

# Alessandro Amorosi

## List of Publications by Year in descending order

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113  
papers

4,614  
citations

81900

39  
h-index

110387

64  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Markers of the last interglacial sea-level high stand along the coast of Italy: Tectonic implications. Quaternary International, 2006, 145-146, 30-54.	1.5	397
2	Holocene relative sea-level changes and vertical movements along the Italian and Istrian coastlines. Quaternary International, 2009, 206, 102-133.	1.5	202
3	Detecting compositional, spatial, and temporal attributes of glaucony: a tool for provenance research. Sedimentary Geology, 1997, 109, 135-153.	2.1	167
4	Diagenesis and reservoir quality evolution of palaeocene deep-water, marine sandstones, the Shetland-Faroes Basin, British continental shelf. Marine and Petroleum Geology, 2008, 25, 514-543.	3.3	165
5	Geochemical and mineralogical variations as indicators of provenance changes in Late Quaternary deposits of SE Po Plain. Sedimentary Geology, 2002, 151, 273-292.	2.1	160
6	Palaeogeographic and palaeoclimatic evolution of the Po Plain from 150-ky core records. Global and Planetary Change, 2004, 40, 55-78.	3.5	143
7	Sea-level rise and potential drowning of the Italian coastal plains: Flooding risk scenarios for 2100. Quaternary Science Reviews, 2017, 158, 29-43.	3.0	137
8	Late Quaternary depositional architecture of Po and Tevere river deltas (Italy) and worldwide comparison with coeval deltaic successions. Sedimentary Geology, 2001, 144, 357-375.	2.1	135
9	Onshore to offshore anatomy of a late Quaternary source-to-sink system (Po Plain–Adriatic Sea). Tj ETQq1 1 0.784314 rgBT /Overl	9.1	103
10	Millennial-scale depositional cycles from the Holocene of the Po Plain, Italy. Marine Geology, 2005, 222-223, 7-18.	2.1	101
11	Global sea-level control on local parasequence architecture from the Holocene record of the Po Plain, Italy. Marine and Petroleum Geology, 2017, 87, 99-111.	3.3	95
12	Facies Architecture and Latest Pleistocene–Holocene Depositional History of the Po Delta (Comacchio Area), Italy. Journal of Geology, 2003, 111, 39-56.	1.4	91
13	Genetically related alluvial deposits across active fault zones: an example of alluvial fan-terrace correlation from the upper Quaternary of the southern Po Basin, Italy. Sedimentary Geology, 1996, 102, 275-295.	2.1	85
14	Glacio-Eustatic Control of Continental–Shallow Marine Cyclicity from Late Quaternary Deposits of the Southeastern Po Plain, Northern Italy. Quaternary Research, 1999, 52, 1-13.	1.7	85
15	Climatic signature of cyclic fluvial architecture from the Quaternary of the central Po Plain, Italy. Sedimentary Geology, 2008, 209, 58-68.	2.1	85
16	Holocene slip rate of the North Anatolian Fault beneath the Sea of Marmara. Earth and Planetary Science Letters, 2004, 227, 411-426.	4.4	80
17	High-resolution sequence stratigraphy from piezocone tests: an example from the Late Quaternary deposits of the southeastern Po Plain. Sedimentary Geology, 1999, 128, 67-81.	2.1	73
18	Sequence stratigraphy and the resolution of the fossil record. Geology, 2013, 41, 239-242.	4.4	73

