# Francisco Javier RodrÃ-guez Tovar

List of Publications by Year
in descending order



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|---|---|---|---|
| 224 papers | 5,027 citations | 76326 40 h-index | 155660 55 g-index |
| 236 all docs | 236 docs citations | 236 times ranked | 2803 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Anatomy of Heinrich Layer 1 and its role in the last deglaciation. Paleoceanography, 2017, 32, 284-303. | 3.0 | 128 |
| 2 | Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. Nature, 2018, 558, 288-291. | 27.8 | 123 |
| 3 | High-resolution palynological analysis in late earlyâ€“middle Miocene core from the Pannonian Basin, Hungary: climatic changes, astronomical forcing and eustatic fluctuations in the Central Paratethys. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 216, 73-97. | 2.3 | 101 |
| 4 | Benthic foraminiferal morphogroups of mid to outer shelf environments of the Late Jurassic (Prebetic Zone, southern Spain): Characterization of biofacies and environmental significance. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 261, 280-299. | 2.3 | 100 |
| 5 | A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. Global and Planetary Change, 2015, 133, 49-64. | 3.5 | 99 |
| 6 | The Early Toarcian Oceanic Anoxic Event in the External Subbetic (Southiberian Palaeomargin,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Palaeoclimatology, Palaeoecology, 2014, 411, 79-94. | 2.3 | 76 |
| 7 | Foraminiferal Assemblages as Palaeoenvironmental Bioindicators in Late Jurassic Epicontinental Platforms: Relation with Trophic Conditions. Acta Palaeontologica Polonica, 2008, 53, 705-722. | 0.4 | 75 |
| 8 | The Toarcian oceanic anoxic event in the Western Saharan Atlas, Algeria (North African paleomargin): Role of anoxia and productivity. Bulletin of the Geological Society of America, 2012, 124, 1646-1664. | 3.3 | 73 |
| 9 | Saharan aeolian input and effective humidity variations over western Europe during the Holocene from a high altitude record. Chemical Geology, 2014, 374-375, 1-12. | 3.3 | 71 |
| 10 | Foraminiferal morphogroups in dysoxic shelf deposits from the Jurassic of Spitsbergen. Polar Research, 2009, 28, 214-221. | 1.6 | 70 |
| 11 | The Global Stratotype Section and Point (GSSP) for the base of the Lutetian Stage at the Gorrondatxe section, Spain. Episodes, 2011, 34, 86-108. | 1.2 | 69 |
| 12 | Trace fossils after the KT boundary event from the Agost section, SE Spain. Geological Magazine, 2004, 141, 429-440. | 1.5 | 65 |
| 13 | Foraminiferal morphogroups as a tool to approach the Toarcian Anoxic Event in the Western Saharan Atlas (Algeria). Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 323-325, 87-99. | 2.3 | 64 |
| 14 | Ichnological analysis of the Cretaceousâ€“Palaeogene boundary interval at the Caravaca section, SE Spain. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 242, 313-325. | 2.3 | 62 |
| 15 | Contourite vs gravity-flow deposits of the Pleistocene Faro Drift (Gulf of Cadiz): Sedimentological and mineralogical approaches. Marine Geology, 2016, 377, 77-94. | 2.1 | 61 |
| 16 | Digital image treatment applied to ichnological analysis of marine core sediments. Facies, 2014, 60, 39-44. | 1.4 | 60 |
| 17 | Quantitative estimation of bioturbation based on digital image analysis. Marine Geology, 2014, 349, 55-60. | 2.1 | 59 |
| 18 | Environmental conditions during the Toarcian Oceanic Anoxic Event (T-OAE) in the westernmost Tethys: influence of the regional context on a global phenomenon. Bulletin of Geosciences, 2013, , 697-712. | 1.1 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | ICHNOFABRIC EVIDENCE FOR THE LACK OF BOTTOM ANOXIA DURING THE LOWER TOARCIAN OCEANIC ANOXIC EVENT IN THE FUENTE DE LA VIDRIERA SECTION, BETIC CORDILLERA, SPAIN. Palaios, 2010, 25, 576-587. | 1.3 | 56 |
