

Matteo Massironi

List of Publications by Year in descending order

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157
papers

5,900
citations

66315

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85498

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205
docs citations

205
times ranked

3925
citing authors

#	ARTICLE	IF	CITATIONS
1	The assessment of local geological factors for the construction of a Geogenic Radon Potential map using regression kriging. A case study from the Euganean Hills volcanic district (Italy). <i>Science of the Total Environment</i> , 2022, 808, 152064.	3.9	16
2	Spectral Units Analysis of Quadrangle H05â€Hokusai on Mercury. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	7
3	Geology of the Kuiper quadrangle (H06), Mercury. <i>Journal of Maps</i> , 2022, 18, 246-257.	1.0	7
4	Fundamental Science and Engineering Questions in Planetary Cave Exploration. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	8
5	Inception and Evolution of La Corona Lava Tube System (Lanzarote, Canary Islands, Spain). <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	2
6	Equatorial grooves distribution on Ganymede: Length and self-similar clustering analysis. <i>Planetary and Space Science</i> , 2021, 195, 105140.	0.9	8
7	Long-term measurements of the erosion and accretion of dust deposits on comet 67P/Churyumovâ€Gerasimenko with the OSIRIS instrument. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2895-2910.	1.6	7
8	Caldera Collapse as the Trigger of Chaos and Fractured Craters on the Moon and Mars. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092436.	1.5	8
9	Geologic Mapping and Age Determinations of Tsiolkovskiy Crater. <i>Remote Sensing</i> , 2021, 13, 3619.	1.8	3
10	Rheological and Mechanical Layering of the Crust Underneath Thumbprint Terrains in Arcadia Planitia, Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	1.5	4
11	Dating long thrust systems on Mercury: New clues on the thermal evolution of the planet. <i>Geoscience Frontiers</i> , 2020, 11, 855-870.	4.3	13
12	Martian Ice Revealed by Modeling of Simple Terraced Crater Formation. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006108.	1.5	1
13	Lava tubes on Earth, Moon and Mars: A review on their size and morphology revealed by comparative planetology. <i>Earth-Science Reviews</i> , 2020, 209, 103288.	4.0	80
14	3D Extension at Plate Boundaries Accommodated by Interacting Fault Systems. <i>Scientific Reports</i> , 2020, 10, 8669.	1.6	3
15	Geological evolution of the Sinus Iridum basin. <i>Planetary and Space Science</i> , 2020, 194, 105134.	0.9	1
16	Time evolution of dust deposits in the Hapi region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2020, 636, A91.	2.1	13
17	An Integrated Geologic Map of the Rembrandt Basin, on Mercury, as a Starting Point for Stratigraphic Analysis. <i>Remote Sensing</i> , 2020, 12, 3213.	1.8	14
18	Mapping and Monitoring Urban Environment through Sentinel-1 SAR Data: A Case Study in the Veneto Region (Italy). <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 375.	1.4	17

