

Luigi Jovane

List of Publications by Year in descending order

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122
papers

2,771
citations

201674

27
h-index

214800

47
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129
all docs

129
docs citations

129
times ranked

2950
citing authors

#	ARTICLE	IF	CITATIONS
1	A new view of Italian seismicity using 20 years of instrumental recordings. <i>Tectonophysics</i> , 2005, 395, 251-268.	2.2	405
2	Magnetotactic bacterial abundance in pelagic marine environments is limited by organic carbon flux and availability of dissolved iron. <i>Earth and Planetary Science Letters</i> , 2011, 310, 441-452.	4.4	150
3	Antarctic ice sheet sensitivity to atmospheric CO ₂ variations in the early to mid-Miocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3453-3458.	7.1	133
4	The abrupt onset of the modern South Asian Monsoon winds. <i>Scientific Reports</i> , 2016, 6, 29838.	3.3	121
5	The middle Eocene climatic optimum event in the Contessa Highway section, Umbrian Apennines, Italy. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 413-427.	3.3	96
6	Magnetic properties of pelagic marine carbonates. <i>Earth-Science Reviews</i> , 2013, 127, 111-139.	9.1	84
7	The Dan-C2 hyperthermal event at Gubbio (Italy): Global implications, environmental effects, and cause(s). <i>Earth and Planetary Science Letters</i> , 2010, 297, 298-305.	4.4	82
8	Refinement of Miocene sea level and monsoon events from the sedimentary archive of the Maldives (Indian Ocean). <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	74
9	An integrated stratigraphic record of the Palaeocene–lower Eocene at Gubbio (Italy): new insights into the early Palaeogene hyperthermals and carbon isotope excursions. <i>Terra Nova</i> , 2012, 24, 380-386.	2.1	59
10	Giant magnetofossils and hyperthermal events. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 258-269.	4.4	54
11	Deep-sea mining on the Rio Grande Rise (Southwestern Atlantic): A review on environmental baseline, ecosystem services and potential impacts. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 145, 31-58.	1.4	50
12	Astronomical calibration of the middle Eocene Contessa Highway section (Gubbio, Italy). <i>Earth and Planetary Science Letters</i> , 2010, 298, 77-88.	4.4	49
13	Flux and provenance of ice-rafted debris in the earliest Pleistocene sub-polar North Atlantic Ocean comparable to the last glacial maximum. <i>Earth and Planetary Science Letters</i> , 2012, 341-344, 222-233.	4.4	49
14	Astronomic calibration of the late Eocene/early Oligocene Massignano section (central Italy). <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	47
15	Micromagnetic coercivity distributions and interactions in chondrules with implications for paleointensities of the early solar system. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	43
16	Integrated Geochemical and Morphological Data Provide Insights into the Genesis of Ferromanganese Nodules. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 488.	2.0	43
17	Carbonate delta drift: A new sediment drift type. <i>Marine Geology</i> , 2018, 401, 98-111.	2.1	42
18	Enhanced primary productivity and magnetotactic bacterial production in response to middle Eocene warming in the Neo-Tethys Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 414, 32-45.	2.3	37