| 20 | Contourites and bottom current reworked sands: Bed facies model and implications. Marine Geology, 2020, 428, 106267. | 2.1 | 54 |
| 21 | Fe-oxide spherules infilling Thalassinoides burrows at the Cretaceous-Paleogene (K-P) boundary: Evidence of a near-contemporaneous macrobenthic colonization during the K-P event. Geology, 2005, 33, 585. | 4.4 | 53 |
| 22 | Oceanic Anoxic Event at the Cenomanianâ€“Turonian boundary interval (OAE-2): ichnological approach from the Betic Cordillera, southern Spain. Lethaia, 2009, 42, 407-417. | 1.4 | 53 |
| 23 | The permutation test as a non-parametric method for testing the statistical significance of power spectrum estimation in cyclostratigraphic research. Earth and Planetary Science Letters, 2000, 181, 175-189. | 4.4 | 52 |
| 24 | Ichnological analysis in high-resolution sequence stratigraphy: The Glossifungites ichnofacies in Triassic successions from the Betic Cordillera (southern Spain). Sedimentary Geology, 2007, 198, 293-307. | 2.1 | 52 |
| 25 | Ichnological record of deep-sea palaeoenvironmental changes around the Oceanic Anoxic Event 2 (Cenomanianâ€“Turonian boundary): An example from the BarnasiÃ³wka section, Polish Outer Carpathians. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 262, 61-71. | 2.3 | 52 |
| 26 | Fossil assemblages, lithofacies, taphofacies and interpreting depositional dynamics in the epicontinental Oxfordian of the Prebetic Zone, Betic Cordillera, southern Spain. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 185, 53-75. | 2.3 | 51 |
| 27 | Ichnological analysis of contourites: Past, present and future. Earth-Science Reviews, 2018, 182, 28-41. | 9.1 | 51 |
| 28 | High-resolution image treatment in ichnological core analysis: Initial steps, advances and prospects. Earth-Science Reviews, 2018, 177, 226-237. | 9.1 | 51 |
| 29 | A Late Jurassic Carbonate Ramp Colonized by Sponges and Benthic Microbial Communities (External) Tj ETQq1 1 0.784314 rgBT /Ove | 1.3 | 48 |
| 30 | Microbial encrustations from the Middle Oxfordian-earliest Kimmeridgian lithofacies in the Prebetic Zone (Betic Cordillera, southern Spain): characterization, distribution and controlling factors. Facies, 2005, 50, 529-543. | 1.4 | 47 |
| 31 | Toarcian ammonitico rosso facies from the South Iberian Paleomargin (Betic Cordillera, southern) Tj ETQq1 1 0.784314 rgBT /Overloc | 1.4 | 47 |
| 32 | Bioturbational disturbance of the Cretaceous-Palaeogene (K-Pg) boundary layer: Implications for the interpretation of the K-Pg boundary impact event. Geobios, 2008, 41, 661-667. | 1.4 | 46 |
| 33 | Millennial- to centennial-scale climate periodicities and forcing mechanisms in the westernmost Mediterranean for the past 20,000 yr. Quaternary Research, 2014, 81, 78-93. | 1.7 | 46 |
| 34 | Sea-level dynamics and palaeoecological factors affecting trace fossil distribution in Eocene turbiditic deposits (Gorrondatxe section, N Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 285, 50-65. | 2.3 | 45 |
| 35 | Toarcian Oceanic Anoxic Event induced unusual behaviour and palaeobiological changes in Thalassinoides tracemakers. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 46-56. | 2.3 | 44 |
| 36 | Ichnotaxonomic analysis of the Cretaceous/Palaeogene boundary interval in the Agost section, south-east Spain. Cretaceous Research, 2004, 25, 635-647. | 1.4 | 43 |

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|---|---|---|---|
| 37 | Ichnological analysis of Pleistocene sediments from the IODP Site U1385 â€œShackleton Siteâ€•on the Iberian margin: Approaching paleoenvironmental conditions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 409, 24-32. | 2.3 | 43 |