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19	SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	47
20	Rationale for BepiColombo Studies of Mercury's Surface and Composition. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	46
21	Global-scale brittle plastic rheology at the cometsimals merging of comet 67P/Churyumov-Gerasimenko. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10181-10187.	3.3	5
22	Spectrophotometric variegation of the layering in comet 67P/Churyumov-Gerasimenko as seen by OSIRIS. <i>Astronomy and Astrophysics</i> , 2019, 630, A16.	2.1	2
23	Structural Analysis of the Victoria Quadrangle Fault Systems on Mercury: Timing, Geometries, Kinematics, and Relationship with the High-Mg Region. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2543-2562.	1.5	16
24	Surface Expressions of Subsurface Sediment Mobilization Rooted into a Gas Hydrate-Rich Cryosphere on Mars. <i>Scientific Reports</i> , 2019, 9, 8603.	1.6	12
25	Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2139-2154.	1.6	9
26	Bilobate comet morphology and internal structure controlled by shear deformation. <i>Nature Geoscience</i> , 2019, 12, 157-162.	5.4	22
27	Rosetta/OSIRIS observations of the 67P nucleus during the April 2016 flyby: high-resolution spectrophotometry. <i>Astronomy and Astrophysics</i> , 2019, 630, A9.	2.1	6
28	Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A15.	2.1	4
29	The Rocky-Like Behavior of Cometary Landslides on 67P/Churyumov-Gerasimenko. <i>Geophysical Research Letters</i> , 2019, 46, 14336-14346.	1.5	9
30	Fluids mobilization in Arabia Terra, Mars: Depth of pressurized reservoir from mounds self-similar clustering. <i>Icarus</i> , 2019, 321, 938-959.	1.1	22
31	The geodynamic evolution of the Italian South Alpine basement from the Ediacaran to the Carboniferous: Was the South Alpine terrane part of the peri-Gondwana arc-forming terranes?. <i>Gondwana Research</i> , 2019, 65, 17-30.	3.0	19
32	Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2018, 301, 173-188.	1.1	33
33	Pre-Alpine and Alpine deformation at San Pellegrino pass (Dolomites, Italy). <i>Journal of Maps</i> , 2018, 14, 671-679.	1.0	3
34	Slip-tendency analysis as a tool to constrain the mechanical properties of anisotropic rocks. <i>Journal of Structural Geology</i> , 2018, 117, 136-147.	1.0	3
35	Mercury Hollows as Remnants of Original Bedrock Materials and Devolatilization Processes: A Spectral Clustering and Geomorphological Analysis. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2365-2379.	1.5	23
36	The big lobe of 67P/Churyumov-Gerasimenko comet: morphological and spectrophotometric evidences of layering as from OSIRIS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1555-1568.	1.6	7

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37	Estimate of depths of source fluids related to mound fields on Mars. <i>Planetary and Space Science</i> , 2018, 164, 164-173.	0.9	13
38	Small Bodies and Dwarf Planets. , 2018, , 311-343.		0
39	Late movement of basin-edge lobate scarps on Mercury. <i>Icarus</i> , 2017, 288, 226-234.	1.1	16
40	Is the Linn� impact crater morphology influenced by the rheological layering on the Moon's surface? Insights from numerical modeling. <i>Meteoritics and Planetary Science</i> , 2017, 52, 1388-1411.	0.7	5
41	Onset of N-Atlantic rifting in the Hoop Fault Complex (SW Barents Sea): An orthorhombic dominated faulting?. <i>Tectonophysics</i> , 2017, 706-707, 59-70.	0.9	14
42	The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. <i>Nature Astronomy</i> , 2017, 1, .	4.2	100
43	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2017, 212, 1897-1944.	3.7	111
44	Seasonal erosion and restoration of the dust cover on comet 67P/Churyumov-Gerasimenko as observed by OSIRIS onboard Rosetta. <i>Astronomy and Astrophysics</i> , 2017, 604, A114.	2.1	43
45	Modelling of the outburst on 2015 July 29 observed with OSIRIS cameras in the Southern hemisphere of comet 67P/Churyumov�Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S178-S185.	1.6	12
46	Brittle ice shell thickness of Enceladus from fracture distribution analysis. <i>Icarus</i> , 2017, 297, 252-264.	1.1	19
47	The scattering phase function of comet 67P/Churyumov�Gerasimenko coma as seen from the Rosetta/OSIRIS instrument. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S404-S415.	1.6	44
48	The highly active Anhur�Bes regions in the 67P/Churyumov�Gerasimenko comet: results from OSIRIS/ROSETTA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S93-S107.	1.6	30
49	Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumov�Gerasimenko using OSIRIS images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S238-S251.	1.6	8
50	An extensional syn-sedimentary structure in the Early Jurassic Trento Platform (Southern Alps, Italy) as analogue of potential hydrocarbon reservoirs developing in rifting-affected carbonate platforms. <i>Marine and Petroleum Geology</i> , 2017, 79, 360-371.	1.5	6
51	Assessment of lithogenic radioactivity in the Euganean Hills magmatic district (NE Italy). <i>Journal of Environmental Radioactivity</i> , 2017, 166, 259-269.	0.9	16
52	The pebbles/boulders size distributions on Sais: Rosetta�s final landing site on comet 67P/Churyumov�Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S636-S645.	1.6	40
53	A three-dimensional modelling of the layered structure of comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S741-S754.	1.6	22
54	Post-perihelion photometry of dust grains in the coma of 67P Churyumov�Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S195-S203.	1.6	17