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19	Aeolian beach ridges and their significance for climate and sea level: Concept and insight from the Levant coast (East Mediterranean). <i>Earth-Science Reviews</i> , 2013, 121, 31-54.	9.1	71
20	Evolution patterns of glaucony maturity: A mineralogical and geochemical approach. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1364-1374.	1.4	70
21	Late Quaternary palaeoenvironmental evolution of the Adriatic coastal plain and the onset of Po River Delta. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 268, 80-90.	2.3	66
22	Chromium and nickel as indicators of source-to-sink sediment transfer in a Holocene alluvial and coastal system (Po Plain, Italy). <i>Sedimentary Geology</i> , 2012, 280, 260-269.	2.1	66
23	Sand Composition and Sedimentary Evolution of a Late Quaternary Depositional Sequence, Northwestern Adriatic Coast, Italy. <i>Journal of Sedimentary Research</i> , 2000, 70, 829-838.	1.6	63
24	Late Quaternary incision and deposition in an active volcanic setting: The Volturno valley fill, southern Italy. <i>Sedimentary Geology</i> , 2012, 282, 307-320.	2.1	63
25	Climate change signature of small-scale parasequences from Lateglacial-Holocene transgressive deposits of the Arno valley fill. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 273, 142-152.	2.3	61
26	Influence of sediment provenance on background values of potentially toxic metals from near-surface sediments of Po coastal plain (Italy). <i>International Journal of Earth Sciences</i> , 2007, 96, 389-396.	1.8	59
27	Early Holocene transgressive palaeogeography in the Po coastal plain (northern Italy). <i>Sedimentology</i> , 2017, 64, 1792-1816.	3.1	56
28	Influence of inherited topography on the Holocene sedimentary evolution of coastal systems: An example from Arno coastal plain (Tuscany, Italy). <i>Geomorphology</i> , 2011, 135, 117-128.	2.6	55
29	Late Quaternary climatic evolution of the Arno coastal plain (Western Tuscany, Italy) from subsurface data. <i>Sedimentary Geology</i> , 2007, 202, 211-229.	2.1	53
30	Paleosols and associated channel-belt sand bodies from a continuously subsiding late Quaternary system (Po Basin, Italy): New insights into continental sequence stratigraphy. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 449-463.	3.3	52
31	Coalescent valley fills from the late Quaternary record of Tuscany (Italy). <i>Quaternary International</i> , 2013, 288, 129-138.	1.5	50
32	Sequence stratigraphy and late Quaternary paleoenvironmental evolution of the Northern Adriatic coastal plain (Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 466, 265-278.	2.3	46
33	Middle to late Holocene environmental evolution of the Pisa coastal plain (Tuscany, Italy) and early human settlements. <i>Quaternary International</i> , 2013, 303, 93-106.	1.5	45
34	The Middle-Upper Pleistocene Fronte Section (Taranto, Italy): An exceptionally preserved marine record of the Last Interglacial. <i>Global and Planetary Change</i> , 2014, 119, 23-38.	3.5	44
35	Provenance of siliciclastic and hybrid turbiditic arenites of the Eocene Hecho Group, Spanish Pyrenees: implications for the tectonic evolution of a foreland basin. <i>Basin Research</i> , 2010, 22, 157-180.	2.7	43
36	Paleosol architecture of a late Quaternary basin-margin sequence and its implications for high-resolution, non-marine sequence stratigraphy. <i>Global and Planetary Change</i> , 2014, 112, 12-25.	3.5	43

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37	Differential responses of marine communities to natural and anthropogenic changes. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142990.	2.6	43
38	Glaucy and Sequence Stratigraphy: A Conceptual Framework of Distribution in Siliciclastic Sequences. Journal of Sedimentary Research, 1995, Vol. 65B, .	1.6	42
39	Fingerprinting sedimentary and soil units by their natural metal contents: A new approach to assess metal contamination. Science of the Total Environment, 2014, 500-501, 361-372.	8.0	40
40	Glaucy from the Eocene of the Isle of Wight (southern UK): implications for basin analysis and sequence-stratigraphic interpretation. Journal of the Geological Society, 1997, 154, 887-896.	2.1	39
41	Biosedimentary record of postglacial coastal dynamics: high-resolution sequence stratigraphy from the northern Tuscany coast (Italy). Boreas, 2014, 43, 939-954.	2.4	38
42	Stepwise post-glacial transgression in the Rhône Delta area as revealed by high-resolution core data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 374, 314-326.	2.3	33
43	Quantitative Bathymetric Models for Late Quaternary Transgressive-Regressive Cycles of the Po Plain, Italy. Journal of Geology, 2014, 122, 649-670.	1.4	31
44	Flooding scenario for four Italian coastal plains using three relative sea level rise models. Journal of Maps, 2017, 13, 961-967.	2.0	30
45	Threefold nature of coastal progradation during the Holocene eustatic highstand, Po Plain, Italy – close correspondence of stratal character with distribution patterns. Sedimentology, 2019, 66, 3029-3052.	3.1	30
46	The Pleistocene tectono-sedimentary evolution of the Apenninic foreland basin between Trigno and Fortore rivers (Southern Italy) through a sequence-stratigraphic perspective. Basin Research, 2012, 24, 213-233.	2.7	29
47	A potential global boundary stratotype section and point (GSSP) for the Tarentian Stage, Upper Pleistocene, from the Taranto area (Italy): Results and future perspectives. Quaternary International, 2015, 383, 145-157.	1.5	29
48	Contrasting alluvial architecture of Late Pleistocene and Holocene deposits along a 120-km transect from the central Po Plain (northern Italy). Sedimentary Geology, 2016, 341, 265-275.	2.1	29
49	A late Quaternary multiple paleovalley system from the Adriatic coastal plain (Biferno River, Southern Tj ETQq1 1 0,784314 regBT /Over	2.6	29
50	Late Quaternary aggradation rates and stratigraphic architecture of the southern Po Plain, Italy. Basin Research, 2017, 29, 234-248.	2.7	29
51	Systematic vertical and lateral changes in quality and time resolution of the macrofossil record: Insights from Holocene transgressive deposits, Po coastal plain, Italy. Marine and Petroleum Geology, 2017, 87, 128-136.	3.3	29
52	Sand composition changes across key boundaries of siliciclastic and hybrid depositional sequences. Sedimentary Geology, 2011, 236, 153-163.	2.1	27
53	Palaeoenvironments and palaeotopography of a multilayered city during the Etruscan and Roman periods: early interaction of fluvial processes and urban growth at Pisa (Tuscany, Italy). Journal of Archaeological Science, 2015, 59, 197-210.	2.4	27
54	Ephemeral rollover points and clinothem evolution in the modern Po Delta based on repeated bathymetric surveys. Basin Research, 2020, 32, 402-418.	2.7	27