| 38 | Bioturbational redistribution of Danian calcareous nannofossils in the uppermost Maastrichtian across the K-Pg boundary at Bidart, SW France. Geobios, 2010, 43, 569-579. | 1.4 | 42 |
| 39 | Sequence stratigraphy and bedding rhythms of an outer ramp limestone succession (Late) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | 2.1 | 41 |
| 40 | The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. Scientific Drilling, 0, 16, 13-19. | 0.6 | 41 |
| 41 | Carbon isotope evidence for the timing of the Cretaceousâ€“Palaeogene macrobenthic colonisation at the Agost section (southeast Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 203, 65-72. | 2.3 | 40 |
| 42 | Use of high-resolution ichnological and stable isotope data for assessing completeness of a Kâ€“P boundary section, Agost, Spain. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 237, 137-146. | 2.3 | 40 |
| 43 | Large burrow systems in marine Miocene deposits of the Betic Cordillera (Southeast Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 268, 19-25. | 2.3 | 40 |
| 44 | ICHNOLOGICAL ANALYSIS OF LATERAL ENVIRONMENTAL HETEROGENEITY WITHIN THE BONARELLI LEVEL (UPPERMOST CENOMANIAN) IN THE CLASSICAL LOCALITIES NEAR GUBBIO, CENTRAL APENNINES, ITALY. Palaios, 2012, 27, 48-54. | 1.3 | 40 |
| 45 | Trace Fossil Rhizocorallium From The Middle Triassic Of The Betic Cordillera, Southern Spain: Characterization And Environmental Implications. Palaios, 2008, 23, 78-86. | 1.3 | 38 |
| 46 | Nutrient spatial variation during intrabasinal upwelling at the Cenomanianâ€“Turonian oceanic anoxic event in the westernmost Tethys: An ichnological and facies approach. Sedimentary Geology, 2009, 215, 83-93. | 2.1 | 38 |
| 47 | Ichnological characteristics of Late Cretaceous hemipelagic and pelagic sediments in a submarine high around the OAE-2 event: A case from the Rybie section, Polish Carpathians. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 370, 222-231. | 2.3 | 38 |
| 48 | Ecostratigraphic trends of Jurassic agglutinated foraminiferal assemblages as a response to sea-level changes in shelf deposits of Svalbard (Norway). Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 293, 184-196. | 2.3 | 37 |
| 49 | Spectral and cross-spectral analysis of uneven time series with the smoothed Lombâ€“Scargle periodogram and Monte Carlo evaluation of statistical significance. Computers and Geosciences, 2012, 49, 207-216. | 4.2 | 37 |
| 50 | Contourite characterization and its discrimination from other deepâ€•water deposits in the Gulf of Cadiz contourite depositional system. Sedimentology, 2021, 68, 987-1027. | 3.1 | 37 |
| 51 | CYSTRATI: A computer program for spectral analysis of stratigraphic successions. Computers and Geosciences, 1994, 20, 511-584. | 4.2 | 36 |
| 52 | Response of macrobenthic and foraminifer communities to changes in deep-sea environmental conditions from Marine Isotope Stage (MIS) 12 to 11 at the â€œShackleton Siteâ€• Global and Planetary Change, 2015, 133, 176-187. | 3.5 | 35 |
| 53 | Contourite facies model: Improving contourite characterization based on the ichnological analysis. Sedimentary Geology, 2019, 384, 60-69. | 2.1 | 35 |
| 54 | A NOVEL APPLICATION OF DIGITAL IMAGE TREATMENT BY QUANTITATIVE PIXEL ANALYSIS TO TRACE FOSSIL RESEARCH IN MARINE CORES. Palaios, 2014, 29, 533-538. | 1.3 | 34 |

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| 55 | How bioturbation obscured the Cretaceousâ€“Palaeogene boundary record. Terra Nova, 2015, 27, 225-230. | 2.1 | 34 |
| 56 | Diagnostic criteria using microfacies for calcareous contourites, turbidites and pelagites in the Eoceneâ€“Miocene slope succession, southern Cyprus. Sedimentology, 2021, 68, 557-592. | 3.1 | 33 |
