

Liviu Giosan

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

8,082
citations

66343

42
h-index

53230

85
g-index

142
all docs

142
docs citations

142
times ranked

7710
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the habitat depth of the planktic foraminifera <i>Dentoglobigerina altispira</i> in the eastern Arabian Sea during the middle Miocene. <i>Marine Micropaleontology</i> , 2022, 170, 102075.	1.2	1
2	No modern Irrawaddy River until the late Miocene-Pliocene. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117516.	4.4	1
3	Human practices behind the aquatic and terrestrial ecological decoupling to climate change in the tropical Andes. <i>Science of the Total Environment</i> , 2022, 826, 154115.	8.0	0
4	Provenance and Weathering of Clays Delivered to the Bay of Bengal During the Middle Miocene: Linkages to Tectonics and Monsoonal Climate. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003917.	2.9	10
5	Subseafloor Archaea reflect 139 kyrs of paleodepositional changes in the northern Red Sea. <i>Geobiology</i> , 2021, 19, 162-172.	2.4	6
6	Lithogenic Particle Transport Trajectories on the Northwest Atlantic Margin. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	2.6	4
7	Climate control on terrestrial biospheric carbon turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	64
8	Influence of Hydraulic Connectivity on Carbon Burial Efficiency in Mackenzie Delta Lake Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006054.	3.0	2
9	Remote and local drivers of Pleistocene South Asian summer monsoon precipitation: A test for future predictions. <i>Science Advances</i> , 2021, 7, .	10.3	50
10	Black Sea paleosalinity evolution since the last deglaciation reconstructed from alkenone-inferred Isochrysidales diversity. <i>Earth and Planetary Science Letters</i> , 2021, 564, 116881.	4.4	23
11	Deltas in Arid Environments. <i>Water (Switzerland)</i> , 2021, 13, 1677.	2.7	8
12	Stable and Sustainable: Delta Dynamics Versus the Human Need for Stability. <i>Earth's Future</i> , 2021, 9, e2021EF002121.	6.3	15
13	Evidence of a South Asian Proto-Monsoon During the Oligocene-Miocene Transition. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004278.	2.9	3
14	Isolating Detrital and Diagenetic Signals in Magnetic Susceptibility Records From Methane-Bearing Marine Sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009867.	2.5	6
15	Enhanced Late Miocene Chemical Weathering and Altered Precipitation Patterns in the Watersheds of the Bay of Bengal Recorded by Detrital Clay Radiogenic Isotopes. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004252.	2.9	3
16	Holocene paleoenvironmental changes in the marginal marine basin of Great Rann of Kachchh, western India: Insights from sedimentological and mineral magnetic studies on a 1460-m long core. <i>Quaternary International</i> , 2021, 599-600, 138-147.	1.5	5
17	Late Quaternary vegetation and climate of SE Europe-NW Asia according to pollen records in three offshore cores from the Black and Marmara seas. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2021, 101, 197-212.	1.5	3
18	Aeolian delivery to Ulleung Basin, Korea (Japan Sea), during development of the East Asian Monsoon through the last 12 Ma. <i>Geological Magazine</i> , 2020, 157, 806-817.	1.5	15