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55	Influence of Holocene stratigraphic architecture on ground surface settlements: A case study from the City of Pisa (Tuscany, Italy). <i>Sedimentary Geology</i> , 2012, 281, 75-87.	2.1	26
56	Human-landscape interactions in the Bologna area (northern Italy) during the mid-late Holocene, with focus on the Roman period. <i>Holocene</i> , 2013, 23, 1560-1571.	1.7	25
57	The value of pocket penetration tests for the high-resolution palaeosol stratigraphy of late Quaternary deposits. <i>Geological Journal</i> , 2015, 50, 670-682.	1.3	24
58	Basin-scale stratigraphic correlation of late Pleistocene-Holocene (MIS 5e-MIS 1) strata across the rapidly subsiding Po Basin (northern Italy). <i>Quaternary Science Reviews</i> , 2020, 237, 106300.	3.0	22
59	The Lower Miocene siliceous zone: a marker in the palaeogeographic evolution of the northern Apennines. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1995, 118, 131-149.	2.3	21
60	Sediment composition, provenance, and Holocene paleoenvironmental evolution of the Southern Po River coastal plain (Italy). <i>Geological Journal</i> , 2018, 53, 914-928.	1.3	21
61	Glaucy from the Cretaceous of the Sierra de Guadarrama (Central Spain) and its application in a sequence-stratigraphic context. <i>International Journal of Earth Sciences</i> , 2012, 101, 415-427.	1.8	20
62	Climatic signature of two mid-late Holocene fluvial incisions formed under sea-level highstand conditions (Pisa coastal plain, NW Tuscany, Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 424, 183-195.	2.3	20
63	New evidence on the spatial-temporal distribution of superlobes in the Yellow River Delta Complex. <i>Quaternary Science Reviews</i> , 2019, 214, 117-138.	3.0	20
64	Magdala harbour sedimentation (Sea of Galilee, Israel), from natural to anthropogenic control. <i>Quaternary International</i> , 2013, 303, 120-131.	1.5	18
65	Late-glacial to Holocene depositional architecture of the Ombrone palaeovalley system (Southern Tj ETQq1 1 0.784314 rgBT / Over 1124-1148.	3.1	18
66	Stratigraphic control on earthquake-induced liquefaction: A case study from the Central Po Plain (Italy). <i>Sedimentary Geology</i> , 2016, 345, 42-53.	2.1	17
67	Stratigraphic signatures of mass extinctions: ecological and sedimentary determinants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181191.	2.6	17
68	Peat layer accumulation and post-burial deformation during the mid-late Holocene in the Po coastal plain (Northern Italy). <i>Basin Research</i> , 2019, 31, 621-639.	2.7	17
69	Deciphering the effects of human activity on urban areas through morphostratigraphic analysis: The case of Pisa, Northwest Italy. <i>Geoarchaeology - an International Journal</i> , 2018, 33, 43-51.	1.5	16
70	Glaucitic-rich strata from Oligo-Miocene shallow-marine siliciclastic deposits of the northern margin of Africa (Tunisia): geochemical approach for basin analysis. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1731-1742.	1.3	15
71	Late Quaternary multiple incised valley systems: An unusually well-preserved stratigraphic record of two interglacial valley-fill successions from the Arno Plain (northern Tuscany, Italy). <i>Sedimentology</i> , 2017, 64, 1901-1928.	3.1	15
72	Predictive Diagenetic Clay-Mineral Distribution in Siliciclastic Rocks within a Sequence Stratigraphic Framework. , 0, , 43-61.		14