| 57 | Diplocraterion: A Useful Marker for Sequence Stratigraphy and Correlation in the Kimmeridgian, Jurassic (Prebetic Zone, Betic Cordillera, southern Spain). Palaios, 2000, 15, 546-552. | 1.3 | 32 |
| 58 | Palaeogeographic and stratigraphic distribution of mid-late Oxfordian foraminiferal assemblages in the Prebetic Zone (Betic Cordillera, Southern Spain). Geobios, 2003, 36, 733-747. | 1.4 | 32 |
| 59 | Approaching trophic structure in Late Jurassic neritic shelves: A western Tethys example from southern Iberia. Earth-Science Reviews, 2006, 79, 101-139. | 9.1 | 32 |
| 60 | Palynological evidence for astronomical forcing in Early Miocene lacustrine deposits from Rubielos de Mora Basin (NE Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 252, 601-616. | 2.3 | 32 |
| 61 | Zoophycos in deepâ€sea sediments indicates high and seasonal primary productivity: Ichnology as a proxy in palaeoceanography during glacialâ€“interglacial variations. Terra Nova, 2016, 28, 323-328. | 2.1 | 32 |
| 62 | Quaternary chronostratigraphic framework and sedimentary processes for the Gulf of Cadiz and Portuguese Contourite Depositional Systems derived from Natural Gamma Ray records. Marine Geology, 2016, 377, 40-57. | 2.1 | 32 |
| 63 | Palaeoenvironmental turnover across the Ypresianâ€“Lutetian transition at the Agost section, Southastern Spain: In search of a marker event to define the Stratotype for the base of the Lutetian Stage. Marine Micropaleontology, 2008, 69, 297-313. | 1.2 | 31 |
| 64 | MAXENPER: a program for maximum entropy spectral estimation with assessment of statistical significance by the permutation test. Computers and Geosciences, 2005, 31, 555-567. | 4.2 | 30 |
| 65 | Vertical displacement and taphonomic filtering of nannofossils by bioturbation in the Cretaceousâ€“Palaeogene boundary section at Caravaca, SE Spain. Lethaia, 2011, 44, 321-328. | 1.4 | 30 |
| 66 | Deep-sea trace fossil and benthic foraminiferal assemblages across glacial Terminations 1, 2 and 4 at the â€œShackleton Siteâ€•(IODP Expedition 339, Site U1385). Global and Planetary Change, 2015, 133, 359-370. | 3.5 | 29 |
| 67 | Selective incidence of the toarcian oceanic anoxic event on macroinvertebrate marine communities: a case from the Lusitanian basin, Portugal. Lethaia, 2017, 50, 548-560. | 1.4 | 29 |
| 68 | Ecostratigraphic approaches, sequence stratigraphy proposals and block tectonics: examples from epioceanic swell areas in south and east Iberia. Palaeogeography, Palaeoclimatology, Palaeoecology, 1996, 121, 273-295. | 2.3 | 26 |
| 69 | Impact of the Paleoceneâ€“Eocene Thermal Maximum on the macrobenthic community: Ichnological record from the Zumaia section, northern Spain. Marine Geology, 2011, 282, 178-187. | 2.1 | 26 |
| 70 | Ichnological analysis of the Bidart and Sopelana Cretaceous/Paleogene (K/Pg) boundary sections (Basque Basin, W Pyrenees): Refining eco-sedimentary environment. Sedimentary Geology, 2011, 234, 42-55. | 2.1 | 26 |
| 71 | Palaeoenvironment of Eocene prodelta in Spitsbergen recorded by the trace fossil Phycosiphon incertum. Polar Research, 2014, 33, 23786. | 1.6 | 26 |
| 72 | Introducing Fiji and ICY image processing techniques in ichnological research as a tool for sedimentary basin analysis. Marine Geology, 2019, 413, 1-9. | 2.1 | 26 |

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| 73 | Lateral variability of ichnological content in muddy contourites: Weak bottom currents affecting organismsâ€™ behavior. Scientific Reports, 2019, 9, 17713. | 3.3 | 26 |
| 74 | Bottom-Water Conditions in a Marine Basin after the Cretaceousâ€“Paleogene Impact Event: Timing the Recovery of Oxygen Levels and Productivity. PLoS ONE, 2013, 8, e82242. | 2.5 | 26 |