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19	Genesis and Evolution of Ferromanganese Crusts from the Summit of Rio Grande Rise, Southwest Atlantic Ocean. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 349.	2.0	37
20	Mid-Cretaceous marine Os isotope evidence for heterogeneous cause of oceanic anoxic events. <i>Nature Communications</i> , 2022, 13, 239.	12.8	37
21	Carbon cycle instability and orbital forcing during the Middle Eocene Climatic Optimum. <i>Scientific Reports</i> , 2019, 9, 9357.	3.3	36
22	Mixed Carbonate-Siliciclastic Sedimentation Along the Great Barrier Reef Upper Slope: A Challenge To the Reciprocal Sedimentation Model. <i>Journal of Sedimentary Research</i> , 2015, 85, 1019-1036.	1.6	35
23	Culture-independent characterization of novel psychrophilic magnetotactic cocci from Antarctic marine sediments. <i>Environmental Microbiology</i> , 2016, 18, 4426-4441.	3.8	35
24	Eocene-Oligocene paleoceanographic changes in the stratotype section, Massignano, Italy: Clues from rock magnetism and stable isotopes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
25	Determining the style and provenance of magmatic activity during the Early Aptian Oceanic Anoxic Event (OAE 1a). <i>Global and Planetary Change</i> , 2021, 200, 103461.	3.5	33
26	Prismatic magnetite magnetosomes from cultivated <i>Magnetovibrio blakemorei</i> strain MV1: a magnetic fingerprint in marine sediments?. <i>Environmental Microbiology Reports</i> , 2012, 4, 664-668.	2.4	30
27	Middle Eocene-Lower Oligocene calcareous nannofossil biostratigraphy and paleoceanographic implications from Site 711 (equatorial Indian Ocean). <i>Marine Micropaleontology</i> , 2015, 118, 50-62.	1.2	28
28	IODP Expedition 325: Great Barrier Reefs Reveals Past Sea-Level, Climate and Environmental Changes Since the Last Ice Age. <i>Scientific Drilling</i> , 0, 12, 32-45.	0.6	28
29	Diagenetic Fate of Biogenic Soft and Hard Magnetite in Chemically Stratified Sedimentary Environments of Mamanguá, Brazil. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2313-2330.	3.4	27
30	Environmental magnetic implications of magnetofossil occurrence during the Middle Eocene Climatic Optimum (MECO) in pelagic sediments from the equatorial Indian Ocean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 212-222.	2.3	26
31	A two million year record of low-latitude aridity linked to continental weathering from the Maldives. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	26
32	Seismostratigraphy of the Ceará Plateau: Clues to Decipher the Cenozoic Evolution of Brazilian Equatorial Margin. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	25
33	Revised chronostratigraphy of DSDP Site 270 and late Oligocene to early Miocene paleoecology of the Ross Sea sector of Antarctica. <i>Global and Planetary Change</i> , 2019, 178, 46-64.	3.5	25
34	Umbria-Marche Basin, Central Italy: A Reference Section for the Aptian-Albian Interval at Low Latitudes. <i>Scientific Drilling</i> , 0, 13, 42-46.	0.6	23
35	Expedition 344 summary. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	22
36	Early Eocene orthophragminids and alveolinids from the Jafnayn Formation, N Oman: significance of <i>Nemkovella stockari</i> Less & Zan, 2007 in Tethys. <i>Geodinamica Acta</i> , 2016, 28, 160-184.	2.2	21

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37	Environmental magnetic record of paleoclimate change from the Eocene-Oligocene stratotype section, Massignano, Italy. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	20
38	Expedition 359 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	20
39	The late Eocene greenhouse-icehouse transition: Observations from the Massignano global stratotype section and point (GSSP). , 2009, , .		19
40	Shallow gas occurrence in a Brazilian rÃa (Saco do MamanguÃi, Rio de Janeiro) inferred from high-resolution seismic data. <i>Continental Shelf Research</i> , 2015, 108, 89-96.	1.8	19
41	Cyclic anoxia and organic rich carbonate sediments within a drowned carbonate platform linked to Antarctic ice volume changes: Late Oligocene-early Miocene Maldives. <i>Earth and Planetary Science Letters</i> , 2019, 521, 1-13.	4.4	19
42	Multidisciplinary Scientific Cruise to the Rio Grande Rise. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	17
43	Early Bartonian orthofragminids (Foraminiferida) from Reineche Limestone, north African platform, Tunisia: taxonomy and paleobiogeographic implications. <i>Geodinamica Acta</i> , 2013, 26, 94-121.	2.2	16
44	Mineralogical evidence for warm and dry climatic conditions in the Neo-Tethys (eastern Turkey) during the middle Eocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 501, 45-57.	2.3	16
45	Bathymicrobia occurrence in rich methane sediments from a Brazilian rÃa. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 263, 107631.	2.1	16
46	Astronomical tuning of the Aptian stage and its implications for age recalibrations and paleoclimatic events. <i>Nature Communications</i> , 2022, 13, .	12.8	16
47	Input Site U1414. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	15
48	Geomagnetic field behavior at high latitudes from a paleomagnetic record from Eltanin core 27â€“21 in the Ross Sea sector, Antarctica. <i>Earth and Planetary Science Letters</i> , 2008, 267, 435-443.	4.4	14
49	Fingerprints of partial oxidation of biogenic magnetite from cultivated and natural marine magnetotactic bacteria using synchrotron radiation. <i>Environmental Microbiology Reports</i> , 2018, 10, 337-343.	2.4	14
50	MHC class II alleles associated with clinical and immunological manifestations of HIVâ€“1 infection among children in Catalonia, Spain. <i>Tissue Antigens</i> , 1996, 47, 313-318.	1.0	13
51	The Romanche fracture zone influences the segmentation of the equatorial margin of Brazil. <i>Journal of South American Earth Sciences</i> , 2020, 103, 102738.	1.4	13
52	Integrated stratigraphy (magneto-, bio- and chronostratigraphy) and geochronology of the Palaeogene pelagic succession of the Umbriaâ€“Marche Basin (central Italy). <i>Geological Society Special Publication</i> , 2013, 373, 111-131.	1.3	12
53	Integrated biostratigraphy of the middle to upper Eocene KÃ±rkeÃ§it Formation (Baskil section, ElazÃ±), Tj ETQq1 1 0.784314 rgB 55-90.	1.2	12
54	Paleoenvironmental signature of the Selandian-Thonetian Transition Event (STTE) and Early Late Paleocene Event (ELPE) in the Contessa Road section (western Neo-Tethys). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 523, 62-77.	2.3	12

