

Gian Gabriele Ori

List of Publications by Year in descending order

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52
papers

2,380
citations

159585

30
h-index

206112

48
g-index

53
all docs

53
docs citations

53
times ranked

2573
citing authors

#	ARTICLE	IF	CITATIONS
1	Habitability on Early Mars and the Search for Biosignatures with the ExoMars Rover. <i>Astrobiology</i> , 2017, 17, 471-510.	3.0	371
2	Investigation of LIBS feasibility for in situ planetary exploration: An analysis on Martian rock analogues. <i>Planetary and Space Science</i> , 2004, 52, 117-123.	1.7	172
3	Performance and surface scattering models for the Mars Advanced Radar for Subsurface and Ionosphere Sounding (MARSIS). <i>Planetary and Space Science</i> , 2004, 52, 149-156.	1.7	125
4	Geologic history of the extensional basin of the Gulf of Corinth (?Miocene-Pleistocene), Greece. <i>Geology</i> , 1989, 17, 918.	4.4	117
5	Terraces and Gilbert-type deltas in crater lakes in Ismenius Lacus and Memnonia (Mars). <i>Journal of Geophysical Research</i> , 2000, 105, 17629-17641.	3.3	100
6	Continental depositional systems of the Quaternary of the Po Plain (northern Italy). <i>Sedimentary Geology</i> , 1993, 83, 1-14.	2.1	74
7	Interior layered deposits of Valles Marineris, Mars: analogous subice volcanism related to Baikal Rifting, Southern Siberia. <i>Planetary and Space Science</i> , 2004, 52, 167-187.	1.7	73
8	Combinations of processes responsible for Martian impact crater "layered ejecta structures" emplacement. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	67
9	Braided to meandering channel patterns in humid-region alluvial fan deposits, River Reno, Po Plain (northern Italy). <i>Sedimentary Geology</i> , 1982, 31, 231-248.	2.1	65
10	Mud volcanoes in the geologic record of Mars: The case of Firsoff crater. <i>Earth and Planetary Science Letters</i> , 2011, 304, 511-519.	4.4	61
11	An ESA study for the search for life on Mars. <i>Planetary and Space Science</i> , 2000, 48, 181-202.	1.7	60
12	Chemosynthetic microbialites in the Devonian carbonate mounds of Hamar Laghdad (Anti-Atlas), Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 3	2.1	60
13	Geology of Aeolis Dorsa alluvial sedimentary basin, Mars. <i>Journal of Maps</i> , 2018, 14, 212-218.	2.0	56
14	Microbial signatures in sabkha evaporite deposits of Chott el Gharsa (Tunisia) and their astrobiological implications. <i>Planetary and Space Science</i> , 2006, 54, 726-736.	1.7	54
15	Geological Evidence of Planet-Wide Groundwater System on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 374-395.	3.6	54
16	Report of the COSPAR mars special regions colloquium. <i>Advances in Space Research</i> , 2010, 46, 811-829.	2.6	53
17	Foreland-dipping normal faults in the inner edges of syn-orogenic basins: a case from the Central Apennines, Italy. <i>Tectonophysics</i> , 2001, 330, 211-224.	2.2	51
18	A description of surface features in north Tyrrhena Terra, Mars: Evidence for extension and lava flooding. <i>Icarus</i> , 2007, 191, 524-544.	2.5	51