| 75 | Maximum entropy spectral analysis of climatic time series revisited: Assessing the statistical significance of estimated spectral peaks. Journal of Geophysical Research, 2006, 111, n/a-n/a. | 3.3 | 24 |
| 76 | Exceptionally favourable life conditions for macrobenthos during the Late Cenomanian OAE-2 event: Ichnological record from the Bonarelli Level in the Grajcarek Unit, Polish Carpathians. Cretaceous Research, 2013, 46, 1-10. | 1.4 | 24 |
| 77 | Evaluating macrobenthic response to the Cretaceousâ€“Palaeogene event: A high-resolution ichnological approach at the Agost section (SE Spain). Cretaceous Research, 2017, 70, 96-110. | 1.4 | 24 |
| 78 | Palaeogeography and relative sea-level history forcing eco-sedimentary contexts in Late Jurassic epicontinental shelves (Prebetic Zone, Betic Cordillera): An ecostratigraphic approach. Earth-Science Reviews, 2012, 111, 154-178. | 9.1 | 23 |
| 79 | A delayed response of the trace fossil community at the Cretaceous-Paleogene boundary in the Bottaccione section, Gubbio, Central Italy. Geobios, 2015, 48, 137-145. | 1.4 | 23 |
| 80 | Geochemical and isotopic characterization of trace fossil infillings: New insights on tracemaker activity after the K/Pg impact event. Cretaceous Research, 2016, 57, 391-401. | 1.4 | 23 |
| 81 | Burrowed matrix powering dual porosity systems â€“ A case study from the Maastrichtian chalk of the Gullfaks Field, Norwegian North Sea. Marine and Petroleum Geology, 2020, 113, 104158. | 3.3 | 23 |
| 82 | Microboring and taphonomy in Middle Oxfordian to lowermost Kimmeridgian (Upper Jurassic) from the Prebetic Zone (southern Iberia). Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 212, 181-197. | 2.3 | 22 |
| 83 | Ecological replacement of Valanginian agglutinated foraminifera during a maximum flooding event in the Boreal realm (Spitsbergen). Cretaceous Research, 2012, 33, 196-204. | 1.4 | 22 |
| 84 | Evolutionary trend ofZoophycosmorphotypes from the Upper Cretaceous-Lower Miocene in the type pelagic sections of Gubbio, Italy. Lethaia, 2017, 50, 41-57. | 1.4 | 22 |
| 85 | Stable deep-sea macrobenthic trace maker associations in disturbed environments from the Eocene Lefkara Formation, Cyprus. Geobios, 2019, 52, 37-45. | 1.4 | 22 |
| 86 | Zoophycos cyclicity during the last 425ka in the northeastern South China Sea: Evidence for monsoon fluctuation at the Milankovitch scale. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 305, 256-263. | 2.3 | 21 |
| 87 | Ichnological data as a useful tool for deep-sea environmental characterization: a brief overview and an application to recognition of small-scale oxygenation changes during the Cenomanianâ€“Turonian anoxic event. Geo-Marine Letters, 2011, 31, 525-536. | 1.1 | 21 |
| 88 | Macaronichnus and contourite depositional settings: Bottom currents and nutrients as coupling factors. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 545, 109639. | 2.3 | 21 |
| 89 | Changes in western Mediterranean thermohaline circulation in association with a deglacial Organic Rich Layer formation in the Alboran Sea. Quaternary Science Reviews, 2020, 228, 106075. | 3.0 | 20 |
| 90 | The Toarcian Oceanic Anoxic Event in the South Iberian Palaeomargin. SpringerBriefs in Earth Sciences, 2018, , . | 0.5 | 20 |

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| 91 | Late Oligocene-Miocene proto-Antarctic Circumpolar Current dynamics off the Wilkes Land margin, East Antarctica. Global and Planetary Change, 2020, 191, 103221. | 3.5 | 20 |
| 92 | Ecostratigraphy and sequence stratigraphy in high frequency sea level fluctuations: examples from Jurassic macroinvertebrate assemblages. Palaeogeography, Palaeoclimatology, Palaeoecology, 1993, 101, 131-145. | 2.3 | 19 |