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19	Linking Danube River activity to Alpine Ice-Sheet fluctuations during the last glacial (ca. 33â€“17 ka BP): Insights into the continental signature of Heinrich Stadials. <i>Quaternary Science Reviews</i> , 2020, 229, 106136.	3.0	24
20	What Can We Learn From Xâ€Ray Fluorescence Core Scanning Data? A Paleomonsoon Case Study. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008414.	2.5	27
21	Middle Miocene Intensification of South Asian Monsoonal Rainfall. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003853.	2.9	11
22	The adoption of agropastoralism and increased ENSO frequency in the Andes. <i>Quaternary Science Reviews</i> , 2020, 243, 106471.	3.0	11
23	Intercomparison of XRF Core Scanning Results From Seven Labs and Approaches to Practical Calibration. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009248.	2.5	16
24	Lipid Biomarker Record Documents Hydroclimatic Variability of the Mississippi River Basin During the Common Era. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087237.	4.0	6
25	A Brief Commentary on the Interpretation of Chinese Speleothem Î¹8O Records as Summer Monsoon Intensity Tracers. <i>Quaternary</i> , 2020, 3, 7.	2.0	11
26	Pliocene expansion of C<sub>4</sub> vegetation in the Core Monsoon Zone on the Indian Peninsula. <i>Climate of the Past</i> , 2020, 16, 2533-2546.	3.4	12
27	Using Stable Carbon Isotopes to Quantify Radiocarbon Reservoir Age Offsets in the Coastal Black Sea. <i>Radiocarbon</i> , 2019, 61, 309-318.	1.8	7
28	Radiogenic fingerprinting reveals anthropogenic and buffering controls on sediment dynamics of the Mississippi River system. <i>Geology</i> , 2019, 47, 271-274.	4.4	9
29	Holocene paleodepositional changes reflected in the sedimentary microbiome of the Black Sea. <i>Geobiology</i> , 2019, 17, 436-448.	2.4	30
30	The Mighty Susquehannaâ€Extreme Floods in Eastern North America During the Past Two Millennia. <i>Geophysical Research Letters</i> , 2019, 46, 3398-3407.	4.0	7
31	Delta Winners and Losers in the Anthropocene. , 2019, , 149-165.		7
32	Paleoclimatic evolution of the SW and NE South China Sea and its relationship with spectral reflectance data over various age scales. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 525, 25-43.	2.3	16
33	The Indus Deltaâ€Catchment, River, Coast, and People. , 2019, , 213-232.		8
34	A human role in Andean megafaunal extinction?. <i>Quaternary Science Reviews</i> , 2019, 205, 154-165.	3.0	20
35	Temporal deconvolution of vascular plant-derived fatty acids exported from terrestrial watersheds. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 502-521.	3.9	28
36	Climatic control of Mississippi River flood hazard amplified by river engineering. <i>Nature</i> , 2018, 556, 95-98.	27.8	202

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37	Signal or noise? Isolating grain size effects on Nd and Sr isotope variability in Indus delta sediment provenance. <i>Chemical Geology</i> , 2018, 485, 56-73.	3.3	47
38	Evolution of biomolecular loadings along a major river system. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 389-404.	3.9	34
39	Reconciling drainage and receiving basin signatures of the Godavari River system. <i>Biogeosciences</i> , 2018, 15, 3357-3375.	3.3	19
40	On the Holocene evolution of the Ayeyawady megadelta. <i>Earth Surface Dynamics</i> , 2018, 6, 451-466.	2.4	32
41	Neoglacial climate anomalies and the Harappan metamorphosis. <i>Climate of the Past</i> , 2018, 14, 1669-1686.	3.4	36
42	Continuous Holocene input of river sediment to the Indus Submarine Canyon. <i>Marine Geology</i> , 2018, 406, 159-176.	2.1	29
43	Uâ€PB Detrital Zircon Geochronology of the Lower Danube and Its Tributaries: Implications for the Geology of the Carpathians. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3208-3223.	2.5	12
44	Deglacial floods in the Beaufort Sea preceded Younger Dryas cooling. <i>Nature Geoscience</i> , 2018, 11, 599-604.	12.9	89
45	Climatically Driven Changes in the Supply of Terrigenous Sediment to the East China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2463-2477.	2.5	4
46	Constraining Instantaneous Fluxes and Integrated Compositions of Fluvially Discharged Organic Matter. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2453-2462.	2.5	13
47	A 43 kyr record of protist communities and their response to oxygen minimum zone variability in the Northeastern Arabian Sea. <i>Earth and Planetary Science Letters</i> , 2018, 496, 248-256.	4.4	31
48	Tracing the Vedic Saraswati River in the Great Rann of Kachchh. <i>Scientific Reports</i> , 2017, 7, 5476.	3.3	28
49	Climate oscillations reflected within the microbiome of Arabian Sea sediments. <i>Scientific Reports</i> , 2017, 7, 6040.	3.3	74
50	Branched GDGT signals in fluvial sediments of the Danube River basin: Method comparison and longitudinal evolution. <i>Organic Geochemistry</i> , 2017, 103, 88-96.	1.8	30
51	Short communication: Massive erosion in monsoonal central India linked to late Holocene land cover degradation. <i>Earth Surface Dynamics</i> , 2017, 5, 781-789.	2.4	45
52	Large-scale coastal and fluvial models constrain the late Holocene evolution of the Ebro Delta. <i>Earth Surface Dynamics</i> , 2017, 5, 585-603.	2.4	6
53	Marginal deltaic coasts in transition: From natural to anthropogenic along the southern Romanian cliffed coast. <i>Anthropocene</i> , 2017, 19, 35-44.	3.3	6
54	Arctic Deltaic Lake Sediments As Recorders of Fluvial Organic Matter Deposition. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	12

