Gilles Escarguel

List of Publications by Year
in descending order

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93 papers	3,744 citations	136740 32 h-index	149479 56 g-index
96 all docs	96 docs citations	96 times ranked	4011 citing authors

#	Article	IF	Citations
1	mv<scp>morph</scp>: an <scp>r</scp> package for fitting multivariate evolutionary models to morphometric data. Methods in Ecology and Evolution, 2015, 6, 1311-1319.	2.2	350
2	Oxygen isotope fractionation between human phosphate and water revisited. Journal of Human Evolution, 2008, 55, 1138-1147.	1.3	258
3	Good Genes and Good Luck: Ammonoid Diversity and the End-Permian Mass Extinction. Science, 2009, 325, 1118-1121.	6.0	241
4	The Early Triassic ammonoid recovery: Paleoclimatic significance of diversity gradients. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 239, 374-395.	1.0	207
5	Transient metazoan reefs in the aftermath of the end-Permian mass extinction. Nature Geoscience, 2011, 4, 693-697.	5.4	122
6	Can Dental Microwear Textures Record Inter-Individual Dietary Variations?. PLoS ONE, 2010, 5, e9542.	1.1	119
7	Morphological recognition of cryptic species in the planktonic foraminifer Orbulina universa. Marine Micropaleontology, 2009, 71, 148-165.	0.5	108
8	Unexpected Early Triassic marine ecosystem and the rise of the Modern evolutionary fauna. Science Advances, 2017, 3, e1602159.	4.7	103
9	The cryptic and the apparent reversed: lack of genetic differentiation within the morphologically diverse plexus of the planktonic foraminifer Globigerinoides sacculifer. Paleobiology, 2013, 39, 21-39.	1.3	85
10	The biogeography of Early Triassic ammonoid faunas: Clusters, gradients, and networks. Geobios, 2007, 40, 749-765.	0.7	83
11	The significance of pollen signal in present-day marine terrigenous sediments: The example of the Gulf of Lions (western Mediterranean Sea). Geobios, 2007, 40, 159-172.	0.7	78
12	A biometric re-evaluation of recent claims for Early Upper Palaeolithic wolf domestication in Eurasia. Journal of Archaeological Science, 2014, 45, 80-89.	1.2	72
13	High-precision determination of18O/16O ratios of silver phosphate by EA-pyrolysis-IRMS continuous flow technique. Journal of Mass Spectrometry, 2007, 42, 36-41.	0.7	71
14	Ecological modeling of the temperature dependence of cryptic species of planktonic Foraminifera in the Southern Hemisphere. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 391, 13-33.	1.0	63
15	SSU rDNA Divergence in Planktonic Foraminifera: Molecular Taxonomy and Biogeographic Implications. PLoS ONE, 2014, 9, e104641.	1.1	60
16	Nomenclature for the Nameless: A Proposal for an Integrative Molecular Taxonomy of Cryptic Diversity Exemplified by Planktonic Foraminifera. Systematic Biology, 2016, 65, 925-940.	2.7	60
17	A contribution to deciphering the meaning of AP/NAP with respect to vegetation cover. Review of Palaeobotany and Palynology, 2008, 148, 13-35.	0.8	59
18	Smithian and Spathian (Early Triassic) ammonoid assemblages from terranes: Paleoceanographic and paleogeographic implications. Journal of Asian Earth Sciences, 2009, 36, 420-433.	1.0	59

