

# Stephen Louwye

## List of Publications by Year in descending order

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79  
papers

1,938  
citations

236925

25  
h-index

289244

40  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the absolute abundance of dinoflagellate cysts in recent marine sediments: The Lycopodium marker-grain method put to the test. <i>Review of Palaeobotany and Palynology</i> , 2009, 157, 238-252.	1.5	141
2	Process length variation in cysts of a dinoflagellate, <i>Lingulodinium machaerophorum</i> , in surface sediments: Investigating its potential as salinity proxy. <i>Marine Micropaleontology</i> , 2009, 70, 54-69.	1.2	123
3	Miocene flooding events of western Amazonia. <i>Science Advances</i> , 2017, 3, e1601693.	10.3	113
4	Dinoflagellate cyst stratigraphy and palaeoecology of the Pliocene in northern Belgium, southern North Sea Basin. <i>Geological Magazine</i> , 2004, 141, 353-378.	1.5	102
5	Northern Hemisphere Glaciation during the Globally Warm Early Late Pliocene. <i>PLoS ONE</i> , 2013, 8, e81508.	2.5	91
6	Dinoflagellate cysts from the Cretaceous–Paleogene boundary at Ouled Haddou, southeastern Rif, Morocco: biostratigraphy, paleoenvironments and paleobiogeography. <i>Palynology</i> , 2010, 34, 90-124.	1.5	70
7	Pliocene dinoflagellate cyst stratigraphy, palaeoecology and sequence stratigraphy of the Tunnel-Canal Dock, Belgium. <i>Geological Magazine</i> , 2009, 146, 92-112.	1.5	55
8	The Upper Miocene of the southern North Sea Basin (northern Belgium): a palaeoenvironmental and stratigraphical reconstruction using dinoflagellate cysts. <i>Geological Magazine</i> , 2007, 144, 33-52.	1.5	53
9	A new age model for the Pliocene–Pleistocene Tjåfjernes section on Iceland: Its implication for the timing of North Atlantic–Pacific palaeoceanographic pathways. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 33-52.	2.3	53
10	Paleogene and Neogene lithostratigraphic units (Belgium). <i>Geologica Belgica</i> , 2002, 4, 135-152.	1.1	47
11	Process length variation in cysts of the dinoflagellate <i>Protoceratium reticulatum</i> , from surface sediments of the Baltic-Kattegat-Skagerrak estuarine system: a regional salinity proxy. <i>Boreas</i> , 2011, 40, 242-255.	2.4	45
12	Process length variation of the cyst of the dinoflagellate <i>Protoceratium reticulatum</i> in the North Pacific and Baltic–Skagerrak region: calibration as an annual density proxy and first evidence of pseudo-cryptic speciation. <i>Journal of Quaternary Science</i> , 2012, 27, 734-744.	2.1	43
13	NEW DINOFLAGELLATE CYST AND INCERTAE SEDIS TAXA FROM THE PLIOCENE OF NORTHERN BELGIUM, SOUTHERN NORTH SEA BASIN. <i>Journal of Paleontology</i> , 2004, 78, 625-644.	0.8	40
14	The Miocene–Pliocene hiatus in the southern North Sea Basin (northern Belgium) revealed by dinoflagellate cysts. <i>Geological Magazine</i> , 2010, 147, 760-776.	1.5	40
15	Characterising the middle Miocene Mi-events in the Eastern North Atlantic realm: A first high-resolution marine palynological record from the Porcupine Basin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 399, 140-159.	2.3	39
16	Integrated stratigraphy and palaeoecology of the Lower and Middle Miocene of the Porcupine Basin. <i>Geological Magazine</i> , 2008, 145, 321-344.	1.5	36
17	Late Quaternary environmental changes and latitudinal shifts of the Antarctic Circumpolar Current as recorded by dinoflagellate cysts from offshore Chile (41°S). <i>Quaternary Science Reviews</i> , 2010, 29, 1025-1039.	3.0	35
18	Dinoflagellate cyst stratigraphy and palaeoenvironment of the marginal marine Middle and Upper Miocene of the eastern Campine area, northern Belgium (southern North Sea Basin). <i>Geological Journal</i> , 2008, 43, 75-94.	1.3	33

