

Paterno Castillo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/545948/publications.pdf>

Version: 2024-02-01

69
papers

5,344
citations

134610

34
h-index

104191

69
g-index

69
all docs

69
docs citations

69
times ranked

3936
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-Cretaceous Wake seamounts in NW Pacific originate from secondary mantle plumes with Arago hotspot composition. <i>Chemical Geology</i> , 2022, 587, 120632.	1.4	13
2	Arc magmatism and porphyry-type ore deposition are primarily controlled by chlorine from seawater. <i>Chemical Geology</i> , 2022, 589, 120683.	1.4	7
3	Co-Occurrence of HIMU and EM1 Components in a Single Magellan Seamount: Implications for the Formation of West Pacific Seamount Province. <i>Journal of Petrology</i> , 2022, 63, .	1.1	4
4	Oceanic Zircon Records Extreme Fractional Crystallization of MORB to Rhyolite on the Alarcon Rise Mid-Ocean Ridge. <i>Journal of Petrology</i> , 2022, 63, .	1.1	2
5	Evidence for a primitive deep mantle component in the source of Marquesas Islands Lavas from Os isotope and highly siderophile element abundance systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 329, 51-69.	1.6	1
6	Chlorine from seawater is key to the generation of calc-alkaline lavas. <i>Journal of Asian Earth Sciences</i> , 2021, 213, 104753.	1.0	4
7	Long-lived low Th/U Pacific-type isotopic mantle domain: Constraints from Nd and Pb isotopes of the Paleo-Asian Ocean mantle. <i>Earth and Planetary Science Letters</i> , 2021, 567, 117006.	1.8	12
8	An origin of the along-arc compositional variation in the Izu-Bonin arc system. <i>Geoscience Frontiers</i> , 2020, 11, 1621-1634.	4.3	8
9	New geochemical and Sr-Nd-Pb isotope evidence for FOZO and Azores plume components in the sources of DSDP Holes 559 and 561 MORBs. <i>Chemical Geology</i> , 2020, 557, 119858.	1.4	4
10	Hafnium isotope constraints on the nature of the mantle beneath the Southern Lau basin (SW Pacific). <i>Scientific Reports</i> , 2020, 10, 17476.	1.6	3
11	The geochemistry and Sr-Nd-Pb isotopic ratios of high $^3\text{He}/^4\text{He}$ Afar and MER basalts indicate a significant role of the African Superplume in EARS magmatism. <i>Lithos</i> , 2020, 376-377, 105791.	0.6	6
12	Osmium isotope evidence for a heterogeneous $^3\text{He}/^4\text{He}$ mantle plume beneath the Juan Fernandez Islands. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 1-19.	1.6	9
13	Melt Origin across a Rifted Continental Margin: a Case for Subduction-related Metasomatic Agents in the Lithospheric Source of Alkaline Basalt, NW Ross Sea, Antarctica. <i>Journal of Petrology</i> , 2018, 59, 517-558.	1.1	57
14	Geology of the Alarcon Rise, Southern Gulf of California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 807-837.	1.0	29
15	The trace element and Sr-Nd-Pb isotope geochemistry of Juan Fernandez lavas reveal variable contributions from a high- $^3\text{He}/^4\text{He}$ mantle plume. <i>Chemical Geology</i> , 2018, 476, 280-291.	1.4	11
16	Marine Carbonates in the Mantle Source of Oceanic Basalts: Pb Isotopic Constraints. <i>Scientific Reports</i> , 2018, 8, 14932.	1.6	13
17	Crust-mantle interaction inferred from the petrology and Sr-Nd-Pb isotope geochemistry of Eocene arc lavas from the Kahrizak Mountains, north-central Iran. <i>Lithos</i> , 2018, 318-319, 299-313.	0.6	4
18	An alternative explanation for the Hf-Nd mantle array. <i>Science Bulletin</i> , 2017, 62, 974-975.	4.3	8

