Harold Clenet

List of Publications by Year
in descending order

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19 papers	642 citations	623734 14 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	1010 citing authors

#	Article	IF	Citations
1	Cassini/VIMS hyperspectral observations of the HUYGENS landing site on Titan. Planetary and Space Science, 2006, 54, 1510-1523.	1.7	79
2	On the Potentiality of UAV Multispectral Imagery to Detect Flavescence dorÃ©e and Grapevine Trunk Diseases. Remote Sensing, 2019, 11, 23.	4.0	69
3	Pristine Noachian crust and key geologic transitions in the lower walls of Valles Marineris: Insights into early igneous processes on Mars. Icarus, 2012, 221, 420-435.	2.5	65
4	A new systematic approach using the Modified Gaussian Model: Insight for the characterization of chemical composition of olivines, pyroxenes and olivineâ€“pyroxene mixtures. Icarus, 2011, 213, 404-422.	2.5	63
5	A deep crustâ€“mantle boundary in the asteroid 4ÂVesta. Nature, 2014, 511, 303-306.	27.8	54
6	Thick sections of layered ultramafic cumulates in the Oman ophiolite revealed by an airborne hyperspectral survey: Petrogenesis and relationship to mantle diapirism. Lithos, 2010, 114, 265-281.	1.4	44
7	Composition and structures of the subsurface in the vicinity of Valles Marineris as revealed by central uplifts of impact craters. Icarus, 2012, 221, 436-452.	2.5	43
8	Dikes of distinct composition intruded into Noachianâ€aged crust exposed in the walls of Valles Marineris. Geophysical Research Letters, 2011, 38, .	4.0	40
9	MarsSI: Martian surface data processing information system. Planetary and Space Science, 2018, 150, 157-170.	1.7	38
10	A systematic mapping procedure based on the Modified Gaussian Model to characterize magmatic units from olivine/pyroxenes mixtures: Application to the Syrtis Major volcanic shield on Mars. Journal of Geophysical Research E: Planets, 2013, 118, 1632-1655.	3.6	33
11	Deep alteration between Hellas and Isidis Basins. Icarus, 2015, 260, 141-160.	2.5	27
12	Geological mapping strategy using visible nearâ€infraredâ€“shortwave infrared hyperspectral remote sensing: Application to the Oman ophiolite (Sumail Massif). Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	23
13	Surface-compositional properties of the Malea Planum region of the Circum-Hellas Volcanic Province, Mars. Earth and Planetary Science Letters, 2010, 294, 451-465.	4.4	17
14	Understanding Vine Hyperspectral Signature through Different Irrigation Plans: A First Step to Monitor Vineyard Water Status. Remote Sensing, 2021, 13, 536.	4.0	15
15	Joint Anomaly Detection and Spectral Unmixing for Planetary Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6879-6894.	6.3	13
16	Towards Vine Water Status Monitoring on a Large Scale Using Sentinel-2 Images. Remote Sensing, 2021, 13, 1837.	4.0	9
17	Identification of mafic minerals on Mars by nonlinear hyperspectral unmixing. , 2016, , .		5
18	Higher Order Nonlinear Hyperspectral Unmixing for Mineralogical Analysis Over Extraterrestrial Bodies. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3722-3733.	4.9	3

#	Article	IF	Citations
19	Monitoring vineyard water status using Sentinel-2 images: qualitative survey on five wine estates in the south of France. Oeno One, 2021, 55, 115-127.	1.4	2