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55	Input Site U1381. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	12
56	Presence of biogenic magnetite in ferromanganese nodules. Environmental Microbiology Reports, 2020, 12, 288-295.	2.4	11
57	Abyssal oceanic circulation and acidification during the Middle Eocene Climatic Optimum (MECO). Scientific Reports, 2020, 10, 6674.	3.3	11
58	Characterisation of submarine depression trails driven by upslope migrating cyclic steps: Insights from the Cear� Basin (Brazil). Marine and Petroleum Geology, 2020, 115, 104291.	3.3	10
59	Long-term Aptian marine osmium isotopic record of Ontong Java Nui activity. Geology, 2021, 49, 1148-1152.	4.4	10
60	Miocene Phosphatization of Rocks From the Summit of Rio Grande Rise, Southwest Atlantic Ocean. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004197.	2.9	10
61	Impact of the Middle Eocene Climatic Optimum (MECO) on Foraminiferal and Calcareous Nannofossil Assemblages in the Neo-Tethyan Baskil Section (Eastern Turkey): Paleoenvironmental and Paleoclimatic Reconstructions. Applied Sciences (Switzerland), 2021, 11, 11339.	2.5	10
62	High-resolution multiproxy cyclostratigraphic analysis of environmental and climatic events across the Cretaceous-Paleogene boundary in the classic pelagic succession of Gubbio (Italy). Special Paper of the Geological Society of America, 0, , 115-137.	0.5	9
63	High-resolution integrated magnetobiostratigraphy of a new middle Eocene section from the Neotethys (Elaz� Basin, eastern Turkey). Bulletin of the Geological Society of America, 2018, 130, 193-207.	3.3	9
64	Characterization of Nd Radiogenic Isotope Signatures in Sediments From the Southwestern Atlantic Margin. Frontiers in Earth Science, 2018, 6, .	1.8	9
65	Miocene Glacial Dynamics Recorded by Variations in Magnetic Properties in the ANDRILLâ Drill Core. Journal of Geophysical Research: Solid Earth, 2019, 124, 2297-2312.	3.4	9
66	Carbon Flow for Plankton Metabolism of Saco do Mamangu�, Bay of Ilha Grande, a Subtropical Coastal Environment in the South Brazil Bight. Frontiers in Marine Science, 2019, 6, .	2.5	9
67	IODP Expedition 325: The Great Barrier Reefs Reveal Past Sea-Level, Climate and Environmental Changes Since the Last Ice Age. Scientific Drilling, 2011, , .	0.6	9
68	Rock magnetism of hematitic â€œbombsâ€ from the Araguinha impact structure, Brazil. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	8
69	Quantitative interpretation of the magnetic susceptibility frequency dependence. Geophysical Journal International, 2018, 213, 805-814.	2.4	8
70	Expedition 359 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	8
71	Middle Eocene to early Oligocene magnetostratigraphy of ODP Hole 711A (Leg 115), western equatorial Indian Ocean. Geological Society Special Publication, 2013, 373, 97-110.	1.3	7
72	Integrated magnetobiostratigraphy of the middle Eoceneâ€lower Oligocene interval from the Monte Cagnero section, central Italy. Geological Society Special Publication, 2013, 373, 79-95.	1.3	7

