

Supplementary Materials

A full list of the 108 articles extracted from the four databases, including the author's name, the journal's name, and the year.

Table S1. The 108 articles extracted from WoS, IEEE, Scopus and Google scholar.

Authors	Journal Name	Year
Ali, I; Barrett, B; Cawkwell, F; Green, S; Dwyer, E; Neumann, M	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2017
Ali, I; Cawkwell, F; Dwyer, E; Green, S	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2016
An, N; Price, KP; Blair, JM	International Journal of Remote Sensing	2013
Bao, N; Li, W; Gu, X; Liu, Y	Remote Sensing	2019
Barrachina, M; Cristobal, J; Tulla, AF	International Journal of Applied Earth Observation and Geoinformation	2015
Braun, A; Wagner, J; Hochschild, V	Journal of Applied Remote Sensing	2018
Butterfield, HS; Malmstrom, CM	International Journal of Remote Sensing	2009
Chen, J; Gu, S; Shen, M; Tang, Y; Matsushita, B	International Journal of Remote Sensing	2009
Cho, MA; Skidmore, AK	International Journal of Remote Sensing	2013
Cicore, P; Serrano, J; Shahidian, S; Sousa A; Costa, JL; Da Silva, JRM	Environmental Monitoring and Assessment	2016
Cisneros, A; Fiorio, P; Menezes, P; Pasqualotto, N; Van Wittenberghe, S; Bayma, G; Nogueira, SF	Agronomy-Basel	2020
Clevers, JGPW; Van der Heijden, GWAM; Verzakov, S; Schaepman, ME	Photogrammetric Engineering & Remote Sensing	2007
Cooper, SD; Roy, DP; Schaaf, CB; Paynter, I	Remote Sensing	2017
Ding, L; Li, Z; Wang, X; Yan, R; Shen, B; Chen, B; Xin, X	Sensors	2019
Diouf AA; Hiernaux P; Brandt M; Faye G; Djaby, B; Diop MB; Ndione JA; Tychon B	Remote Sensing	2016
Duan, M; Gao, Q; Wan, Y; Li, Y; Guo, Y; Ganzhu, Z; and Qin, X	Canadian Journal of Remote Sensing	2011
Durante, M; Oesterheld, M; Pineiro, G; Vassallo, MM	International Journal of Remote Sensing	2014
Dusseux, P; Hubert-Moy, L; Corpetti, T; Vertès, F	International Journal of Applied Earth Observation and Geoinformation	2015
Egeru, A; Wasonga, O; Kyagulanyi, J; Majaliwa, GJ; MacOpiyo, L; Mburu, J	Pastoralism	2014
Fajji, NG; Palamuleni, LG; Mlambo, V	South African Journal of Geomatics	2017
Fatehi, P; Damm, A; Schweiger, AK; Schaepman, ME; Kneubühler, M	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2015
Flynn, ES; Dougherty, CT; Wendroth, O	Agronomy Journal	2008
Friedl, MA; Schimel, DS; Michaelsen, J; Davis, FW; Walker, H	International Journal of Remote Sensing	1994
Frolking, S; Fahnestock, M; Milliman, T; McDonald, K; Kimball, J	Geophysical Research Letters	2005

