

Rajesh Bahadur Thapa

List of Publications by Year in descending order

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67
papers

2,351
citations

279798

23
h-index

243625

44
g-index

68
all docs

68
docs citations

68
times ranked

2904
citing authors

#	ARTICLE	IF	CITATIONS
1	New global forest/non-forest maps from ALOS PALSAR data (2007–2010). Remote Sensing of Environment, 2014, 155, 13-31.	11.0	463
2	Drivers of urban growth in the Kathmandu valley, Nepal: Examining the efficacy of the analytic hierarchy process. Applied Geography, 2010, 30, 70-83.	3.7	204
3	Land evaluation for peri-urban agriculture using analytical hierarchical process and geographic information system techniques: A case study of Hanoi. Land Use Policy, 2008, 25, 225-239.	5.6	154
4	Examining Spatiotemporal Urbanization Patterns in Kathmandu Valley, Nepal: Remote Sensing and Spatial Metrics Approaches. Remote Sensing, 2009, 1, 534-556.	4.0	141
5	Scenario based urban growth allocation in Kathmandu Valley, Nepal. Landscape and Urban Planning, 2012, 105, 140-148.	7.5	129
6	Arc fusion splicing of hollow-core photonic bandgap fibers for gas-filled fiber cells. Optics Express, 2006, 14, 9576.	3.4	109
7	Urban mapping, accuracy, & image classification: A comparison of multiple approaches in Tsukuba City, Japan. Applied Geography, 2009, 29, 135-144.	3.7	98
8	Urban growth modeling of Kathmandu metropolitan region, Nepal. Computers, Environment and Urban Systems, 2011, 35, 25-34.	7.1	98
9	Saturated absorption spectroscopy of acetylene gas inside large-core photonic bandgap fiber. Optics Letters, 2006, 31, 2489.	3.3	75
10	10 kHz accuracy of an optical frequency reference based on $^{12}\text{C}_2\text{H}_2$ -filled large-core kagome photonic crystal fibers. Optics Express, 2009, 17, 16017.	3.4	66
11	Potential of high-resolution ALOS PALSAR mosaic texture for aboveground forest carbon tracking in tropical region. Remote Sensing of Environment, 2015, 160, 122-133.	11.0	63
12	Mid-IR supercontinuum generation in ultra-low loss, dispersion-zero shifted tellurite glass fiber with extended coverage beyond 4.5 μm . Proceedings of SPIE, 2013, , .	0.8	62
13	Comparative Assessment of Supervised Classifiers for Land Use Land Cover Classification in a Tropical Region Using Time-Series PALSAR Mosaic Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1186-1199.	4.9	52
14	Low-loss, robust fusion splicing of silica to chalcogenide fiber for integrated mid-infrared laser technology development. Optics Letters, 2015, 40, 5074.	3.3	44
15	Kathmandu. Cities, 2008, 25, 45-57.	5.6	43
16	Detection of damaged urban areas using interferometric SAR coherence change with PALSAR-2. Earth, Planets and Space, 2016, 68, .	2.5	43
17	All-fiber fundamentally mode-locked 12 GHz laser oscillator based on an Er/Yb-doped phosphate glass fiber. Optics Letters, 2014, 39, 1418.	3.3	40
18	Synthesis of mesoporous birnessite-MnO ₂ composite as a cathode electrode for lithium battery. Electrochimica Acta, 2014, 116, 188-193.	5.2	35

#	ARTICLE	IF	CITATIONS
19	SAR interferometry using ALOS-2 PALSAR-2 data for the Mw 7.8 Gorkha, Nepal earthquake. Earth, Planets and Space, 2016, 68, .	2.5	34
20	Design and characteristics of a WEP test in a sounding-rocket payload. Classical and Quantum Gravity, 2012, 29, 184013.	4.0	33
21	The tropical forest in south east Asia: Monitoring and scenario modeling using synthetic aperture radar data. Applied Geography, 2013, 41, 168-178.	3.7	29
22	Polythiophene Mesoporous Birnessite-MnO ₂ /Pd Cathode Air Electrode for Rechargeable Li-Air Battery. Electrochimica Acta, 2014, 127, 410-415.	5.2	27
23	Evaluation of ALOS PALSAR sensitivity for characterizing natural forest cover in wider tropical areas. Remote Sensing of Environment, 2014, 155, 32-41.	11.0	27
24	Simultaneous comparison and assessment of eight remotely sensed maps of Philippine forests. International Journal of Applied Earth Observation and Geoinformation, 2018, 67, 123-134.	2.8	25
25	Review of infrared fiber-based components. Applied Optics, 2015, 54, F25.	2.1	24
26	Examining forest cover change and deforestation drivers in Taunggyi District, Shan State, Myanmar. Environment, Development and Sustainability, 2020, 22, 5521-5538.	5.0	21
27	Multidisciplinary Cooperation in GIS Education: A Case Study of US Colleges and Universities. Journal of Geography in Higher Education, 2010, 34, 493-509.	2.6	18
28	Calibration of Aboveground Forest Carbon Stock Models for Major Tropical Forests in Central Sumatra Using Airborne LiDAR and Field Measurement Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 661-673.	4.9	18
29	Subpicometer length measurement using semiconductor laser tracking frequency gauge. Optics Letters, 2011, 36, 3759.	3.3	17
30	Multitemporal Fluctuations in L-Band Backscatter From a Japanese Forest. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5799-5813.	6.3	17
31	Spatial Analysis and Modeling in Geographical Transformation Process. Geospatial Technology and the Role of Location in Science, 2011, , .	0.5	16
32	Low loss, wide transparency, robust tellurite glass fibers for mid-IR (2 - 5 $\hat{1}$ / ₄ m) applications. Proceedings of SPIE, 2013, , .	0.8	15
33	A quick test of the WEP enabled by a sounding rocket. Classical and Quantum Gravity, 2011, 28, 094014.	4.0	12
34	Pi-SAR-L2 Observation of the Landslide Caused by Typhoon Wipha on Izu Oshima Island. Remote Sensing, 2016, 8, 282.	4.0	10
35	Stabilization of a self-referenced, prism-based, Cr:forsterite laser frequency comb using an intracavity prism. Applied Optics, 2009, 48, 6980.	2.1	7
36	Towards all-fiber optical coolers using Tm-doped glass fibers. Proceedings of SPIE, 2013, , .	0.8	7