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19	The geographical distribution and (palaeo)ecology of <i>Selenopemphix undulata</i> sp. nov., a new late Quaternary dinoflagellate cyst from the Pacific Ocean. <i>Marine Micropaleontology</i> , 2011, 78, 65-83.	1.2	31
20	<i>Archaeoziphius microglenoideus</i> , a new primitive beaked whale (Mammalia, Cetacea, odontoceti) from the Middle Miocene of Belgium. <i>Journal of Vertebrate Paleontology</i> , 2006, 26, 182-191.	1.0	30
21	30,000 years of productivity and salinity variations in the late Quaternary Cariaco Basin revealed by dinoflagellate cysts. <i>Boreas</i> , 2009, 38, 647-662.	2.4	29
22	Recent geographical distribution of organic-walled dinoflagellate cysts in the southeast Pacific (25°S–53°S) and their relation to the prevailing hydrographical conditions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 298, 319-340.	2.3	29
23	Dinoflagellate cyst biostratigraphy of the Upper Miocene Deurne Sands (Diest Formation) of northern Belgium, southern North Sea Basin. <i>Geological Journal</i> , 2002, 37, 55-67.	1.3	28
24	The Early and Middle Miocene transgression at the southern border of the North Sea Basin (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	27
25	Organic-walled dinoflagellate cysts from the Upper Cretaceous–lower Paleocene succession in the western External Rif, Morocco: New species and new biostratigraphic results. <i>Geobios</i> , 2014, 47, 291-304.	1.4	27
26	New dinoflagellate cyst species from Cretaceous/Palaeogene boundary deposits at Ouled Haddou, south-eastern Rif, Morocco. <i>Cretaceous Research</i> , 2008, 29, 329-344.	1.4	25
27	On <i>Prophoca</i> and <i>Leptophoca</i> (Pinnipedia, Phocidae) from the Miocene of the North Atlantic realm: redescription, phylogenetic affinities and paleobiogeographic implications. <i>PeerJ</i> , 2017, 5, e3024.	2.0	24
28	New species of organic-walled dinoflagellate cysts from the Maastrichtian–Danian boundary interval at Ouled Haddou, northern Morocco. <i>Alcheringa</i> , 2012, 36, 337-353.	1.2	23
29	Commercial bumblebee hives to assess an anthropogenic environment for pollinator support: a case study in the region of Ghent (Belgium). <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2357-2367.	2.7	23
30	Postglacial evolution of vegetation and environment in the Scheldt Basin (northern Belgium). <i>Vegetation History and Archaeobotany</i> , 2017, 26, 293-311.	2.1	22
31	Average process length variation of the marine dinoflagellate cyst <i>Operculodinium centrocarpum</i> in the tropical and Southern Hemisphere Oceans: Assessing its potential as a palaeosalinity proxy. <i>Marine Micropaleontology</i> , 2012, 86-87, 45-58.	1.2	21
32	The dinoflagellate cyst genera <i>Achomosphaera</i> Evitt 1963 and <i>Spiniferites</i> Mantell 1850 in Pliocene to modern sediments: a summary of round table discussions. <i>Palynology</i> , 2018, 42, 10-44.	1.5	21
33	A critical revision of the fossil record, stratigraphy and diversity of the Neogene seal genus <i>Monotherium</i> (Carnivora, Phocidae). <i>Royal Society Open Science</i> , 2018, 5, 171669.	2.4	20
34	Reappraisal of the extinct seal <i>Phoca vitulinoides</i> from the Neogene of the North Sea Basin, with bearing on its geological age, phylogenetic affinities, and locomotion. <i>PeerJ</i> , 2017, 5, e3316.	2.0	20
35	Taxonomic Re-Investigation and Geochemical Characterization of Reid's (1974) Species of <i>Spiniferites</i> from Holotype and Topotype Material. <i>Palynology</i> , 2018, 42, 93-110.	1.5	19
36	Coccolithophores as palaeoecological indicators for shifts of the ITCZ in the Cariaco Basin during the late Quaternary. <i>Journal of Quaternary Science</i> , 2009, 24, 159-174.	2.1	17