Gao, JX; Chen, YM; Lü, SH; Feng, CY; Chang, XL; Ye, SX; Liu, JD	International Journal of Remote Sensing	2012
Gao, T; Xu, B; Yang, X; Jin, Y; Ma, H; Li, J; Yu, H	International Journal of Remote Sensing	2012
Gao, X; Dong, S; Li, S; Xu, Y; Liu, S; Zhao, H; Yeomans, J; Li, Y; Shen, H; Wu, S; Zhi, Y	Ecological Indicators	2020
Gianelle, D; Vescovo, L; Mason, F	International Journal of Wildland Fire	2009
Gianelle, DAMIANO; Guastella, FB;	International Journal of Remote Sensing	2010
Gruner, E; Astor, T; Wachendorf, M	Agronomy-Basel	2019
Guerini Filho, M; Kuplich, TM; Quadros, FLD	International Journal of Remote Sensing	2020
Hajj, ME; Baghdadi, N; Belaud, G; Zribi, M; Cheviron, B; Courault, D; Hagolle, O; Charron, F	Remote Sensing	2014
He, L; Li, A; Yin, G; Nan, X; Bian, J	Remote Sensing	2019
Ikeda, H; Okamoto, K; Fukuhara, M;	International Journal of Remote Sensing	1999
Jansen, VS; Kolden, CA; Schmalz HJ	Remote Sensing	2018
Jia, W; Liu, M; Yang, Y; He, H; Zhu, X; Yang, F; Yin, C; Xiang, W	Ecological Indicators	2016
Jiang, YB; Tao, J; Huang, YQ; Zhu, JT; Tian, L; Zhang, YJ	Journal of Plant Ecology	2015
Jin, Y; Yang, X; Qiu, J; Li, J; Gao, T; Wu, Q; Zhao, F; Ma, H; Yu, H; Xu, B	Remote Sensing	2014
Justice BO; Hiernaux PHY	International Journal of Remote Sensing	1986
Kawamura, K; Betteridge, K; Sanches, ID; Tuohy, MP; Costall, D; Inoue, Y	New Zealand Journal of Agricultural Research	2009
Li, C; Wulf, H; Schmid, B; He, JS; Schaepman, ME	IEEE Journal of Selected Topics in Applied Earth Observations And Remote Sensing	2018
Li, F; Zeng, Y; Luo, J; Ma, R; Wu, B	Ecological Indicators	2016
Li, Z; Guo, X	Canadian Journal of Remote Sensing	2017
Li, ZQ; Guo, XL	International Journal of Remote Sensing	2018
Liang, T; Yang, S; Feng, Q; Liu, B; Zhang, R; Huang, X; Xie, H	Remote Sensing of Environment	2016
Liu, S; Su, X; Dong, S; Cheng, F; Zhao, H; Wu, X; Li, J.	Giscience & Remote Sensing	2015
Lussem, U; Schellberg, J; Bareth, G	PFG-Journal of Photogrammetry, Remote Sensing and Geoinformation Science	2007
Marabel, M; Alvarez-Taboada, F	Sensors	2008
Meng, B; Ge, J; Liang, T; Yang, S; Gao, J; Feng, Q; Cui, X; Huang, X; Xie, H	Remote Sensing	2015
Meng, B; Liang, T; Yi, S; Yin, J; Cui, X; Ge, J; Hou, M; Lv, Y; Sun, Y	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2020
Meshesha, DT; Ahmed, MM; Abdi, DY; Haregeweyn, N	Heliyon	2020
Moeckel, T; Safari, H; Reddersen, B; Fricke, T; Wachendorf, M	Remote Sensing	2017
Moreau, S; Le Toan, T	Remote Sensing of Environment	2003
Mutanga, O; Rugege, D	International Journal of Remote Sensing	2006
Mutanga, O; Skidmore, AK	International Journal of Applied Earth Observation And Geoinformation	2004

Mutanga, O; Skidmore, AK	International Journal of Remote Sensing	2004
Naidoo, L; Van Deventer, H; Ramoelo, A; Mathieu, R; Nondlazi, B; Gangat, R	International Journal of Applied Earth Observation and Geoinformation	2019
Olsen, JL; Miehe, S; Ceccato, P; Fensholt, R	Biogeosciences	2015
Otgonbayar, M; Atzberger, C; Chambers, J; Damdinsuren, A	International Journal of Remote Sensing	2019
Prince SD; Tucker, CJ	International Journal of Remote Sensing	1986
Psomas, A; Kneubühler, M; Huber, S; Itten, K; Zimmermann, NE	International Journal of Remote Sensing	2011
Punalekar, SM; Verhoef, A; Quaife, TL; Humphries, D; Bermingham, L; Reynolds, CK	Remote Sensing of Environment	2018
Quan, X; He, B; Yebra, M; Yin, C; Liao, Z; Zhang, X; Li, X	International Journal of Applied Earth Observation and Geoinformation	2017
Ramoelo, A; Cho, MA; Mathieu, R; Madonsela, S; Van De Kerchove, R; Kaszta, Z; Wolff, E	International Journal of Applied Earth Observation and Geoinformation	2015
Ren, H; Feng, G;	Grass and Forage Science	2015
Sang, H; Zhang, J; Lin, H; Zhai, L	Remote Sensing	2014
Sarrazin, MJD; Van Aardt, JAN; Asner, GP; Mcglinchy, J; Messinger, DW; Wu, J	Canadian Journal of Remote Sensing	2011
Schino, G; Borfecchia, F; De Cecco, L; Dibari, C; Iannetta, M; Martini, S; Pedrotti, F	Agroforestry Systems	2008
Schmidt, M; Carter, J; Stone, G; O'Reagain, P	Remote Sensing	2016
Schulze-Brüninghoff, D; Hensgen, F; Wachendorf, M; Astor, T	Computers and Electronics in Agriculture	2019
Schweiger, AK; Risch, AC; Damm, A; Kneubuhler, M; Haller, R; Schaepman, ME; Schutz, M	Journal of Vegetation Science	2015
Schwieder, M; Buddeberg, M; Kowalski, K; Pfoch, K; Bartsch, J; Bach, H; Pickert, J; Hostert, P	PFG-Journal of Photogrammetry Remote Sensing and Geoinformation Science	2020
Shen, M; Tang, Y; Klein, J; Zhang, P; Gu, S; Shimono, A; Chen, J	Journal of Plant Ecology	2008
Shoko, C; Mutanga, O; Dube, T	Remote Sensing	2013
Shoko, O Mutanga, T Dube	International Journal of Applied Earth Observation and Geoinformation	2018
Sibanda, M; Mutanga, O; Rouget, M	Giscience & Remote Sensing	2016
Sibanda, M; Mutanga, O; Rouget, M	ISPRS Journal of Photogrammetry and Remote Sensing	2015
Sibanda, M; Mutanga, O; Rouget, M; Kumar, L	Remote Sensing	2017
Svoray, T; Shoshany, M	International Journal of Remote Sensing	2002
Ullah, S; Si, Y; Schlerf, M; Skidmore, A.K; Shafique, M; Iqbal, IA	International Journal of Applied Earth Observation and Geoinformation	2012
Vanamburg, LK; Trlica, MJ; Hoffer, RM; Weltz, MA	International Journal of Remote Sensing	2006
Verbesselt, J; Somers, B; van Aardt, J.A.N; Jonckheere, I; Coppin, P	Remote Sensing of Environment	2006

