

# Ligia PÃ©rez-Cruz

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

615  
citations

933447

10  
h-index

610901

24  
g-index

37  
all docs

37  
docs citations

37  
times ranked

748  
citing authors

#	ARTICLE	IF	CITATIONS
1	The formation of peak rings in large impact craters. <i>Science</i> , 2016, 354, 878-882.	12.6	181
2	Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. <i>Nature</i> , 2018, 558, 288-291.	27.8	123
3	Probing the hydrothermal system of the Chicxulub impact crater. <i>Science Advances</i> , 2020, 6, eaaz3053.	10.3	69
4	Hydrological changes and paleoproductivity in the Gulf of California during middle and late Holocene and their relationship with ITCZ and North American Monsoon variability. <i>Quaternary Research</i> , 2013, 79, 138-151.	1.7	35
5	Climate and ocean variability during the middle and late Holocene recorded in laminated sediments from Alfonso Basin, Gulf of California, Mexico. <i>Quaternary Research</i> , 2006, 65, 401-410.	1.7	31
6	Impact ejecta and carbonate sequence in the eastern sector of the Chicxulub crater. <i>Comptes Rendus - Geoscience</i> , 2008, 340, 801-810.	1.2	28
7	Geochemistry, geochronology and petrogenesis of Maya Block granitoids and dykes from the Chicxulub Impact Crater, Gulf of MÃ©xico: Implications for the assembly of Pangea. <i>Gondwana Research</i> , 2020, 82, 128-150.	6.0	26
8	The Chicxulub multi-ring impact crater, Yucatan carbonate platform, Gulf of Mexico. <i>Geofisica International</i> , 2011, 50, .	0.2	14
9	Paleomagnetism of impact breccias from the Chicxulub crater â€” Implications for ejecta emplacement and hydrothermal processes. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 186, 154-171.	1.9	13
10	Multiring-forming large bolide impacts and evolution of planetary surfaces. <i>International Geology Review</i> , 2009, 51, 1079-1102.	2.1	11
11	Holocene laminated sediments from the southern Gulf of California: geochemical, mineral magnetic and microfossil study. <i>Journal of Quaternary Science</i> , 2010, 25, 989-1000.	2.1	11
12	Scenarios of Deoxygenation of the Eastern Tropical North Pacific During the Past Millennium as a Window Into the Future of Oxygen Minimum Zones. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	10
13	Volcano-sedimentary stratigraphy in the Valsequillo Basin, Central Mexico inferred from electrical resistivity soundings. <i>Geofisica International</i> , 2014, 53, 87-94.	0.2	8
14	Magnetic susceptibility logging of Chicxulub proximal impact breccias in the Santa Elena borehole: implications for emplacement mode. <i>Studia Geophysica Et Geodaetica</i> , 2014, 58, 100-120.	0.5	6
15	Discovery and focused study of the Chicxulub impact crater. <i>Eos</i> , 2011, 92, 209-210.	0.1	5
16	Oil exploration in the Southern Gulf of Mexico and the Chicxulub impact. <i>Geology Today</i> , 2013, 29, 182-189.	0.9	5
17	Fuerte River floods, an overlooked source of terrigenous sediment to the Gulf of California. <i>Continental Shelf Research</i> , 2016, 128, 1-9.	1.8	5
18	Heating-induced changes in the anisotropy of magnetic susceptibility of impact breccias, Chicxulub Crater (Mexico). <i>Studia Geophysica Et Geodaetica</i> , 2012, 56, 769-787.	0.5	4

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19	Planetary Sciences, Geodynamics, Impacts, Mass Extinctions, and Evolution: Developments and Interconnections. <i>International Journal of Geophysics</i> , 2016, 2016, 1-13.	1.1	4
20	Emission spectra of a simulated Chicxulub impact-vapor plume at the Cretaceous-Paleogene boundary. <i>Icarus</i> , 2020, 346, 113813.	2.5	4
21	Magnetic links among lava flows, tuffs and the underground plumbing system in a monogenetic volcano, derived from magnetics and paleomagnetic studies. <i>Physics of the Earth and Planetary Interiors</i> , 2012, 212-213, 10-18.	1.9	3
22	Production, exportation and preservation of silicoflagellates in Alfonso Basin, Gulf of California. <i>Journal of Sea Research</i> , 2016, 109, 52-62.	1.6	3
23	Characterization of distal turbidites in marine sedimentary sequences using magnetic mineral data and factor analysis of microfossils assemblages. <i>Studia Geophysica Et Geodaetica</i> , 2010, 54, 595-606.	0.5	2
24	Buried impact basins, the evolution of planetary surfaces and the Chicxulub multi-ring crater. <i>Geology Today</i> , 2011, 27, 220-225.	0.9	2
25	Magnetic mineral diagenesis in anoxic laminated sediments from the Southern Gulf of California. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 115-138.	0.5	1
26	Rock magnetic evidence for a middle Holocene transition in marine sediments from La Paz basin, southern Gulf of California. <i>Journal of South American Earth Sciences</i> , 2021, 109, 103173.	1.4	1
27	Paleoclimate of the Gulf of California (Northwestern Mexico) During the Last 2000 Years. , 2019, , 7-38.		1
28	Chicxulub Crater Joint Gravity and Magnetic Anomaly Analysis: Structure, Asymmetries, Impact Trajectory and Target Structures. <i>Pure and Applied Geophysics</i> , 0, , .	1.9	1
29	Stratigraphy of the Basal Paleocene Carbonate Sequence and the Impact Breccia-Carbonate Contact in the Chicxulub Crater: Stable Isotope Study of the Santa Elena Borehole Rocks. <i>International Geology Review</i> , 2008, 50, 75-83.	2.1	0
30	Public Lectures and Exhibits: Outreach Activities at the 2013 Meeting of the Americas. <i>Eos</i> , 2013, 94, 345-345.	0.1	0
31	Geophysical Studies, Natural Hazards, and Climate Change. , 0, , 313-327.		0
32	Peering inside the peak ring of the Chicxulub Impact Crater-its nature and formation mechanism. <i>Geology Today</i> , 2019, 35, 68-72.	0.9	0
33	Chicxulub museum, geosciences in Mexico, outreach and science communication - built from the crater up. <i>Geoscience Communication</i> , 2021, 4, 267-280.	0.9	0
34	Physical characterization of a simulated impact-vapor plume using laser ablation of Chicxulub sediments. <i>Planetary and Space Science</i> , 2021, 206, 105311.	1.7	0
35	Hyperthermal events recorded in the Palaeogene carbonate sequence of southern Gulf of Mexico-Santa Elena borehole, Yucatan Peninsula. <i>Geological Journal</i> , 2022, 57, 99-113.	1.3	0