#	ARTICLE	IF	CITATIONS
19	Geochemical signature and rock associations of ocean ridge-subduction: Evidence from the Karamaili Paleo-Asian ophiolite in east Junggar, NW China. <i>Gondwana Research</i> , 2017, 48, 34-49.	3.0	47
20	Petrogenesis of the ~ 4500 Ma Fushui mafic intrusion and Early Paleozoic tectonic evolution of the Northern Qinling Belt, Central China. <i>Journal of Asian Earth Sciences</i> , 2017, 141, 74-96.	1.0	12
21	Origin of Permian extremely high Ti/Y mafic lavas and dykes from Western Guangxi, SW China: Implications for the Emeishan mantle plume magmatism. <i>Journal of Asian Earth Sciences</i> , 2017, 141, 97-111.	1.0	26
22	A proposed new approach and unified solution to old Pb paradoxes. <i>Lithos</i> , 2016, 252-253, 32-40.	0.6	20
23	Geochemistry and petrogenesis of volcanic rocks from Daimao Seamount (South China Sea) and their tectonic implications. <i>Lithos</i> , 2015, 218-219, 117-126.	0.6	62
24	The boundary between the Central Asian Orogenic belt and Tethyan tectonic domain deduced from Pb isotopic data. <i>Journal of Asian Earth Sciences</i> , 2015, 113, 7-15.	1.0	19
25	The recycling of marine carbonates and sources of HIMU and FOZO ocean island basalts. <i>Lithos</i> , 2015, 216-217, 254-263.	0.6	86
26	Trace element and Sr-Nd-Pb isotope geochemistry of Rungwe Volcanic Province, Tanzania: implications for a Superplume source for East Africa Rift magmatism. <i>Frontiers in Earth Science</i> , 2014, 2, .	0.8	25
27	The late Mesozoic–Cenozoic tectonic evolution of the South China Sea: A petrologic perspective. <i>Journal of Asian Earth Sciences</i> , 2014, 85, 178-201.	1.0	181
28	The Dupal isotopic anomaly in the southern Paleo-Asian Ocean: Nd–Pb isotope evidence from ophiolites in Northwest China. <i>Lithos</i> , 2014, 189, 185-200.	0.6	48
29	Geochemistry of basaltic lavas from the southern Lau Basin: input of compositionally variable subduction components. <i>International Geology Review</i> , 2012, 54, 1456-1474.	1.1	17
30	An overview of the volatile systematics of the Lau Basin – Resolving the effects of source variation, magmatic degassing and crustal contamination. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 88-113.	1.6	35
31	Adakite petrogenesis. <i>Lithos</i> , 2012, 134-135, 304-316.	0.6	608
32	Petrology and Sr-Nd-Pb-He isotope geochemistry of postspreading lavas on fossil spreading axes off Baja California Sur, Mexico. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	19
33	Major and trace element and Sr-Nd isotope signatures of the northern Lau Basin lavas: Implications for the composition and dynamics of the back-arc basin mantle. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	38
34	Plio-Pleistocene intra-plate magmatism from the southern Sulu Arc, Semporna peninsula, Sabah, Borneo: Implications for high-Nb basalt in subduction zones. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 190, 25-38.	0.8	65
35	Petrogenesis of Davidson Seamount lavas and its implications for fossil spreading center and intraplate magmatism in the eastern Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	43
36	Origin of Nb-enriched basalts and adakites in Baja California, Mexico, revisited: Reply. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 1470-1472.	1.6	13

#	ARTICLE	IF	CITATIONS
37	Geochemistry of mid-Cretaceous Pacific crust being subducted along the Tonga–Kermadec Trench: Implications for the generation of arc lavas. <i>Lithos</i> , 2009, 112, 87-102.	0.6	51
38	Five million years of compositionally diverse, episodic volcanism: Construction of Davidson Seamount atop an abandoned spreading center. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	21
39	A deep mantle source for high $^{3}\text{He}/^{4}\text{He}$ ocean island basalts (OIB) inferred from Pacific near-ridge seamount lavas. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	13
40	Major and trace element and Sr–Nd isotope signatures of lavas from the Central Lau Basin: Implications for the nature and influence of subduction components in the back-arc mantle. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 657-670.	0.8	82
41	Origin of the adakite-high-Nb basalt association and its implications for postsubduction magmatism in Baja California, Mexico. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 451-462.	1.6	147
42	He, Sr, Nd, and Pb isotopic constraints on the origin of the Marquesas and other linear volcanic chains. <i>Chemical Geology</i> , 2007, 240, 205-221.	1.4	20
43	Origin of high field strength element enrichment in volcanic arcs: Geochemical evidence from the Sulu Arc, southern Philippines. <i>Lithos</i> , 2007, 97, 271-288.	0.6	120
44	An overview of adakite petrogenesis. <i>Science Bulletin</i> , 2006, 51, 257-268.	1.7	389
45	Geochemistry of Cretaceous volcanoclastic sediments in the Nauru and East Mariana basins provides insights into the mantle sources of giant oceanic plateaus. <i>Geological Society Special Publication</i> , 2004, 229, 353-368.	0.8	5
46	Geochemical Constraints on Possible Subduction Components in Lavas of Mayon and Taal Volcanoes, Southern Luzon, Philippines. <i>Journal of Petrology</i> , 2004, 45, 1089-1108.	1.1	74
47	Phreatomagmatic eruptions on the Ontong Java Plateau: chemical and isotopic relationship to Ontong Java Plateau basalts. <i>Geological Society Special Publication</i> , 2004, 229, 307-323.	0.8	14
48	Compositional variability in lavas from the Ontong Java Plateau: results from basalt clasts within the volcanoclastic succession at Ocean Drilling Program Site 1184. <i>Geological Society Special Publication</i> , 2004, 229, 333-351.	0.8	16
49	Pin-pricking the elephant: evidence on the origin of the Ontong Java Plateau from Pb-Sr-Hf-Nd isotopic characteristics of ODP Leg 192 basalts. <i>Geological Society Special Publication</i> , 2004, 229, 133-150.	0.8	62
50	Geochemical and Nd–Pb isotopic characteristics of the Tethyan asthenosphere: implications for the origin of the Indian Ocean mantle domain. <i>Tectonophysics</i> , 2004, 393, 9-27.	0.9	295
51	Geochemistry of lavas from Negros Arc, west central Philippines: Insights into the contribution from the subducting slab. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	24
52	Geochemistry of late Paleozoic mafic igneous rocks from the Kuerti area, Xinjiang, northwest China: implications for backarc mantle evolution. <i>Chemical Geology</i> , 2003, 193, 137-154.	1.4	146
53	Petrology of Alarcon Rise lavas, Gulf of California: Nascent intracontinental ocean crust. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 5-1-ECV 5-15.	3.3	30
54	MORB-type rocks from the Paleo-Tethyan Mian-Lueyang northern ophiolite in the Qinling Mountains, central China: implications for the source of the low $^{206}\text{Pb}/^{204}\text{Pb}$ and high $^{143}\text{Nd}/^{144}\text{Nd}$ mantle component in the Indian Ocean. <i>Earth and Planetary Science Letters</i> , 2002, 198, 323-337.	1.8	143