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55	Alongshore sediment bypassing as a control on river mouth morphodynamics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 664-683.	2.8	73
56	Comment on "Geochemistry of buried river sediments from Ghaggar Plains, NW India: Multi-proxy records of variations in provenance, paleoclimate, and paleovegetation patterns in the late quaternary" by Ajit Singh, Debajyoti Paul, Rajiv Sinha, Kristina J. Thomsen, Sanjeev Gupta. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 455, 65-67.	2.3	2
57	Holocene palaeoenvironmental evolution of the Ebro Delta (Western Mediterranean Sea): Evidence for an early construction based on the benthic foraminiferal record. <i>Holocene</i> , 2016, 26, 1438-1456.	1.7	28
58	Multi-proxy records of Holocene palaeoenvironmental changes in the Varna Lake area, western Black Sea coast. <i>Quaternary International</i> , 2016, 401, 99-108.	1.5	11
59	Approaches to defining deltaic sustainability in the 21st century. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 183, 275-291.	2.1	117
60	Enhancing mud supply from the Lower Missouri River to the Mississippi River Delta USA: Dam bypassing and coastal restoration. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 183, 304-313.	2.1	33
61	Littoral steering of deltaic channels. <i>Earth and Planetary Science Letters</i> , 2016, 453, 204-214.	4.4	25
62	Decrease in coccolithophore calcification and CO ₂ since the middle Miocene. <i>Nature Communications</i> , 2016, 7, 10284.	12.8	135
63	Controls on sediment flux through the Indus Submarine Canyon during the Last Glacial Cycle. , 2015, , .		0
64	What makes a delta wave-dominated?. <i>Geology</i> , 2015, 43, 511-514.	4.4	84
65	Spatial variations in geochemical characteristics of the modern Mackenzie Delta sedimentary system. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 100-120.	3.9	36
66	Sea-level responses to erosion and deposition of sediment in the Indus River basin and the Arabian Sea. <i>Earth and Planetary Science Letters</i> , 2015, 416, 12-20.	4.4	34
67	South Asian monsoon history over the past 60 kyr recorded by radiogenic isotopes and clay mineral assemblages in the Andaman Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 505-521.	2.5	63
68	Indian monsoon variations during three contrasting climatic periods: The Holocene, Heinrich Stadial 2 and the last interglacial-glacial transition. <i>Quaternary Science Reviews</i> , 2015, 125, 50-60.	3.0	43
69	Embanking the Lower Danube: From Natural to Engineered Floodplains and Back. , 2015, , 265-288.		18
70	Evolution of Chilia lobes of the Danube delta: Reorganization of deltaic processes under cultural pressures. <i>Anthropocene</i> , 2014, 5, 65-70.	3.3	18
71	24. Varna Lake (north-eastern Bulgaria): vegetation history and human impact during the last 8000 years. <i>Grana</i> , 2014, 53, 309-311.	0.8	3
72	Sediment storage and reworking on the shelf and in the Canyon of the Indus River-Fan System since the last glacial maximum. <i>Basin Research</i> , 2014, 26, 183-202.	2.7	43