Vescovo, L; Gianelle, D	Advances in Space Research	2008
Vogel, S; Gebbers, R; Oertel, M; Kramer, E	Sensors	2019
Wang, CY; Price, KP; Merwe, D; An, N; Wang, H	Photogrammetric Engineering & Remote Sensing	2014
Wang, D; Xin, X; Shao, Q; Brolly, M; Zhu, Z; Chen, J	Sensors	2017
Wang, G; Liu, S; Liu, T; Fu, Z; Yu, J; Xue, B	International Journal of Remote Sensing	2019
Wang, J; Xiao, X; Bajgain, R; Starks, P; Steiner, J; Doughty, RB; Chang, Q	ISPRS Journal of Photogrammetry And Remote Sensing	2019
Wang, X; Dong, J; Baoyin, T; Bao, Y	Sustainability	2019
Wang, X; Ge, L; Li, X; Gherardi, S	Photogrammetric Engineering & Remote Sensing	2014
Wang, Y; Wu, G; Deng, L; Tang, Z; Wang, K; Sun, W; Shangguan, Z	Scientific Reports	2017
Wehlage, DC; Gamon, JA; Thayer, D; Hildebrand, DV	Remote Sensing	2016
Wessels, KJ; Prince, SD; Zambatis, N; MacFadyen, S; Frost, PE; Van Zyl, D	International Journal of Remote Sensing	2006
Wijesingha, J; Moeckel, T; Hensgen, F; Wachendorf, M	International Journal of Applied Earth Observation and Geoinformation	2019
Wylie, BK; Meyer, DJ; Tieszen, LL; Mannel, S	Remote Sensing of Environment	2009
Xie, Y; Sha, Z; Yu, M; Bai, Y; Zhang, L	Ecological Modelling	2009
Xing, M; He, B; Li, X	Journal of Applied Remote Sensing	2014
Yan, F; Wu, B; Wang, Y.	Journal Of Arid Land	2013
Yang, S; Feng, Q; Liang, T; Liu, B; Zhang, W; Xie, H	Remote Sensing of Environment	2018
Yin, G; Li, A; Wu, C; Wang, J; Xie, Q; Zhang, Z; Nan, X; Jin, H; Bian, J; Lei, G	ISPRS International Journal of Geo-Information	2018
Yin, X; Wang, C; Zong, Z; Wang, H; Zhang, ; Zhang, W	Spectroscopy Letters	2018
Zeng, N; He, H; Ren, X; Zhang, L; Zeng, Y; Fan, J; Li, Y; Niu, Z; Zhu, X; Chang, Q	International Journal of Remote Sensing	2020
Zeng, N; Ren, X; He, H; Zhang, L; Li, P; Li, Z; Zhang, L	Research of Environmental Sciences	2017
Zeng, N; Ren, X; He, H; Zhang, L; Zhao, D; Ge, R; Niu, Z	Ecological Indicators	2019
Zhang, B; Zhang, L; Xie, D; Yin, X; Liu, C; Liu, G	Remote Sensing	2016
Zhang, H; Sun, Y; Chang, L; Qin, Y; Chen, J; Qin, Y; Du J; Yi, S, Wang, Y	Remote Sensing	2018
Zhang, X; Chen, X; Tian, M; Fan, Y; Ma, J; Xing, D	Plos One	2020
Zhao, F; Xu, B; Yang, X; Jin, Y; Li, J; Xia, L; Chen, S; Ma, H	Remote Sensing	2014