#	ARTICLE	IF	CITATIONS
55	Origin of high field strength element enrichment in the Sulu Arc, southern Philippines, revisited. <i>Geology</i> , 2002, 30, 707.	2.0	81
56	Geochemistry of the oldest Atlantic oceanic crust suggests mantle plume involvement in the early history of the central Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 2001, 192, 291-302.	1.8	52
57	Petrology and Sr, Nd, and Pb isotope geochemistry of mid-ocean ridge basalt glasses from the 11°45'N to 15°00'N segment of the East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	1.0	68
58	Petrology and geochemistry of Camiguin Island, southern Philippines: insights to the source of adakites and other lavas in a complex arc setting. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 33-51.	1.2	917
59	Extreme ³ He/ ⁴ He ratios in northwest Iceland: constraining the common component in mantle plumes. <i>Earth and Planetary Science Letters</i> , 1999, 173, 53-60.	1.8	158
60	Isotope geochemistry of the Darwin Rise seamounts and the nature of long-term mantle dynamics beneath the south central Pacific. <i>Journal of Geophysical Research</i> , 1999, 104, 10571-10589.	3.3	41
61	Early history of the Izu-Bonin - Mariana arc system: Evidence from Belau and the Palau Trench. <i>Island Arc</i> , 1998, 7, 559-578.	0.5	21
62	Sr, Nd and Pb isotopic variation along the Pacific-Antarctic rise crest, 53°-57°S: Implications for the composition and dynamics of the South Pacific upper mantle. <i>Earth and Planetary Science Letters</i> , 1998, 154, 109-125.	1.8	66
63	Evidence for Extreme Climatic Warmth from Late Cretaceous Arctic Vertebrates. <i>Science</i> , 1998, 282, 2241-2243.	6.0	219
64	Origin and geodynamic implication of the Dupal isotopic anomaly in volcanic rocks from the Philippine island arcs: Comment and Reply. <i>Geology</i> , 1997, 25, 284.	2.0	1
65	Geochemistry of Mesozoic Pacific mid-ocean ridge basalt: Constraints on melt generation and the evolution of the Pacific upper mantle. <i>Journal of Geophysical Research</i> , 1997, 102, 5207-5229.	3.3	71
66	Trace element behavior in hydrothermal experiments: Implications for fluid processes at shallow depths in subduction zones. <i>Earth and Planetary Science Letters</i> , 1996, 140, 41-52.	1.8	290
67	Basalts from the Central Pacific Basin: Evidence for the origin of Cretaceous igneous complexes in the Jurassic western Pacific. <i>Journal of Geophysical Research</i> , 1996, 101, 2875-2893.	3.3	68
68	Origin and geodynamic implication of the Dupal isotopic anomaly in volcanic rocks from the Philippine island arcs. <i>Geology</i> , 1996, 24, 271.	2.0	44
69	Geochemistry of Lavas from Taal Volcano, Southwestern Luzon, Philippines: Evidence for Multiple Magma Supply Systems and Mantle Source Heterogeneity. <i>Journal of Petrology</i> , 1991, 32, 593-627.	1.1	36