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73	Magnetic methods and the timing of geological processes. Geological Society Special Publication, 2013, 373, 1-12.	1.3	7
74	Orbital tuning for the middle Eocene to early Oligocene Monte Cagnero Section (Central Italy): Paleoenvironmental and paleoclimatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 577, 110563.	2.3	7
75	Integrated magnetostratigraphy, biostratigraphy, and chronostratigraphy of the Paleogene pelagic succession at Gubbio (central Italy). Special Paper of the Geological Society of America, 0, , 139-160.	0.5	6
76	Paleomagnetic constraints on the tectonic evolution of the Costa Rican subduction zone: New results from sedimentary successions of IODP drill sites from the Cocos Ridge. Geochemistry, Geophysics, Geosystems, 2015, 16, 4479-4493.	2.5	6
77	The Barremian-Aptian boundary in the Poggio le Guaine core (central Italy): Evidence for magnetic polarity Chron M0r and oceanic anoxic event 1a. Special Paper of the Geological Society of America, 0, , 57-78.	0.5	6
78	Diversions of the Ribeira River Flow and Their Influence on Sediment Supply in the Cananeia-Iguape Estuarine-Lagoonal System (SE Brazil). Frontiers in Earth Science, 2018, 6, .	1.8	6
79	Morpho-Mineralogical and Bio-Geochemical Description of Cave Manganese Stromatolite-Like Patinas (Grotta del Cervo, Central Italy) and Hints on Their Paleohydrological-Driven Genesis. Frontiers in Earth Science, 2021, 9, .	1.8	6
80	Growth of ferromanganese crusts on bioturbated soft substrate, Tropic Seamount, northeast Atlantic ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 175, 103586.	1.4	6
81	Upper slope Site U1413. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	6
82	Multistratigraphic records of the Lower Cretaceous (Valanginianâ€“Cenomanian) Puez key area in N. Italy. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 447, 65-87.	2.3	5
83	Gravity and Magnetic Constraints on the Crustal Structure of the CearÃ¡ Plateau, Brazilian Equatorial Margin. Frontiers in Earth Science, 2019, 7, .	1.8	5
84	Integrated calcareous nannofossil and magnetostratigraphic record of ODP Site 709: Middle Eocene to late Oligocene paleoclimate and paleoceanography of the Equatorial Indian Ocean. Marine Micropaleontology, 2021, 169, 102051.	1.2	5
85	Geochemical insights into formation of enigmatic ironstones from Rio Grande rise, South Atlantic Ocean. Marine Geology, 2022, 444, 106716.	2.1	5
86	The Eocene Thermal Maximum 3: Reading the environmental perturbations at Gubbio (Italy). Special Paper of the Geological Society of America, 2016, , 161-175.	0.5	4
87	Misinterpreting proxy data for paleoclimate signals: A comment on Shukla et al. 2020. Holocene, 2020, 30, 1866-1873.	1.7	4
88	Southern Ocean carbonate dissolution paced by Antarctic Ice-Sheet expansion in the early Miocene. Global and Planetary Change, 2021, 202, 103510.	3.5	4
89	Mid-slope Site U1380. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	4
90	Data Report: magnetic properties of sediments and basalts from the Costa Rica subduction margin (Expeditions 334 and 344). Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	4