#	ARTICLE	IF	CITATIONS
19	The Dallol Geothermal Area, Northern Afar (Ethiopia)â€”An Exceptional Planetary Field Analog on Earth. <i>Astrobiology</i> , 2019, 19, 553-578.	3.0	51
20	Iron-framboids in the hydrocarbon-related Middle Devonian Hollard Mound of the Anti-Atlas mountain range in Morocco: Evidence of potential microbial biosignatures. <i>Sedimentary Geology</i> , 2012, 263-264, 183-193.	2.1	47
21	Geological evolution of the Tyras Vallis paleolacustrine system, Mars. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	42
22	Evidence for late Hesperian lacustrine activity in Shalbatana Vallis, Mars. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	42
23	Life in the Atacama: Searching for life with rovers (science overview). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	42
24	Roles of methane and carbon dioxide in geological processes on Mars. <i>Planetary and Space Science</i> , 2011, 59, 169-181.	1.7	39
25	Exobiological implications of potential sedimentary deposits on Mars. <i>Planetary and Space Science</i> , 2000, 48, 1043-1052.	1.7	37
26	Geometries of Gilbert-type deltas and large channels in the Meteora Conglomerate, Meso-Hellenic basin (Oligo-Miocene), central Greece. <i>Sedimentology</i> , 1987, 34, 845-859.	3.1	36
27	Planetary Protection and Mars Special Regionsâ€”A Suggestion for Updating the Definition. <i>Astrobiology</i> , 2016, 16, 119-125.	3.0	36
28	Dune morphology, sand transport pathways and possible source areas in east Thaumasia Region (Mars). <i>Geomorphology</i> , 2010, 121, 84-97.	2.6	35
29	Complex depositional systems in Hydraotes Chaos, Mars: An example of sedimentary process interactions in the Martian hydrological cycle. <i>Journal of Geophysical Research</i> , 1998, 103, 22713-22723.	3.3	34
30	The MARS2013 Mars Analog Mission. <i>Astrobiology</i> , 2014, 14, 360-376.	3.0	34
31	Ultra-small microorganisms in the polyextreme conditions of the Dallol volcano, Northern Afar, Ethiopia. <i>Scientific Reports</i> , 2019, 9, 7907.	3.3	28
32	Martian paleolacustrine environments and their geological constrains on drilling operations for exobiological research. <i>Planetary and Space Science</i> , 2000, 48, 1027-1034.	1.7	27
33	Neogene palaeoenvironmental evolution in the Atlantic side of the Rifian Corridor (Morocco). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 163, 1-31.	2.3	26
34	A sedimentary origin for intercrater plains north of the Hellas basin: Implications for climate conditions and erosion rates on early Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2239-2267.	3.6	25
35	Hydrological and sedimentary analyses of well-preserved paleofluvial-paleolacustrine systems at Moa Valles, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 194-232.	3.6	23
36	ExoMars Atmospheric Mars Entry and Landing Investigations and Analysis (AMELIA). <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	14

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37	Origin of glacial-fluvial landforms in the Azas Plateau volcanic field, the Tuva Republic, Russia: Role of ice-magma interaction. <i>Geomorphology</i> , 2007, 88, 352-366.	2.6	12
38	Life in the Atacama: A scoring system for habitability and the robotic exploration for life. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	12
39	An inventory of potentially habitable environments on Mars: Geological and biological perspectives. , 2011, , .		11
40	Playa environments on Earth: possible analogs for Mars. , 0, , 322-348.		10
41	Mars and Moon exploration passing through the European Precision Landing GNC Test Facility. <i>Acta Astronautica</i> , 2008, 63, 74-90.	3.2	10
42	Local stratigraphic relations at Sandel crater, Venus: Possible evidence for recent volcano-tectonic activity in Imdr Regio. <i>Earth and Planetary Science Letters</i> , 2020, 546, 116410.	4.4	10
43	Surface and subsurface composition of the Life in the Atacama field sites from rover data and orbital image analysis. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
44	Field Trial of a Dual-Wavelength Fluorescent Emission (L.I.F.E.) Instrument and the Magma White Rover during the MARS2013 Mars Analog Mission. <i>Astrobiology</i> , 2014, 14, 391-405.	3.0	9
45	<i>In Situ</i> Sampling of Relative Dust Devil Particle Loads and Their Vertical Grain Size Distributions. <i>Astrobiology</i> , 2018, 18, 1305-1317.	3.0	5
46	A Case for Using Ground-Based Thermal Inertia Measurements to Detect Martian Caves. <i>Astrobiology</i> , 2014, 14, 431-437.	3.0	3
47	Investigating the subsurface structure of the main crater of the proposed Sirente meteorite crater field (Central Italy): new clues from reflection seismics. <i>Planetary and Space Science</i> , 2019, 168, 27-39.	1.7	3
48	Ir and Rare Earth's Elements determination by Neutron Activation Analysis and ICP - MS in soil samples. <i>Journal of Physics: Conference Series</i> , 2006, 41, 551-554.	0.4	2
49	<i>Globorotalia bouregensis</i> ; a new species of planktonic foraminifer from the latest Miocene-early Pliocene of the Rifian Seaway (northwest Morocco). <i>Journal of Micropalaeontology</i> , 1997, 16, 175-178.	3.6	1
50	Exploring Mars and its terrestrial analogues. <i>Planetary and Space Science</i> , 2009, 57, 509.	1.7	1
51	VENUS subsurface ionosphere radar sounder: VENSIS. , 0, , .		0
52	Liquefaction Features. A Comparison Between the Emilia Epicentral Area (Italy) and the Cerberus Fossae Region (Mars). <i>Springer Geology</i> , 2014, , 323-330.	0.3	0