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37	The affiliation of <i>Hexasterias problematica</i> and <i>Halodinium verrucatum</i> sp. nov. to ciliate cysts based on molecular phylogeny and cyst wall composition. <i>European Journal of Protistology</i> , 2018, 66, 115-135.	1.5	17
38	Dinoflagellate cysts and acritarchs from the Miocene Zonderschot sands, northern Belgium: stratigraphic significance and correlation with contiguous areas. <i>Geologica Belgica</i> , 2001, 3, 55-65.	1.1	17
39	Les kystes de dinoflagelles et palynofacies de la transition Maastrichtien-Danien du stratotype El kef (Tunisie). <i>Comptes Rendus - Palevol</i> , 2015, 14, 167-180.	0.2	16
40	Diversity of late Neogene Monachinae (Carnivora, Phocidae) from the North Atlantic, with the description of two new species. <i>Royal Society Open Science</i> , 2018, 5, 172437.	2.4	16
41	A new species of <i>Metopocetus</i> (Cetacea, Mysticeti, Cetotheriidae) from the Late Miocene of the Netherlands. <i>PeerJ</i> , 2016, 4, e1572.	2.0	15
42	A review of the lower and middle Miocene of northern Belgium. <i>Geologica Belgica</i> , 2020, 23, 137-156.	1.1	13
43	Palaeoenvironmental reconstruction and biostratigraphy with marine palynomorphs of the Pliocene in Tjörn, Northern Iceland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 376, 224-243.	2.3	12
44	Diversity and distribution of dinoflagellate cysts in surface sediments from fjords of western Vancouver Island (British Columbia, Canada). <i>Marine Micropaleontology</i> , 2018, 143, 12-29.	1.2	12
45	Taxonomic revision, phylogeny, and cyst wall composition of the dinoflagellate cyst genus <i>Votadinium</i> Reid (Dinophyceae, Peridinales, Protoperidiniaceae). <i>Palynology</i> , 2020, 44, 310-335.	1.5	12
46	The Kasterlee Formation and its relation with the Diest and Mol Formations in the Belgian Campine. <i>Geologica Belgica</i> , 2020, 23, 265-287.	1.1	12
47	New acritarchs from the late Cenozoic of the southern North Sea Basin and the North Atlantic realm. <i>Palynology</i> , 2014, 38, 38-50.	1.5	11
48	<i>Scaldiporia vandokkumi</i> , a new pontoporiid (Mammalia, Cetacea, Odontoceti) from the Late Miocene to earliest Pliocene of the Westerschelde estuary (The Netherlands). <i>PeerJ</i> , 2017, 5, e3991.	2.0	11
49	Pliocene landscape and vegetation reconstruction of the coastal area of the Tjörn peninsula, Northern Iceland. <i>Boreas</i> , 2013, 42, 108-122.	2.4	10
50	Reconstruction of the late Holocene paleoenvironment of the western Beagle Channel (Argentina) based on a palynological analysis. <i>Quaternary International</i> , 2017, 442, 2-12.	1.5	10
51	Early to middle Holocene palaeoenvironmental reconstruction of the Beagle Channel (southernmost) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.4	10
52	The chitinozoan biostratigraphy of the Silurian of the Ronquières-Monstreux area (Brabant Massif,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	9
53	Middle Miocene Temperature and Productivity Evolution at a Northeast Atlantic Shelf Site (IODP) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 36, e2020PA004059.	2.9	9
54	The stratigraphic position of a Pliocene tidal clay deposit at Grobbendonk (Antwerp Province,) Tj ETQq0 0 0 rgBT /Overlock 10 T Tf 50 62 T	1.1	9