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91	Benthic megafauna habitats, community structure and environmental drivers at Rio Grande Rise (SW) Tj ETQq1 1 0,784314 rgBT /Overl	1.4	4
92	Magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform) reveal changes in the monsoon system. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 533, 109283.	2.3	3
93	The Birth of a Connected South Atlantic Ocean: A Magnetostratigraphic Perspective. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	3
94	Semi-Quantitative Analysis of Major Elements and Minerals: Clues from a Late Pleistocene Core from Campos Basin. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6206.	2.5	3
95	Abundance and microbial diversity from surface to deep water layers over the Rio Grande Rise, South Atlantic. <i>Progress in Oceanography</i> , 2022, 201, 102736.	3.2	3
96	Biostratigraphy and Paleoenvironmental Reconstruction at the Gebel Nezzazat (Central Sinai, Egypt): A Paleocene Record for the Southern Tethys. <i>Geosciences (Switzerland)</i> , 2022, 12, 96.	2.2	3
97	Spatial patterns of microbial diversity in Fe-Mn deposits and associated sediments in the Atlantic and Pacific oceans. <i>Science of the Total Environment</i> , 2022, , 155792.	8.0	3
98	On the palaeomagnetic and rock magnetic constraints regarding the age of IODP 325 Hole M0058A. <i>Geological Society Special Publication</i> , 2013, 373, 279-291.	1.3	2
99	Paleomagnetism of IODP Site U1380: Implications for the Forearc Deformation in the Costa Rican Erosive Convergent Margin. <i>Scientific Reports</i> , 2018, 8, 11430.	3.3	2
100	Magnetostratigraphic Chronology of a Cenozoic Sequence From DSDP Site 274, Ross Sea, Antarctica. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	2
101	Spatial-temporal heterogeneity in a small lake and its implication for paleoclimate reconstruction. <i>Limnology</i> , 2022, 23, 17-35.	1.5	2
102	Frontal prism Site U1412. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	2
103	Magnetic Properties of Oligocene-Eocene Cores from SHALDRIL II, Antarctica. <i>Special Publications</i> , 0, , 115-130.	0.0	1
104	Dataset of characteristic remanent magnetization and magnetic properties of early Pliocene sediments from IODP Site U1467 (Maldives platform). <i>Data in Brief</i> , 2019, 27, 104666.	1.0	1
105	Regional to global correlation of Eocene-Oligocene boundary transition successions using biostratigraphic, geophysical and geochemical methods. <i>Geological Magazine</i> , 2020, 157, 80-100.	1.5	1
106	Diurnal variation effect in marine magnetometric surveys: clues from surveys in southeast Brazil. <i>Marine Geophysical Researches</i> , 2021, 42, 1.	1.2	1
107	ULTIMATE DEMISE OF LARGE UPPER CAMBRIAN MICROBIAL REEFS (MASON COUNTY, CENTRAL TEXAS). , 2016, , .		1
108	Análise preliminar dos dados magnéticos do Saco de Mamanguá e da Enseada de Paraty-Mirim, Rio de Janeiro. , 0, , .		1

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109	SEISMIC STRATIGRAPHY OF TRAPANDÁ% BAY (SOUTHERN BRAZIL) TO STUDY SEA-LEVEL CHANGES AND DEPOSITION EVOLUTION IN THE UPPER QUATERNARY. Revista Brasileira De Geofisica, 2019, 37, .	0.2	1
110	Discovery of enigmatic toroidal carbonate concretions on the Rio Grande Rise (Southwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.1	1
111	Major and trace-element mineral chemistry and implications for the petrogenesis of Eocene alkaline volcanic rocks from the western Rio Grande Rise, South Atlantic Ocean. , 2021, , .		1
112	VariaÃ\$Ã£o na mineralogia magnÃ©tica ao longo dos eventos de anoxia oceÃ¢nica do CretÃ;ceo: Um exemplo do OAE1 na Bacia Umbria-Marche, ItÃ;lia. , 2013, , .		0
113	Correction to: A two million year record of low-latitude aridity linked to continental weathering from the Maldives. Progress in Earth and Planetary Science, 2019, 6, .	3.0	0
114	High-Resolution Sub-Bottom and Magnetometer Data From Southeastern Brazilian Coast. Frontiers in Marine Science, 2020, 7, .	2.5	0
115	Editorial: Multi-Disciplinary Applications in Magnetic Chronostratigraphy. Frontiers in Earth Science, 2021, 8, .	1.8	0
116	Editorial: Bridging Environmental Magnetism With Biogeophysics to Study Biogeochemical Processes of Today. Frontiers in Earth Science, 2021, 9, .	1.8	0
117	Magnetoestratigrafia aplicada Ã dataÃ\$Ã£o de eventos climÃ;ticos durante o Eoceno e Oligoceno. , 0, , .		0
118	AN INVESTIGATIVE STUDY INTO THE DEMISE OF THE UPPER CAMBRIAN MICROBIAL REEFS (MASON COUNTY,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702		0
119	Site U1470. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	0
120	Magnetic Anomalies at the Brazilian Equatorial Margin: from CearÃ; Plateau to Saint Peter and Saint Paul Archipelago. , 2018, , .		0
121	Determining the style and provenance of magmatic activity during the Early Aptian Oceanic Anoxic Event (OAE 1a). , 2021, , .		0
122	Integrated stratigraphy of the Lutetianâ€“Priabonian pelagic section at Bottaccione (Gubbio, central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 base of the Bartonian Stage (Paleogene System, Eocene Series). , 2022, , 311-346.		0