains, Northwest China. Journal of Chinese Geography, 2017, 27, 403-419.	1.5	13
22	Assessment and adjustment of sea surface salinity products from Aquarius in the southeast Indian Ocean based on in situ measurement and MyOcean modeled data. Acta Oceanologica Sinica, 2016, 35, 54-62.	0.4	2
23	Surface velocity estimations of ice shelves in the northern Antarctic Peninsula derived from MODIS data. Journal of Chinese Geography, 2016, 26, 243-256.	1.5	13
24	Bulk electric conductivity response to soil and rock CO_2 concentration during controlled CO_2 release experiments: Observations and analytic modeling. Geophysics, 2015, 80, E293-E308.	1.4	2
25	Physiological responses of dandelion and orchard grass leaves to experimentally released upwelling soil CO_2. International Journal of Greenhouse Gas Control, 2014, 24, 139-148.	2.3	13
26	Impact of the construction of a large dam on riparian vegetation cover at different elevation zones as observed from remotely sensed data. International Journal of Applied Earth Observation and Geoinformation, 2014, 32, 19-34.	1.4	28
27	Gravity inversion of 2D bedrock topography for heterogeneous sedimentary basins based on line integral and maximum difference reduction methods. Geophysical Prospecting, 2013, 61, 220-234.	1.0	26
28	Observed response of soil O_2 concentration to leaked CO_2 from an engineered CO_2 leakage experiment. International Journal of Greenhouse Gas Control, 2013, 16, 116-128.	2.3	33
29	Algorithm for the retrieval of soil moisture from the radar backscattering coefficient. HKIE Transactions, 2013, 20, 124-132.	1.9	1
30	Experimental observation of signature changes in bulk soil electrical conductivity in response to engineered surface CO_2 leakage. International Journal of Greenhouse Gas Control, 2012, 7, 20-29.	2.3	19
31	Analytic solution of the gravity anomaly of irregular 2D masses with density contrast varying as a 2D polynomial function. Geophysics, 2010, 75, I11-I19.	1.4	31
32	Studying the vegetation response to simulated leakage of sequestered CO_2 using spectral vegetation indices. Ecological Informatics, 2010, 5, 379-389.	2.3	46
33	Applications of SAR Interferometry in Earth and Environmental Science Research. Sensors, 2009, 9, 1876-1912.	2.1	136
34	On "Gravity anomalies of 2D bodies with variable density contrast"().. Geophysics, 2009, 74, X3-X4.	1.4	1
35	General line integrals for gravity anomalies of irregular 2D masses with horizontally and vertically dependent density contrast. Geophysics, 2009, 74, I1-I7.	1.4	25
36	Investigation of broadband power amplifier with high power-combining efficiency. Microwave and Optical Technology Letters, 2008, 50, 2178-2181.	0.9	9

#	Article	IF	Citations
37	Short-term streamflow forecasting with global climate change implications â€" A comparative study between genetic programming and neural network models. Journal of Hydrology, 2008, 352, 336-354.	2.3	126
38	Albedo of summer snow on sea ice, Ross Sea, Antarctica. Journal of Geophysical Research, 2007, 112, .	3.3	9
39	Statistical evaluation of remotely sensed snow-cover products with constraints from streamflow and SNOTEL measurements. Remote Sensing of Environment, 2005, 94, 214-231.	4.6	129
40	Modelling and measuring the spectral bidirectional reflectance factor of snow-covered sea ice: an intercomparison study. Hydrological Processes, 2004, 18, 3559-3581.	1.1	26
41	Effects of vertical inhomogeneity on snow spectral albedo and its implication for optical remote sensing of snow. Journal of Geophysical Research, 2003, 108, .	3.3	41
42	Geometrical-optics code for computing the optical properties of large dielectric spheres. Applied Optics, 2003, 42, 4295.	2.1	29