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37	Regioselectivity in free radical bromination of unsymmetrical dimethylated pyridines. Tetrahedron Letters, 2014, 55, 6743-6746.	1.4	7
38	Capacity Building Approach and Application: Utilization of Earth Observation Data and Geospatial Information Technology in the Hindu Kush Himalaya. Frontiers in Environmental Science, 2019, 7, .	3.3	7
39	Sea navigation, challenges and potentials in South East Asia: an assessment of suitable sites for a shipping canal in the South Thai Isthmus. Geo Journal, 2007, 70, 161-172.	3.1	6
40	Time-series maps of aboveground carbon stocks in the forests of central Sumatra. Carbon Balance and Management, 2015, 10, 23.	3.2	6
41	Preference for Sex of Children Among Women in Nepal. Global Social Welfare, 2019, 6, 69-78.	1.9	6
42	Synthesis of air-stable zwitterionic 2-phosphiniminium-arenesulfonates. Tetrahedron Letters, 2012, 53, 4832-4835.	1.4	5
43	Geographically Weighted Regression in Geospatial Analysis. , 2012, , 85-96.		5
44	Examining High-Resolution PISAR-L2 Textures for Estimating Tropical Forest Carbon Stocks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3202-3209.	4.9	5
45	Spectral hole burning of acetylene gas inside a photonic bandgap optical fiber. , 2005, , .		4
46	Dependency of forest biomass on full Polarimetric parameters obtained from L-band SAR data for a natural forest in Indonesia. , 2013, , .		4
47	Phase-stabilized Prism-based Cr:forsterite Laser Frequency Comb for Absolute Frequency Measurements. , 2007, , .		3
48	Land Use/Land Cover Mapping of an Alpine Region Using Expert System Classification: a Case Study Of The Lhasa River Basin, Tibetan Plateau, China. Survey Review, 2011, 43, 269-283.	1.2	3
49	Monitoring landscape change in Kathmandu metropolitan region using multi-temporal satellite imagery. , 2012, , .		3
50	Generation of the first PALSAR-2 global mosaic 2014/2015 and change detection between 2007 and 2015 using the PALSAR and PALSAR-2. , 2016, , .		3
51	Earth Observation Applications in the Hindu Kush Himalaya Regionâ€™Evolution and Adoptions. , 2021, , 1-22.		2
52	Reflected pump technique for saturated absorption spectroscopy inside photonic bandgap fibers. , 2007, , .		1
53	Weight of Evidence in Geospatial Analysis. , 2012, , 97-106.		1
54	Correlation between L-band SAR polarimetric parameters and LiDAR metrics over a forested area. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Emergency observation and disaster monitoring performed by ALOS-2 PALSAR-2. , 2016, , .		1
56	Strengthening the Capacity on Geospatial Information Technology and Earth Observation Applications. , 2021, , 269-289.		1
57	High-resolution satellite radar for mapping changes in global forest cover. SPIE Newsroom, 0, , .	0.1	1
58	Carrier-envelope offset frequency dynamics in a self-referenced prism-based Cr: forsterite frequency comb. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
59	Significant carrier envelope offset frequency linewidth narrowing in a prism-based Cr:forsterite frequency comb. , 2008, , .		0
60	All-fiber fundamentally mode locked 12 GHz laser comb for stable microwave generation. , 2013, , .		0
61	Monitoring deforestation trend and future outlooks of the aboveground forest carbon stocks in Central Sumatra using ALOS-PALSAR mosaic data. Proceedings of SPIE, 2014, , .	0.8	0
62	Texture analysis of PALSAR mosaics for forests carbon stock estimation in central Sumatra. , 2015, , .		0
63	Stability of an Acetylene Frequency Reference inside Kagome Structured Hollow-Core Photonic Crystal Fiber. , 2009, , .		0
64	WEAK EQUIVALENCE PRINCIPLE TEST ON A SOUNDING ROCKET. , 2010, , .		0
65	Urban Growth Modeling Using the Bayesian Probability Function. , 2012, , 197-214.		0
66	Kathmandu Metropolitan Area. Urban Book Series, 2017, , 217-237.	0.6	0
67	Factors determining English test score of high school students in rural Nepal. International Journal of Research Studies in Education, 2017, 7, .	0.1	0