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55	Geologic mapping of the Comet 67P/Churyumov-Gerasimenko's Northern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S352-S367.	1.6	27
56	The southern hemisphere of 67P/Churyumov-Gerasimenko: Analysis of the preperihelion size-frequency distribution of boulders ≥ 7 m. Astronomy and Astrophysics, 2016, 592, L2.	2.1	27
57	Characterization of the Abydos region through OSIRIS high-resolution images in support of CIVA measurements. Astronomy and Astrophysics, 2016, 585, L1.	2.1	26
58	Sublimation of icy aggregates in the coma of comet 67P/Churyumov-Gerasimenko detected with the OSIRIS cameras on board Rosetta. Monthly Notices of the Royal Astronomical Society, 2016, 462, S57-S66.	1.6	23
59	Summer fireworks on comet 67P. Monthly Notices of the Royal Astronomical Society, 2016, 462, S184-S194.	1.6	112
60	Are fractured cliffs the source of cometary dust jets? Insights from OSIRIS/Rosetta at 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 587, A14.	2.1	102
61	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images: The southern hemisphere. Astronomy and Astrophysics, 2016, 593, A110.	2.1	86
62	Detection of exposed H_2O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 595, A102.	2.1	67
63	Aswan site on comet 67P/Churyumov-Gerasimenko: Morphology, boulder evolution, and spectrophotometry. Astronomy and Astrophysics, 2016, 592, A69.	2.1	53
64	Rosetta's comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. Science, 2016, 354, 1566-1570.	6.0	97
65	The Agilkia boulders/pebbles size-frequency distributions: OSIRIS and ROLIS joint observations of 67P surface. Monthly Notices of the Royal Astronomical Society, 2016, 462, S242-S252.	1.6	15
66	Geomorphological mapping of comet 67P/Churyumov-Gerasimenko's Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2016, 462, S573-S592.	1.6	23
67	The primordial nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 592, A63.	2.1	159
68	Geo-structural map of the Laguna Blanca basin (Southern Central Andes, Catamarca, Argentina). Journal of Maps, 2016, 12, 431-442.	1.0	2
69	Scientific assessment of the quality of OSIRIS images. Astronomy and Astrophysics, 2015, 583, A46.	2.1	67
70	Gravitational slopes, geomorphology, and material strengths of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. Astronomy and Astrophysics, 2015, 583, A32.	2.1	113
71	Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A17.	2.1	149
72	Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. Astronomy and Astrophysics, 2015, 583, A26.	2.1	153

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73	Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A35.	2.1	59
74	Size-frequency distribution of boulders ≤ 7 m on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A37.	2.1	108
75	Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A41.	2.1	41
76	Comet 67P/Churyumov-Gerasimenko: Constraints on its origin from OSIRIS observations. <i>Astronomy and Astrophysics</i> , 2015, 583, A44.	2.1	53
77	Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A36.	2.1	60
78	Integration of 3D modeling, aerial LiDAR and photogrammetry to study a synsedimentary structure in the Early Jurassic Calcarei Grigi (Southern Alps, Italy). <i>European Journal of Remote Sensing</i> , 2015, 48, 527-539.	1.7	17
79	Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. <i>Geophysical Research Letters</i> , 2015, 42, 5170-5178.	1.5	71
80	Lateral ramps and strike-slip kinematics on Mercury. <i>Geological Society Special Publication</i> , 2015, 401, 269-290.	0.8	11
81	Strike-Slip Faults. , 2015, , 2069-2078.		0
82	On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa1044.	6.0	366
83	The morphological diversity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0440.	6.0	259
84	Geology of the Brenner Pass-Fortezza transect, Italian Eastern Alps. <i>Journal of Maps</i> , 2015, 11, 201-215.	1.0	7
85	Volcanism and tectonism across the inner solar system: an overview. <i>Geological Society Special Publication</i> , 2015, 401, 1-56.	0.8	46
86	Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. <i>Nature</i> , 2015, 523, 63-66.	13.7	158
87	Phobos grooves and impact craters: A stereographic analysis. <i>Icarus</i> , 2015, 256, 90-100.	1.1	26
88	Are terrestrial plumes from motionless plates analogues to Martian plumes feeding the giant shield volcanoes?. <i>Geological Society Special Publication</i> , 2015, 401, 107-126.	0.8	11
89	Self-similar clustering distribution of structural features on Ascreaeus Mons (Mars): implications for magma chamber depth. <i>Geological Society Special Publication</i> , 2015, 401, 203-218.	0.8	16
90	A cone on Mercury: Analysis of a residual central peak encircled by an explosive volcanic vent. <i>Planetary and Space Science</i> , 2015, 108, 108-116.	0.9	8