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19	Oxygen isotope fractionation between crocodilian phosphate and water. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 243, 412-420.	1.0	58
20	PFR²: a curated database of planktonic foraminifera 18S ribosomal <scp>DNA</scp> as a resource for studies of plankton ecology, biogeography and evolution. Molecular Ecology Resources, 2015, 15, 1472-1485.	2.2	55
21	Smithian ammonoid faunas from Utah: implications for Early Triassic biostratigraphy, correlation and basinal paleogeography. Swiss Journal of Palaeontology, 2013, 132, 141-219.	0.7	52
22	An Ailuravine Rodent from the Lower Eocene Cambay Formation at Vastan, Western India, and Its Palaeobiogeographic Implications. Acta Palaeontologica Polonica, 2008, 53, 1-14.	0.4	50
23	Microbial deposits in the aftermath of the endâ€Permian mass extinction: A diverging case from the Mineral Mountains (Utah, <scp>USA</scp>). Sedimentology, 2015, 62, 753-792.	1.6	49
24	Worldwide Genotyping in the Planktonic Foraminifer Globoconella inflata: Implications for Life History and Paleoceanography. PLoS ONE, 2011, 6, e26665.	1.1	46
25	The use of MSR (Minimum Sample Richness) for sample assemblage comparisons. Paleobiology, 2011, 37, 696-709.	1.3	44
26	Global scale same-specimen morpho-genetic analysis of Truncorotalia truncatulinoides: A perspective on the morphological species concept in planktonic foraminifera. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 391, 2-12.	1.0	43
27	Small mammal (rodents and lagomorphs) European biogeography from the Late Oligocene to the mid Pliocene. Global Ecology and Biogeography, 2007, 16, 529-544.	2.7	41
28	Vegetation dynamics in southern France during the last 30kyBP in the light of marine palynology. Quaternary Science Reviews, 2007, 26, 1037-1054.	1.4	40
29	Using traditional biometrical data to distinguish West Palearctic wild boar and domestic pigs in the archaeological record: new methods and standards. Journal of Archaeological Science, 2014, 43, 1-8.	1.2	40
30	Mosaic of environments recorded by bryozoan faunas from the Middle Miocene of Hungary. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 252, 530-556.	1.0	39
31	Dispersalâ€“niche continuum index: a new quantitative metric for assessing the relative importance of dispersal versus niche processes in community assembly. Ecography, 2021, 44, 370-379.	2.1	38
32	Missing Data Estimation in Morphometrics: How Much is Too Much?. Systematic Biology, 2014, 63, 203-218.	2.7	37
33	Early Triassic Gulliver gastropods: Spatio-temporal distribution and significance for biotic recovery after the end-Permian mass extinction. Earth-Science Reviews, 2015, 146, 31-64.	4.0	37
34	PERâ€SIMPERâ€”A new tool for inferring community assembly processes from taxon occurrences. Global Ecology and Biogeography, 2019, 28, 374-385.	2.7	37
35	Biodiversity is not (and never has been) a bed of roses!. Comptes Rendus - Biologies, 2011, 334, 351-359.	0.1	33
36	Astronomically-paced coccolith size variations during the early Pliensbachian (Early Jurassic). Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 295, 281-292.	1.0	31

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37	Late Pleistocene (MIS 3â€“4) climate inferred from micromammal communities and Î´¹⁸O of rodents from Les Pradelles, France. Quaternary Research, 2013, 80, 113-124.	1.0	30
38	The alkyl glycerol ether lipid composition of heterotrophic sulfate reducing bacteria strongly depends on growth substrate. Organic Geochemistry, 2016, 98, 141-154.	0.9	30
39	A succession of Miocene rodent assemblages from fissure fillings in southern France: palaeoenvironmental interpretation and comparison with Spain. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 145, 215-230.	1.0	29
40	Unearthing deep-time biodiversity changes: The Palaeogene mammalian metacommunity of the Quercy and Limagne area (Massif Central, France). Comptes Rendus - Geoscience, 2008, 340, 602-614.	0.4	27
41	Paleoenvironmental and paleobiological origins of coccolithophorid genusWatznaueriaemergence during the late Aalenianâ€“early Bajocian. Paleobiology, 2015, 41, 415-435.	1.3	25
42	Statistical confidence intervals for relative abundances and abundance-based ratios: Simple practical solutions for an old overlooked question. Marine Micropaleontology, 2019, 151, 101751.	0.5	25
43	CONSTRUCTING, BOOTSTRAPPING, AND COMPARING MORPHOMETRIC AND PHYLOGENETIC TREES: A CASE STUDY OF NEW WORLD MONKEYS (PLATYRRHINI, PRIMATES). Journal of Mammalogy, 2005, 86, 773-781.	0.6	22
44	Early Triassic fluctuations of the global carbon cycle: New evidence from paired carbon isotopes in the western USA basin. Global and Planetary Change, 2017, 154, 10-22.	1.6	22
45	Counting taxonomic richness from discrete biochronozones of unknown duration: a simulation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 202, 181-208.	1.0	21
46	Smithian shoreline migrations and depositional settings in Timpoweap Canyon (Early Triassic, Utah,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	20
47	Paleoecology, biogeography, and evolution of reef ecosystems in the Panthalassa Ocean during the Late Triassic: Insights from reef limestone of the Sambosan Accretionary Complex, Shikoku, Japan. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 457, 31-51.	1.0	20
48	The colonization of the oceans by calcifying pelagic algae. Biogeosciences, 2019, 16, 2501-2510.	1.3	20
49	Mathematics and the Lifeway of Mesopithecus. International Journal of Primatology, 2005, 26, 801-823.	0.9	18
50	Proharpoceras Chao: a new ammonoid lineage surviving the endâ€Permian mass extinction. Lethaia, 2007, 40, 175-181.	0.6	18
51	A new family of bats in the Paleogene of Europe: Systematics and implications for the origin of emballonurids and rhinolophoids. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2008, 250, 199-216.	0.2	18
52	Controlling factors for differential subsidence in the Sonoma Foreland Basin (Early Triassic, western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	18
53	From hybridization to introgression between two closely related sympatric ant species. Journal of Zoological Systematics and Evolutionary Research, 2019, 57, 778-788.	0.6	17
54	An Early Triassic gladius associated with soft tissue remains from Idaho, USAâ€”a squid-like coleoid cephalopod at the onset of Mesozoic Era. Acta Palaeontologica Polonica, 0, 63, .	0.4	17