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55	The Diest Formation: a review of insights from the last decades. <i>Geologica Belgica</i> , 2020, 23, 199-218.	1.1	9
56	<i>Selenopemphix islandensis</i> sp. nov.: a new organic-walled dinoflagellate cyst from the Lower Pliocene TjÅrnes beds, northern Iceland. <i>Palynology</i> , 2012, 36, 10-25.	1.5	8
57	Dinoflagellate cyst biostratigraphy and palaeoecology of the early Paleogene Landana reference section, Cabinda Province, Angola. <i>Palynology</i> , 2020, 44, 280-309.	1.5	8
58	The internal division of the Pliocene Lillo Formation: correlation between Cone Penetration Tests and lithostratigraphic type sections. <i>Geologica Belgica</i> , 2020, 23, 333-343.	1.1	8
59	A reappraisal of the stratigraphy of the upper Miocene unit X in the Maaseik core, eastern Campine area (northern Belgium). <i>Geologica Belgica</i> , 2020, 23, 289-295.	1.1	8
60	The Pliocene Lillo, Poederlee, Merksplas, Mol and Kieseloolite Formations in northern Belgium: a synthesis. <i>Geologica Belgica</i> , 2020, 23, 297-313.	1.1	7
61	The upper Miocene Deurne Member of the Diest Formation revisited: unexpected results from the study of a large temporary outcrop near Antwerp International Airport, Belgium. <i>Geologica Belgica</i> , 2020, 23, 219-252.	1.1	7
62	New dinoflagellate cyst species of the Microdinium and Phanerodinium Complexes (Evitt) from the Upper Cretaceous–Lower Paleogene Chalk Group in the Meer borehole, northern Belgium. <i>Review of Palaeobotany and Palynology</i> , 2011, 168, 41-50.	1.5	6
63	<i>Islandinium pacificum</i> sp. nov., a new dinoflagellate cyst from the upper Quaternary of the northeast Pacific. <i>Palynology</i> , 2020, 44, 80-93.	1.5	6
64	Attenuated Total Reflection (ATR) Micro-Fourier Transform Infrared (Micro-FT-IR) Spectroscopy to Enhance Repeatability and Reproducibility of Spectra Derived from Single Specimen Organic-Walled Dinoflagellate Cysts. <i>Applied Spectroscopy</i> , 2022, 76, 235-254.	2.2	6
65	A reinterpretation of the ages and depositional environments of the lower and middle Miocene stratigraphic records in a key area along the southern margin of the North Sea Basin. <i>Geological Magazine</i> , 2019, 156, 525-532.	1.5	5
66	A late surviving Pliocene seal from high latitudes of the North Atlantic realm: the latest monachine seal on the southern margin of the North Sea. <i>PeerJ</i> , 2018, 6, e5734.	2.0	5
67	The architecture of the Kattendijk Formation and the implications on the early Pliocene depositional evolution of the southern margin of the North Sea Basin. <i>Geologica Belgica</i> , 2020, 23, 323-331.	1.1	5
68	New organic-walled dinoflagellate cyst species from the Upper Cretaceous–Lower Palaeocene Chalk Group in the Meer and Turnhout boreholes, Campine Basin, northern Belgium. <i>Review of Palaeobotany and Palynology</i> , 2013, 192, 10-21.	1.5	4
69	Some new acritarch species from the lower and middle Miocene of the Porcupine Basin, North Atlantic Ocean: biostratigraphy and palaeoecology. <i>Palynology</i> , 2015, 39, 37-55.	1.5	4
70	Ecology and fluvial dynamics of an Early Holocene medium-sized European lowland river valley (Upper Tj ETQq0 0,0 rgBT /Overlock 10	2.4	4
71	Late Miocene increase in sediment accommodation rates in the southern North Sea Basin. <i>Geological Journal</i> , 2020, 55, 728-736.	1.3	4
72	<i>Hiddenocysta matsukae</i> gen. et sp. nov. from the Holocene of Vancouver Island, British Columbia, Canada. <i>Palynology</i> , 2021, 45, 103-114.	1.5	4

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73	First eurhinodelphinid dolphin from the Paratethys reveals a new family of specialised echolocators. <i>Historical Biology</i> , 2023, 35, 1074-1091.	1.4	4
74	A new early Pliocene species of <i>Mesoplodon</i> : a calibration mark for the radiation of this species-rich beaked whale genus. <i>Journal of Vertebrate Paleontology</i> , 2016, 36, e1055754.	1.0	3
75	New junior synonyms of the Late Cretaceous dinoflagellate cysts <i>Membranigonyaulax wilsonii</i> Slimani 1994 and <i>Turnhosphaera hypoflata</i> (Yun 1981) Slimani 1994. <i>Palynology</i> , 2012, 36, 110-115.	1.5	2
76	The Pleistocene palaeoenvironment and stratigraphy of Flatey island (northern Iceland): a preliminary assessment based on palynomorphs. <i>Boreas</i> , 2015, 44, 588-602.	2.4	2
77	A revised and improved age model for the middle Miocene part of IODP Site U1318 (Porcupine Basin,) Tj ETQq1 1 0,784314 rgBT /Overl	1.5	2
78	An introduction to the Neogene stratigraphy of northern Belgium: present status. <i>Geologica Belgica</i> , 2020, 23, 97-112.	1.1	1
79	Changes in the source of nutrients associated with oceanographic dynamics offshore southern Chile (41°S) over the last 25,000 years. <i>Quaternary Research</i> , 2013, 80, 495-501.	1.7	0