

Xing Fang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

679
citations

687363

13
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Weighted total least squares: necessary and sufficient conditions, fixed and random parameters. <i>Journal of Geodesy</i> , 2013, 87, 733-749.	3.6	110
2	Combining Pixel- and Object-Based Machine Learning for Identification of Water-Body Types From Urban High-Resolution Remote-Sensing Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2097-2110.	4.9	100
3	Weighted total least-squares with constraints: a universal formula for geodetic symmetrical transformations. <i>Journal of Geodesy</i> , 2015, 89, 459-469.	3.6	95
4	A structured and constrained Total Least-Squares solution with cross-covariances. <i>Studia Geophysica Et Geodaetica</i> , 2014, 58, 1-16.	0.5	60
5	On non-combinatorial weighted total least squares with inequality constraints. <i>Journal of Geodesy</i> , 2014, 88, 805-816.	3.6	52
6	A total least squares solution for geodetic datum transformations. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 189-207.	1.6	48
7	A novel water index for urban high-resolution eight-band WorldView-2 imagery. <i>International Journal of Digital Earth</i> , 2016, 9, 925-941.	3.9	45
8	Long-term behavior and statistical characterization of BeiDou signal-in-space errors. <i>GPS Solutions</i> , 2017, 21, 1907-1922.	4.3	37
9	Spatiotemporal change patterns of urban lakes in China's major cities between 1990 and 2015. <i>International Journal of Digital Earth</i> , 2018, 11, 1085-1102.	3.9	21
10	Bayesian inference for the Errors-In-Variables model. <i>Studia Geophysica Et Geodaetica</i> , 2017, 61, 35-52.	0.5	20
11	Comparison of Structured and Weighted Total Least-Squares Adjustment Methods for Linearly Structured Errors-in-Variables Models. <i>Journal of Surveying Engineering, - ASCE</i> , 2017, 143, .	1.7	19
12	On the errors-in-variables model with equality and inequality constraints for selected numerical examples. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 515-525.	1.6	17
13	On total least squares for quadratic form estimation. <i>Studia Geophysica Et Geodaetica</i> , 2015, 59, 366-379.	0.5	16
14	A dual quaternion algorithm of the Helmert transformation problem. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	14
15	A universally efficient algorithm and precision assessment for seamless 3D similarity transformation. <i>Measurement Science and Technology</i> , 2020, 31, 105006.	2.6	9
16	General Total Least Squares Theory for Geodetic Coordinate Transformations. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2598.	2.5	7
17	Weighted geometric circle fitting for the Brogar Ring: Parameter-free approach and bias analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 192, 110832.	5.0	4
18	TLS-bridged co-prediction of tree-level multifarious stem structure variables from worldview-2 panchromatic imagery: a case study of the boreal forest. <i>International Journal of Digital Earth</i> , 2017, 10, 701-718.	3.9	3

#	ARTICLE	IF	CITATIONS
19	Data Snooping for the Equality Constrained Nonlinear Gauss-Helmert Model Using Sensitivity Analysis. Journal of Surveying Engineering, - ASCE, 2020, 146, .	1.7	2
20	Accurate coupled lines fitting in an errors-in-variables framework. Survey Review, 2018, 50, 386-396.	1.2	0