| 93 | Stratigraphic variation in ichnofabrics at the â€œShackleton Siteâ€•(IODP Site U1385) on the Iberian Margin: Paleoenvironmental implications. Marine Geology, 2016, 377, 118-126. | 2.1 | 19 |
| 94 | Is Macaronichnus an exclusively small, horizontal and unbranched structure? Macaronichnus segregatis degiberti isubsp. nov.. Spanish Journal of Paleontology, 2020, 29, 131. | 0.1 | 19 |
| 95 | Application of digital image treatment to the characterization and differentiation of deep-sea ichnofacies. Spanish Journal of Paleontology, 2020, 30, 265. | 0.1 | 19 |
| 96 | A library of computer programs for assisting teaching and research in cyclostratigraphic analysis. Computers and Geosciences, 2000, 26, 723-740. | 4.2 | 18 |
| 97 | Bio-events, foraminiferal and nannofossil biostratigraphy of the Cenomanian/Turonian boundary interval in the Subsilesian Nappe, Rybie section, Polish Carpathians. Cretaceous Research, 2012, 35, 181-198. | 1.4 | 18 |
| 98 | Paleoenvironmental conditions across the Cretaceousâ€“Paleogene transition at the Apennines sections (Italy): An integrated geochemical and ichnological approach. Cretaceous Research, 2017, 71, 1-13. | 1.4 | 18 |
| 99 | Ichnofacies distribution in the Eocene-Early Miocene Petra Tou Romiou outcrop, Cyprus: sea level dynamics and palaeoenvironmental implications in a contourite environment. International Journal of Earth Sciences, 2019, 108, 2531-2544. | 1.8 | 18 |
| 100 | Key evidence for distal turbiditic- and bottom-current interactions from tubular turbidite infills. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 533, 109233. | 2.3 | 18 |
| 101 | Mobility of iridium in terrestrial environments: Implications for the interpretation of impact-related mass-extinctions. Geochimica Et Cosmochimica Acta, 2010, 74, 4531-4542. | 3.9 | 17 |
| 102 | Implemented Lomb-Scargle periodogram: a valuable tool for improving cyclostratigraphic research on unevenly sampled deep-sea stratigraphic sequences. Geo-Marine Letters, 2011, 31, 537-545. | 1.1 | 17 |
| 103 | Taenidium at the lower Barremian El Hoyo dinosaur tracksite (Teruel, Spain): Assessing palaeoenvironmental conditions for the invertebrate community. Cretaceous Research, 2016, 65, 48-58. | 1.4 | 17 |
| 104 | High resolution digital image treatment to color analysis on cores from IODP Expedition 339: Approaching lithologic features and bioturbational influence. Marine Geology, 2016, 377, 127-135. | 2.1 | 17 |
| 105 | Exploring computed tomography in ichnological analysis of cores from modern marine sediments. Scientific Reports, 2020, 10, 201. | 3.3 | 17 |
| 106 | Rosselia socialisfrom the Ordovician of Asturias (Northern Spain) and the Early Evolution of Equilibrium Behavior in Polychaetes. Ichnos, 2016, 23, 147-155. | 0.5 | 16 |
| 107 | Reworked tsunami deposits by bottom currents: Circumstantial evidences from Late Pleistocene to Early Holocene in the Gulf of CÃ¡diz. Marine Geology, 2016, 377, 95-109. | 2.1 | 16 |
| 108 | Life and death in the Chicxulub impact crater: a record of the Paleoceneâ€“Eocene Thermal Maximum. Climate of the Past, 2020, 16, 1889-1899. | 3.4 | 16 |

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| 109 | Microboring and taphonomy in Middle Oxfordian to lowermost Kimmeridgian (Upper Jurassic) from the Prebetic Zone (southern Iberia). Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 212, 181-197. | 2.3 | 15 |
| 110 | The effect of bioturbation by polychaetes (Opheliidae) on benthic foraminiferal assemblages and test preservation. Palaeontology, 2017, 60, 807-827. | 2.2 | 15 |
| 111 | The Faraoni event (latest Hauterivian) in ichnological record: The RÃo Argos section of southern Spain. Cretaceous Research, 2017, 79, 109-121. | 1.4 | 15 |
