Monica Pondrelli

List of Publications by Year
in descending order

35	1,049	567281 15	501196 28
papers	citations	h-index	g-index

40	40	40	1024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence of infilling events in Gale Crater, Mars: Results from morphology, stratigraphy, and mineralogy. Journal of Geophysical Research E: Planets, 2013, 118, 2439-2473.	3.6	139
2	Largeâ€scale spring deposits on Mars?. Journal of Geophysical Research, 2008, 113, .	3.3	115
3	Evolution and depositional environments of the Eberswalde fan delta, Mars. Icarus, 2008, 197, 429-451.	2.5	111
4	Complex evolution of paleolacustrine systems on Mars: An example from the Holden crater. Journal of Geophysical Research, 2005, 110, .	3.3	71
5	Quantifying geological processes on Marsâ€"Results of the high resolution stereo camera (HRSC) on Mars express. Planetary and Space Science, 2015, 112, 53-97.	1.7	63
6	Mud volcanoes in the geologic record of Mars: The case of Firsoff crater. Earth and Planetary Science Letters, 2011, 304, 511-519.	4.4	61
7	Geology of Aeolis Dorsa alluvial sedimentary basin, Mars. Journal of Maps, 2018, 14, 212-218.	2.0	56
8	Geological evolution of Ares Vallis on Mars: Formation by multiple events of catastrophic flooding, glacial and periglacial processes. Icarus, 2009, 202, 60-77.	2.5	55
9	Geological Evidence of Planetâ€Wide Groundwater System on Mars. Journal of Geophysical Research E: Planets, 2019, 124, 374-395.	3.6	54
10	A description of surface features in north Tyrrhena Terra, Mars: Evidence for extension and lava flooding. Icarus, 2007, 191, 524-544.	2.5	51
11	The Dallol Geothermal Area, Northern Afar (Ethiopia)â€"An Exceptional Planetary Field Analog on Earth. Astrobiology, 2019, 19, 553-578.	3.0	51
12	Geometry, stratigraphy and evidences for fluid expulsion within Crommelin crater deposits, Arabia Terra, Mars. Planetary and Space Science, 2014, 92, 34-48.	1.7	27
13	Polyphase metamorphism in the eastern Carnic Alps (N Italyâ€"S Austria): clay minerals and conodont Colour Alteration Index evidence. International Journal of Earth Sciences, 2008, 97, 1213-1229.	1.8	22
14	Fluids mobilization in Arabia Terra, Mars: Depth of pressurized reservoir from mounds self-similar clustering. Icarus, 2019, 321, 938-959.	2.5	22
15	Geological, geomorphological, facies and allostratigraphic maps of the Eberswalde fan delta. Planetary and Space Science, 2011, 59, 1166-1178.	1.7	18
16	Groundwater Control and Process Variability on the Equatorial Layered Deposits of Kotido Crater, Mars. Journal of Geophysical Research E: Planets, 2019, 124, 779-800.	3.6	16
17	The Devonianâ€"Carboniferous boundary in the Carnic Alps (Austria and Italy). Palaeobiodiversity and Palaeoenvironments, 2021, 101, 487-505.	1.5	14
18	Equatorial layered deposits in Arabia Terra, Mars: Facies and process variability. Bulletin of the Geological Society of America, 0, , B31225.1.	3.3	13

#	Article	IF	Citations
19	Conodonts across the Silurian/Devonian boundary in the Carnic Alps (Austria and Italy). Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 549, 109097.	2.3	12
20	An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , .		11
21	Lower Lochkovian (Lower Devonian) conodonts from Cellon section (Carnic Alps, Austria). Bulletin of Geosciences, 2016, , 261-270.	1.1	11
22	Insight into the development of a carbonate platform through a multi-disciplinary approach: a case study from the Upper Devonian slope deposits of Mount Freikofel (Carnic Alps, Austria/Italy). International Journal of Earth Sciences, 2014, 103, 519-538.	1.8	10
23	Paleotemperature record of the Middle Devonian KaÄÃ¡k Episode. Scientific Reports, 2021, 11, 16559.	3.3	8
24	Depositional evolution of a lower Paleozoic portion of the Southalpine domain: the Mt. Pizzul area (Carnic Alps, Italy). International Journal of Earth Sciences, 2015, 104, 147-178.	1.8	7
25	Depositional Controls of the Layered Deposits of Arabia Terra, Mars: Hints From Basin Geometries and Stratigraphic Trends. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006974.	3.6	7
26	Evolution of periglacial landforms in the ancient mountain range of the Thaumasia Highlands, Mars. Geological Society Special Publication, 2011, 356, 69-85.	1.3	6
27	Development of an ultra-miniaturised XRD/XRF instrument for the in situ mineralogical and chemical analysis of planetary soils and rocks: implication for archaeometry. Rendiconti Lincei, 2015, 26, 529-537.	2.2	4
28	Conodont diversity across the late Eifelian KaÄÃ¡k Episode of the southern Alpine realm (central Carnic) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	4
29	Geological map and stratigraphic evolution of the central sector of the Carnic Alps (Austria-Italy). Italian Journal of Geosciences, 2020, 139, 469-484.	0.8	3
30	Geologic Tools. , 2018, , 15-31.		2
31	Application of Sequence-Stratigraphic Concepts to Mars: Eberswalde Crater. Springer Geology, 2014, , 349-354.	0.3	1
32	New Concepts and Tools for Geological Mapping of Mars: Geological Mapping of Mars: A Workshop on New Concepts and Tools; Tuscany, Italy, 12â€“14 October 2009. Eos, 2010, 91, 88.	0.1	0
33	Lateral Accretion Patterns. , 2014, , 1-5.		0
34	Equatorial Layered Deposits in Arabia Terra, Mars: Stratigraphy and Process Variability. Springer Geology, 2014, , 343-347.	0.3	0
35	Lateral Accretion Patterns. , 2015, , 1132-1135.		0