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91	Age dating of an extensive thrust system on Mercury: implications for the planet's thermal evolution. Geological Society Special Publication, 2015, 401, 291-311.	0.8	9
92	Two independent and primitive envelopes of the bilobate nucleus of comet 67P. Nature, 2015, 526, 402-405.	13.7	141
93	Age relationships of the Rembrandt basin and Enterprise Rupes, Mercury. Geological Society Special Publication, 2015, 401, 159-172.	0.8	14
94	High-Relief Ridge. , 2015, , 932-934.		2
95	Lobate Scarp. , 2015, , 1255-1262.		3
96	Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. Astronomy and Astrophysics, 2015, 583, A19.	2.1	13
97	High-Relief Ridge. , 2014, , 1-5.		0
98	In-situ high-temperature emissivity spectra and thermal expansion of C2/c pyroxenes: Implications for the surface of Mercury. American Mineralogist, 2014, 99, 786-792.	0.9	16
99	Spatial analysis of thickness variability applied to an Early Jurassic carbonate platform in the central Southern Alps (Italy): a tool to unravel syn-sedimentary faulting. Terra Nova, 2014, 26, 239-246.	0.9	10
100	How multiple foliations may control large gravitational phenomena: A case study from the Cismon Valley, Eastern Alps, Italy. Geomorphology, 2014, 207, 149-160.	1.1	6
101	Strike-Slip Faults. , 2014, , 1-12.		0
102	Lobate Scarp. , 2014, , 1-11.		0
103	Olivine thermal emissivity under extreme temperature ranges: Implication for Mercury surface. Earth and Planetary Science Letters, 2013, 371-372, 252-257.	1.8	20
104	Geological map of the Middle Triassic Latemar platform (Western Dolomites, Northern Italy). Journal of Maps, 2013, 9, 313-324.	1.0	8
105	Geomorphology of the El Alamein Battlefield (Southern Front, Egypt). Journal of Maps, 2013, 9, 532-541.	1.0	4
106	On the nucleation of non-Andersonian faults along phyllosilicate-rich mylonite belts. Geological Society Special Publication, 2012, 367, 185-199.	0.8	23
107	Spectral analysis and geological mapping of the Daedalia Planum lava field (Mars) using OMEGA data. Icarus, 2012, 220, 679-693.	1.1	9
108	Mercury's radius change estimates revisited using MESSENGER data. Icarus, 2012, 221, 456-460.	1.1	39