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73	Origin of VC-only plumes from naturally enhanced dechlorination in a peat-rich hydrogeologic setting. <i>Journal of Contaminant Hydrology</i> , 2016, 192, 129-139.	3.3	13
74	Tracing clinothem geometry and sediment pathways in the prograding Holocene Po Delta system through integrated core stratigraphy. <i>Basin Research</i> , 2020, 32, 206-215.	2.7	13
75	River avulsions and sedimentary evolution of the Luanhe fan-delta system (North China) since the late Pleistocene. <i>Marine Geology</i> , 2020, 425, 106194.	2.1	13
76	Geochemical anomalies of potentially hazardous elements reflect catchment geology: An example from the Tyrrhenian coast of Italy. <i>Science of the Total Environment</i> , 2020, 714, 136870.	8.0	13
77	High-frequency depositional cycles within the late Quaternary alluvial succession of Reno River (northern Italy). <i>Italian Journal of Geosciences</i> , 2015, 134, 339-354.	0.8	13
78	Reconstructing Last Glacial Maximum and Younger Dryas paleolandscapes through subsurface paleosol stratigraphy: An example from the Po coastal plain, Italy. <i>Geomorphology</i> , 2017, 295, 790-800.	2.6	12
79	Late Quaternary sequence stratigraphy as a tool for groundwater exploration: Lessons from the Po River Basin (northern Italy). <i>AAPG Bulletin</i> , 2020, 104, 681-710.	1.5	12
80	Données stratigraphiques nouvelles concernant l'évolution fluviale de la plaine côtière de l'Arno (Toscane, Italie) à l'Holocène moyen-supérieur. <i>Geomorphologie Relief, Processus, Environnement</i> , 2012, 18, 201-214.	0.4	12
81	A mid-late Holocene tidally-influenced drainage system revealed by integrated remote sensing, sedimentological and stratigraphic data. <i>Geomorphology</i> , 2018, 318, 421-436.	2.6	11
82	Decoupled geomorphic and sedimentary response of Po River and its Alpine tributaries during the last glacial/post-glacial episode. <i>Geomorphology</i> , 2018, 317, 184-198.	2.6	11
83	Climate control on stacked paleosols in the Pleistocene of the Po Basin (northern Italy). <i>Journal of Quaternary Science</i> , 2020, 35, 559-571.	2.1	11
84	Palaeoenvironmental changes in the Pliocene Intra-Apenninic Basin, near Bologna (Northern Italy). <i>Geobios</i> , 2002, 35, 7-18.	1.4	10
85	Shifts in sediment provenance across a hierarchy of bounding surfaces: A sequence-stratigraphic perspective from bulk-sediment geochemistry. <i>Sedimentary Geology</i> , 2018, 375, 145-156.	2.1	10
86	Patterns of geochemical variability across weakly developed paleosol profiles and their role as regional stratigraphic markers (Upper Pleistocene, Po Plain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 574, 110413.	2.3	10
87	ANATOMY OF A CONDENSED SECTION: THE LOWER CENOMANIAN GLAUCONY-RICH DEPOSITS OF CAP BLANC-NEZ (BOULONNAIS, NORTHERN FRANCE). , 2000, , 405-413.		10
88	Cyclic variations in sediment provenance from late Pleistocene deposits of the eastern Po Plain, Italy. , 2007, , .		9
89	Assessing natural contents of hazardous metals in soils by different analytical methods and its impact on environmental legislative measures. <i>International Journal of Environment and Pollution</i> , 2011, 46, 164.	0.2	9
90	Sediment dispersal pathways in the Po coastal plain since the Last Glacial Maximum: Provenance signals of autogenic and eustatic forcing. <i>Basin Research</i> , 2021, 33, 1407-1428.	2.7	9