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55	On Mesopithecus habitat: Insights from late Miocene fossil vertebrate localities of Bulgaria. Journal of Human Evolution, 2012, 63, 162-179.	1.3	16
56	Superstesaster promissor gen. et sp. nov., a new starfish (Echinodermata, Asteroidea) from the Early Triassic of Utah, USA, filling a major gap in the phylogeny of asteroids. Journal of Systematic Palaeontology, 2018, 16, 395-415.	0.6	16
57	Effects of urbanizationâ€“climate interactions on range expansion in the invasive European pavement ant. Basic and Applied Ecology, 2020, 44, 46-54.	1.2	16
58	Evolution of depositional settings in the Torrey area during the Smithian (Early Triassic, Utah, USA) and their significance for the biotic recovery. Geological Journal, 2016, 51, 600-626.	0.6	15
59	Early Triassic environmental dynamics and microbial development during the Smithianâ€“Spathian transition (Lower Weber Canyon, Utah, USA). Sedimentary Geology, 2018, 363, 136-151.	1.0	15
60	Palaeobiogeographical distribution of Smithian (Early Triassic) ammonoid faunas within the western <scp>USA</scp> basin and its controlling parameters. Palaeontology, 2018, 61, 881-904.	1.0	14
61	Multi-scale impacts of urbanization on species distribution within the genus Tetramorium. Landscape Ecology, 2019, 34, 1937-1948.	1.9	14
62	An onshore bathyal record of tectonics and climate cycles at the onset of the Early-Middle Pleistocene Transition in the eastern Mediterranean. Quaternary Science Reviews, 2019, 209, 23-39.	1.4	13
63	Untangling phylogenetic, geometric and ornamental imprints on Early Triassic ammonoid biogeography: a similarity-distance decay study. Lethaia, 2013, 46, 19-33.	0.6	12
64	Gauging scale effects and biogeographical signals in similarity distance decay analyses: an Early Jurassic ammonite case study. Palaeontology, 2016, 59, 671-687.	1.0	12
65	Range limits in sympatric cryptic species: a case study in Tetramorium pavement ants (Hymenoptera: Formicidae) across a biogeographical boundary. Insect Conservation and Diversity, 2019, 12, 109-120.	1.4	12
66	Glow in the dark: Use of synchrotron Î¼XRF trace elemental mapping and multispectral macro-imaging on fossils from the Paris Biota (Bear Lake County, Idaho, USA). Geobios, 2019, 54, 71-79.	0.7	12
67	Exceptional fossil assemblages confirm the existence of complex Early Triassic ecosystems during the early Spathian. Scientific Reports, 2021, 11, 19657.	1.6	12
68	The use of Holocene bovid fossils to infer palaeoenvironment in Africa. Quaternary Science Reviews, 2006, 25, 763-783.	1.4	11
69	A large new collection of Palaeostylops from the Paleocene of the Flaming Cliffs area (Ulan-Nur) Tj ETQq1 1 0.784314 rgBT /Overlock 10 (Mammalia, Gliriformes). Geobios, 2012, 45, 311-322.	0.7	11
70	Morphological disparity and systematic revision of the eocrinoid genusRhopalocystis(Echinodermata, Blastozoa) from the Lower Ordovician of the central Anti-Atlas (Morocco). Journal of Paleontology, 2017, 91, 685-714.	0.5	11
71	Gastropod evidence against the Early Triassic Lilliput effect: REPLY. Geology, 2011, 39, e233-e233.	2.0	10
72	Biogeography of Triassic Ammonoids. Topics in Geobiology, 2015, , 163-187.	0.6	10