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109	Dating deformation in the Gran Paradiso Massif (NW Italian Alps): Implications for the exhumation of high-pressure rocks in a collisional belt. <i>Lithos</i> , 2012, 144-145, 130-144.	0.6	26
110	(21) Lutetia spectrophotometry from Rosetta-OSIRIS images and comparison to ground-based observations. <i>Planetary and Space Science</i> , 2012, 66, 43-53.	0.9	31
111	The geomorphology of (21) Lutetia: Results from the OSIRIS imaging system onboard ESA's Rosetta spacecraft. <i>Planetary and Space Science</i> , 2012, 66, 96-124.	0.9	58
112	The cratering history of asteroid (21) Lutetia. <i>Planetary and Space Science</i> , 2012, 66, 87-95.	0.9	43
113	Geological map and stratigraphy of asteroid 21 Lutetia. <i>Planetary and Space Science</i> , 2012, 66, 125-136.	0.9	42
114	Physical properties of craters on asteroid (21) Lutetia. <i>Planetary and Space Science</i> , 2012, 66, 79-86.	0.9	41
115	Hydrocode simulations of the largest crater on asteroid Lutetia. <i>Planetary and Space Science</i> , 2012, 66, 147-154.	0.9	14
116	Images of Asteroid 21 Lutetia: A Remnant Planetesimal from the Early Solar System. <i>Science</i> , 2011, 334, 487-490.	6.0	179
117	Misoriented faults in exhumed metamorphic complexes: Rule or exception?. <i>Earth and Planetary Science Letters</i> , 2011, 307, 233-239.	1.8	31
118	Omeongaâ€”A possible large impact structure on the Eastern Kasai Province (D.R. Congo)?. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1804-1813.	0.7	2
119	A New Stereo Algorithm based on Snakes. <i>Photogrammetric Engineering and Remote Sensing</i> , 2011, 77, 495-507.	0.3	4
120	The effects of the target material properties and layering on the crater chronology: The case of Raditladi and Rachmaninoff basins on Mercury. <i>Planetary and Space Science</i> , 2011, 59, 1968-1980.	0.9	51
121	Thermochronological evidence for a late Pliocene climate-induced erosion rate increase in the Alps. <i>International Journal of Earth Sciences</i> , 2011, 100, 847-859.	0.9	12
122	Influence of the antiformal setting on the kinematics of a large mass movement: the Passo Vallaccia, eastern Italian Alps. <i>Bulletin of Engineering Geology and the Environment</i> , 2011, 70, 497-506.	1.6	9
123	The Latemar: A Middle Triassic polygonal fault-block platform controlled by synsedimentary tectonics. <i>Sedimentary Geology</i> , 2011, 234, 1-18.	1.0	41
124	Mapping the Buraburi granite in the Himalaya of Western Nepal: Remote sensing analysis in a collisional belt with vegetation cover and extreme variation of topography. <i>Remote Sensing of Environment</i> , 2011, 115, 1129-1144.	4.6	57
125	Observing Mercury: from Galileo to the stereo camera on the BepiColombo mission. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 213-218.	0.0	1
126	SIMBIO-SYS: The spectrometer and imagers integrated observatory system for the BepiColombo planetary orbiter. <i>Planetary and Space Science</i> , 2010, 58, 125-143.	0.9	70