| 112 | Strong evidence of high-frequency (sub-Milankovitch) orbital forcing by amplitude modulation of Milankovitch signals. Earth and Planetary Science Letters, 2003, 210, 179-189. | 4.4 | 14 |
| 113 | Taphonomy of fossil macro-invertebrate assemblages as a tool for ecostratigraphic interpretation in Upper Jurassic shelf deposits (Prebetic Zone, southern Spain). Geobios, 2008, 41, 31-42. | 1.4 | 14 |
| 114 | Palaeoenvironmental and functional interpretation of Rhizocorallium jenense spinosus (ichnosubsp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Palaeoecology, 2012, 339-341, 114-120. | 2.3 | 14 |
| 115 | Pronounced northward shift of the westerlies during MIS 17 leading to the strong 100-kyr ice age cycles. Earth and Planetary Science Letters, 2019, 511, 117-129. | 4.4 | 14 |
| 116 | Environmental significance of trace fossil assemblages in a tideâ€'wave-dominated shallow-marine carbonate system (Lower Cretaceous), northern Neo-Tethys margin, Kopet-Dagh Basin, Iran. International Journal of Earth Sciences, 2022, 111, 103-126. | 1.8 | 14 |
| 117 | Ichnological analysis: A tool to characterize deep-marine processes and sediments. Earth-Science Reviews, 2022, 228, 104014. | 9.1 | 14 |
| 118 | Trace-fossils and minor discontinuities in a marl limestone rhythmite, Lowerâ€"Middle Kimmeridgian, southern Spain. Geobios, 2002, 35, 581-593. | 1.4 | 13 |
| 119 | Planktonic versus benthic foraminifera response to Milankovitch forcing (Late Jurassic, Betic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 1.4 | 13 |
| 120 | The ichnogenus Tubotomaculum: an enigmatic pellet-filled structure from Upper Cretaceous to Miocene deep-marine deposits of southern Spain. Journal of Paleontology, 2014, 88, 1189-1198. | 0.8 | 13 |
| 121 | Rapid macrobenthic diversification and stabilization after the end-Cretaceous mass extinction event. Geology, 2020, 48, 1048-1052. | 4.4 | 13 |
| 122 | CroSSED sequence, a new tool for 3D processing in geosciences using the free software 3DSlicer. Scientific Data, 2020, 7, 270. | 5.3 | 13 |
| 123 | Using Ecostratigraphic Trends in Sequence Stratigraphy. Coastal Systems and Continental Margins, 1995, , 59-85. | 0.0 | 13 |
| 124 | Lower Ordovician (Arenig) shallow-marine trace fossils of the Pochico Formation, southern Spain: palaeoenvironmental and palaeogeographic implications at the Gondwanan and peri-Gondwanan realm. Journal of Iberian Geology, 2014, 40, . | 1.3 | 12 |
| 125 | Orbital Climate Cycles in the Fossil Record: From Semidiurnal to Million-Year Biotic Responses. Annual Review of Earth and Planetary Sciences, 2014, 42, 69-102. | 11.0 | 12 |
| 126 | Borings in gneiss boulders in the Miocene (Upper Tortonian) of the Sorbas Basin, SE Spain. Geological Magazine, 2015, 152, 287-297. | 1.5 | 12 |

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|---|---|---|---|
| 127 | Trace Fossils Assemblages from the Cenozoic â€œFlysch Unitsâ€•of the Campo de Gibraltar Complex (Southern Spain). Ichnos, 2016, 23, 53-70. | 0.5 | 12 |
| 128 | Microcodium-rich turbidites in hemipelagic sediments during the Paleoceneâ€“Eocene Thermal Maximum: Evidence for extreme precipitation events in a Mediterranean climate (RÃo Gor section,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.5 | 12 |
| 129 | Trace fossils evidence of a complex history of nutrient availability and oxygen conditions during Heinrich Event 1. Global and Planetary Change, 2019, 174, 26-34. | 3.5 | 12 |
| 130 | Recognizing key sedimentary facies and their distribution in mixed turbiditeâ€“contourite depositional systems: The case of the Pacific margin of the Antarctic Peninsula. Sedimentology, 2022, 69, 1953-1991. | 3.1 | 12 |
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