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73	MIS 5â€“1 dinoflagellate cyst analyses and morphometric evaluation of Galeacysta etrusca and Spiniferites cruciformis in southwestern Black Sea. Quaternary International, 2018, 465, 117-129.	0.7	10
74	A new brittle star (Ophiuroidea: Ophiodermatina) from the Early Triassic Paris Biota (Bear Lake) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.7	10
75	Floor-age constraining of a tectonic paroxysm of the Pyrenean orogen. Late Middle Eocene mammal age of a faulted karstic filling of the Quercy phosphorites, south-western France. Geodinamica Acta, 2000, 13, 271-280.	2.2	9
76	Multiple mating in the context of interspecific hybridization between two Tetramorium ant species. Heredity, 2020, 124, 675-684.	1.2	9
77	Evaluating the accuracy of biodiversity changes through geologic times: from simulation to solution. Paleobiology, 2017, 43, 667-692.	1.3	8
78	Holocene vegetation and climate evolution of Corpus Christi and Trinity bays: Implications on coastal Texas source-to-sink deposition. Geobios, 2018, 51, 123-135.	0.7	8
79	Late Smithian microbial deposits and their lateral marine fossiliferous limestones (Early Triassic,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	8
80	Cainotheriidae (Mammalia, Artiodactyla) from Dams (Quercy, SW France): phylogenetic relationships and evolution around the Eoceneâ€“Oligocene transition (MP19â€“MP21). Journal of Systematic Palaeontology, 2020, 18, 541-572.	0.6	8
81	Eocene Amphilemuridae of Western Europe - New data, Systematics, Related forms, Phylogeny. Palaeontographica, Abteilung A: Palaozoologie - Stratigraphie, 2008, 283, 35-82.	1.5	7
82	Amphilemuridae (Lipotyphla, Mammalia) Ã©ocÃ¨nes d'Europe occidentaleÂ: nouvelles donnÃ©es taxonomiques. Comptes Rendus - Palevol, 2006, 5, 813-820.	0.1	6
83	Biogeographical affinities of Jurassic and Cretaceous continental vertebrate assemblages from SE Asia. Geological Society Special Publication, 2009, 315, 285-300.	0.8	5
84	Using museum pelt collections to generate pollen prints from high-risk regions: A new palynological forensic strategy for geolocation. Forensic Science International, 2020, 306, 110061.	1.3	5
85	New middle and late Smithian ammonoid faunas from the Utah/Arizona border: New evidence for calibrating Early Triassic transgressive-regressive trends and paleobiogeographical signals in the western USA basin. Global and Planetary Change, 2020, 192, 103251.	1.6	5
86	Brachiopod palaeobiogeography in the western Tethys during the Early Jurassic diversity maximum: introduction of a Pontic Province. Lethaia, 2020, 53, 72-90.	0.6	4
87	Palynology from ground zero of the Chicxulub impact, southern Gulf of Mexico. Palynology, 2021, 45, 283-299.	0.7	4
88	EVOSHEEP: the makeup of sheep breeds in the ancient Near East. Antiquity, 2021, 95, .	0.5	4
89	When less is more and more is less: the impact of sampling effort on species delineation. Palaeontology, 2022, 65, .	1.0	4
90	Discrimination of conspecifics from heterospecifics in a hybrid zone: Behavioral and chemical cues in ants. Insect Science, 2022, 29, 276-288.	1.5	2

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91	Latest Smithian (Early Triassic) ammonoid assemblages in Utah (western USA basin) and their implications for regional biostratigraphy, biogeography and placement of the Smithian/Spathian boundary. Geobios, 2021, 69, 1-23.	0.7	2
92	The Paris Biota decapod (Arthropoda) fauna and the diversity of Triassic decapods. Journal of Paleontology, 2022, 96, 1235-1263.	0.5	2
93	Foreword for the thematic issue â€œThe Paris Biota (Bear Lake County, Idaho, USA): an exceptional window on the Early Triassic marine lifeâ€• Geobios, 2019, 54, 1-3.	0.7	1