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127	The cratering history of asteroid (2867) Steins. <i>Planetary and Space Science</i> , 2010, 58, 1116-1123.	0.9	46
128	Benefits of the Proposed Magia Mission for Lunar Geology. <i>Earth, Moon and Planets</i> , 2010, 107, 267-297.	0.3	0
129	Three-dimensional characterization of a crustal-scale fault zone: The Pusteria and Sprechenstein fault system (Eastern Alps). <i>Journal of Structural Geology</i> , 2010, 32, 2022-2041.	1.0	43
130	Mercury's surface and composition to be studied by BepiColombo. <i>Planetary and Space Science</i> , 2010, 58, 21-39.	0.9	31
131	Beagle Rupes " Evidence for a basal decollement of regional extent in Mercury's lithosphere. <i>Icarus</i> , 2010, 209, 256-261.	1.1	27
132	Evidence for Young Volcanism on Mercury from the Third MESSENGER Flyby. <i>Science</i> , 2010, 329, 668-671.	6.0	118
133	Correction to "Mercury's geochronology revised by applying Model Production Function to Mariner 10 data: Geological implications" <i>Geophysical Research Letters</i> , 2010, 37, n/a-n/a.	1.5	1
134	Laser scanning-based recognition of rotational movements on a deep seated gravitational instability: The Cinque Torri case (North-Eastern Italian Alps). <i>Geomorphology</i> , 2010, 122, 191-204.	1.1	113
135	A NEW CHRONOLOGY FOR THE MOON AND MERCURY. <i>Astronomical Journal</i> , 2009, 137, 4936-4948.	1.9	152
136	Inflated flows on Daedalia Planum (Mars)? Clues from a comparative analysis with the Payen volcanic complex (Argentina). <i>Planetary and Space Science</i> , 2009, 57, 556-570.	0.9	25
137	Use of PSInSAR data to infer active tectonics: Clues on the differential uplift across the Giudicarie belt (Central-Eastern Alps, Italy). <i>Tectonophysics</i> , 2009, 476, 297-303.	0.9	28
138	Mercury's geochronology revised by applying Model Production Function to Mariner 10 data: Geological implications. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	23
139	THE STEREO CAMERA ON THE BEPICOLOMBO ESA/JAXA MISSION: A NOVEL APPROACH. , 2009, , 305-322.		16
140	Simulations using terrestrial geological analogues to assess interpretability of potential geological features of the Hermean surface restituted by the STereo imaging Camera of the SIMBIOSYS package (BepiColombo mission). <i>Planetary and Space Science</i> , 2008, 56, 1079-1092.	0.9	10
141	3D fold and fault reconstruction with an uncertainty model: An example from an Alpine tunnel case study. <i>Computers and Geosciences</i> , 2008, 34, 351-372.	2.0	57
142	Interpretation and processing of ASTER data for geological mapping and granitoids detection in the Saghro massif (eastern Anti-Atlas, Morocco). , 2008, 4, 736.		66
143	Evolution of a poly-deformed relay zone between fault segments in the eastern Southern Alps, Italy. <i>Geological Society Special Publication</i> , 2007, 290, 351-366.	0.8	20
144	Miocene to present major fault linkages through the Adriatic indenter and the Austroalpine Penninic collisional wedge (Alps of NE Italy). <i>Geological Society Special Publication</i> , 2006, 262, 245-258.	0.8	21

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145	Geodetic and hydrological aspects of the Merano earthquake of 17 July 2001. <i>Journal of Geodynamics</i> , 2005, 39, 317-336.	0.7	25
146	MEMORIS: a wide angle camera for the BepiColombo mission. <i>Advances in Space Research</i> , 2004, 33, 2182-2188.	1.2	3
147	Large-scale fault kinematic analysis in Noctis Labyrinthus (Mars). <i>Planetary and Space Science</i> , 2004, 52, 215-222.	0.9	19
148	Average strain rate in the Italian crust inferred from a permanent GPS network - II. Strain rate versus seismicity and structural geology. <i>Geophysical Journal International</i> , 2003, 155, 254-268.	1.0	43
149	Geological outline of the Alps. <i>Episodes</i> , 2003, 26, 175-180.	0.8	177
150	Polyphase Tertiary fault kinematics and Quaternary reactivation in the central-eastern Alps (western Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	18
151	The Aosta-Ranzola extensional fault system and Oligocene-Present evolution of the Austroalpine-Penninic wedge in the northwestern Alps. <i>International Journal of Earth Sciences</i> , 2001, 90, 654-667.	0.9	56
152	Miocene to Present kinematics of the NW-Alps: evidences from remote sensing, structural analysis, seismotectonics and thermochronology. <i>Journal of Geodynamics</i> , 2000, 30, 205-228.	0.7	29
153	Post-nappe brittle tectonics and kinematic evolution of the north-western Alps: an integrated approach. <i>Tectonophysics</i> , 2000, 327, 267-292.	0.9	46
154	THE "MOON MAPPING" PROJECT TO PROMOTE COOPERATION BETWEEN STUDENTS OF ITALY AND CHINA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B6, 71-78.	0.2	6
155	THE "MOON MAPPING" PROJECT TO PROMOTE COOPERATION BETWEEN STUDENTS OF ITALY AND CHINA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B6, 71-78.	0.2	4
156	A comet in Alpine style: how standard techniques for the reconstruction of geological structures, pioneered by Amile Argand, can help unravelling the evolution of the Solar System. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 37, 34-36.	0.3	0
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