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91	Background levels of potentially toxic metals from soils of the Pisa coastal plain (Tuscany, Italy) as identified from sedimentological criteria. <i>Environmental Earth Sciences</i> , 2013, 69, 1661-1671.	2.7	8
92	Deformation patterns of upper Quaternary strata and their relation to active tectonics, Po Basin, Italy. <i>Sedimentology</i> , 2021, 68, 402-424.	3.1	8
93	Millennial-scale shifts in microtidal ecosystems during the Holocene: dynamics and drivers of change from the Po Plain coastal record (NE Italy). <i>Journal of Quaternary Science</i> , 2021, 36, 961-979.	2.1	8
94	Trunk river and tributary interactions recorded in the Pleistocene-Holocene stratigraphy of the Po Plain (northern Italy). <i>Sedimentology</i> , 2021, 68, 2918-2943.	3.1	8
95	New insights into the palaeoenvironmental evolution of Magdala ancient harbour (Sea of Galilee, Israel). <i>Science</i> , 2015, 54, 356-373.	2.4	7
96	Linking Holocene vegetation dynamics, palaeoclimate variability and depositional patterns in coastal successions: Insights from the Po Delta plain of northern Italy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109468.	2.3	7
97	Detecting a sequence boundary across different tectonic domains: an example from the middle Miocene of the northern Apennines (Italy). <i>Terra Nova</i> , 1996, 8, 334-346.	2.1	6
98	Tracing marine flooding surface equivalents across freshwater peats and other wetland deposits by integrated sedimentological and pollen data. <i>International Journal of Coal Geology</i> , 2021, 246, 103830.	5.0	6
99	Quantitative paleoecology in shallow-marine settings: The value of ostracods and foraminifers from the Holocene North Adriatic record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 572, 110408.	2.3	5
100	Factors controlling natural subsidence in the Po Plain. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 382, 285-290.	1.0	5
101	Benthic foraminifera as a key to delta evolution: A case study from the late Holocene succession of the Po River Delta. <i>Micropaleontology</i> , 2017, 63, 27-41.	1.0	5
102	Deriving Natural Background Levels of Arsenic at the Meso-Scale Using Site-Specific Datasets: An Unorthodox Method. <i>Water (Switzerland)</i> , 2021, 13, 452.	2.7	4
103	Benthic foraminifers from Holocene subaqueous deltas of the Western Mediterranean: Stratigraphic implications and palaeoenvironmental significance of the biofacies. <i>Marine Geology</i> , 2021, 442, 106632.	2.1	3
104	The problem of glaucony from the Shannon Sandstone (Campanian, Wyoming). <i>Terra Nova</i> , 2011, 23, 100-107.	2.1	2
105	Timing and mechanisms of sediment accumulation and pedogenesis: Insights from the Po Plain (northern Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 591, 110881.	2.3	2
106	Chapter B1c Interpretative reading of the Campanian-Maastrichtian deposits at Tercis les Bains: Sedimentary breaks, rhythms, accumulation rate, sequences. <i>Developments in Palaeontology and Stratigraphy</i> , 2001, 19, 120-133.	0.1	1
107	Tracing provenance and pathways of late Holocene fluvio-deltaic sediments by heavy-metal spatial distribution (Po Plain-Northern Apennines system, Italy). <i>Geological Society Special Publication</i> , 2014, 386, 313-325.	1.3	1
108	Late Quaternary Landscape Dynamics at the La Spezia Gulf (NW Italy): A Multi-Proxy Approach Reveals Environmental Variability within a Rocky Embayment. <i>Water (Switzerland)</i> , 2021, 13, 427.	2.7	1

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109	A Long-Term Record of Quaternary Facies Patterns and Palaeoenvironmental Trends from the Po Plain (NE Italy) as Revealed by Bio-Sedimentary Data. <i>Geosciences (Switzerland)</i> , 2021, 11, 401.	2.2	1
110	Chapter D3 Biostratigraphy and geochronology of an early serravallian volcanoclastic layer from Sicily. <i>Developments in Palaeontology and Stratigraphy</i> , 1995, , 351-361.	0.1	0
111	Chapter C2 Integrated stratigraphy (biostratigraphy and geochronology) of the early miocene sequence from the emilian apennines (Italy). <i>Developments in Palaeontology and Stratigraphy</i> , 1995, 15, 221-247.	0.1	0
112	The Influence of Transgressive Paleogeography on the Development and Decline of Cardium Pottery Culture (Mediterranean Neolithic). <i>Geophysical Monograph Series</i> , 2013, , 171-176.	0.1	0
113	Factors Controlling Trace-Metal Distribution in Alluvial and Coastal Deposits: Implications for Hydrocarbon Exploration. <i>Springer Geology</i> , 2014, , 891-894.	0.3	0