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73	Sediment fluxes and buffering in the post-glacial Indus Basin. <i>Basin Research</i> , 2014, 26, 369-386.	2.7	62
74	Fluvial response to climate variations and anthropogenic perturbations for the Ebro River, Spain in the last 4000 years. <i>Science of the Total Environment</i> , 2014, 473-474, 20-31.	8.0	24
75	Sedimentation rates from calcareous nannofossil and planktonic foraminifera biostratigraphy in the Andaman Sea, northern Bay of Bengal, and eastern Arabian Sea. <i>Marine and Petroleum Geology</i> , 2014, 58, 425-437.	3.3	38
76	Composition and origin of authigenic carbonates in the Krishna-Godavari and Mahanadi Basins, eastern continental margin of India. <i>Marine and Petroleum Geology</i> , 2014, 58, 438-460.	3.3	37
77	A late Miocene-Early Pliocene biogenic silica crash in the Andaman Sea and Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2014, 58, 490-501.	3.3	26
78	Long-timescale variation in bulk and clay mineral composition of Indian continental margin sediments in the Bay of Bengal, Arabian Sea, and Andaman Sea. <i>Marine and Petroleum Geology</i> , 2014, 58, 117-138.	3.3	69
79	Contributions to the European Pollen Database. 22. Vegetation development in the central part of the Bulgarian Black Sea coast during the last 13 000 years. <i>Grana</i> , 2014, 53, 249-251.	0.8	1
80	Influence of total organic carbon deposition on the inventory of gas hydrate in the Indian continental margins. <i>Marine and Petroleum Geology</i> , 2014, 58, 406-424.	3.3	51
81	Monsoon-influenced variation in productivity and lithogenic sediment flux since 110 ka in the offshore Mahanadi Basin, northern Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2014, 58, 502-525.	3.3	65
82	The role of North Brazil Current transport in the paleoclimate of the Brazilian Nordeste margin and paleoceanography of the western tropical Atlantic during the late Quaternary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 3-13.	2.3	58
83	Anomalous porosity preservation and preferential accumulation of gas hydrate in the Andaman accretionary wedge, NGHP-01 site 17A. <i>Marine and Petroleum Geology</i> , 2014, 58, 99-116.	3.3	38
84	Branched glycerol dialkyl glycerol tetraethers in Arctic lake sediments: Sources and implications for paleothermometry at high latitudes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1738-1754.	3.0	46
85	Climate change: Protect the world's deltas. <i>Nature</i> , 2014, 516, 31-33.	27.8	512
86	Maintenance of large deltas through channelization: Nature vs. humans in the Danube delta. <i>Anthropocene</i> , 2013, 1, 35-45.	3.3	58
87	Anthropocene metamorphosis of the Indus Delta and lower floodplain. <i>Anthropocene</i> , 2013, 3, 24-35.	3.3	58
88	Progress in coupling models of coastline and fluvial dynamics. <i>Computers and Geosciences</i> , 2013, 53, 21-29.	4.2	30
89	Comment on "Landscape change and archaeological settlements in the lower Danube valley and delta from early Neolithic to Chalcolithic time: A review" by Jean-Michel Carozza, Christian Micu, Florian Mihail, Laurent Carozza (<i>Quaternary International</i> 261, 21-31). <i>Quaternary International</i> , 2013, 298, 207-208.	1.5	0
90	First high-resolution marinopalynological stratigraphy of Late Quaternary sediments from the central part of the Bulgarian Black Sea area. <i>Quaternary International</i> , 2013, 293, 170-183.	1.5	39

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91	FLUVIAL ENVIRONMENTS Deltaic Environments. , 2013, , 693-703.		0
92	Evolution of the plankton paleome in the Black Sea from the Deglacial to Anthropocene. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8609-8614.	7.1	128
93	Wave reworking of abandoned deltas. Geophysical Research Letters, 2013, 40, 5899-5903.	4.0	50
94	Fluvial landscapes of the Harappan civilization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1688-94.	7.1	239
95	Simulating fluvial fluxes in the Danube watershed: The "Little Ice Age"™ versus modern day. Holocene, 2012, 22, 91-105.	1.7	32
96	Impacts of sediment supply and local tectonics on clinoform distribution: the seismic stratigraphy of the mid Pleistocene-Holocene Indus Shelf. Marine Geophysical Researches, 2012, 33, 251-267.	1.2	10
97	U-Pb zircon dating evidence for a Pleistocene Sarasvati River and capture of the Yamuna River. Geology, 2012, 40, 211-214.	4.4	83
98	Early Anthropogenic Transformation of the Danube-Black Sea System. Scientific Reports, 2012, 2, 582.	3.3	81
99	Geochemical record of Holocene to Recent sedimentation on the Western Indus continental shelf, Arabian Sea. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	53
100	Holocene aridification of India. Geophysical Research Letters, 2012, 39, .	4.0	187
101	Clay mineral variations in Holocene terrestrial sediments from the Indus Basin. Quaternary Research, 2012, 77, 368-381.	1.7	78
102	Wave-angle control of delta evolution. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	91
103	Pb isotopic variability in the modern-Pleistocene Indus River system measured by ion microprobe in detrital K-feldspar grains. Geochimica Et Cosmochimica Acta, 2011, 75, 4771-4795.	3.9	30
104	Academia resists clean-up in Romania. Nature, 2011, 472, 295-295.	27.8	0
105	River Delta Morphodynamics: Examples from the Danube Delta. , 2011, , 393-411.		46
106	Monsoon control over erosion patterns in the Western Himalaya: possible feed-back into the tectonic evolution. Geological Society Special Publication, 2010, 342, 185-218.	1.3	40
107	A cartographical perspective to the engineering works at the Sulina mouth, the Danube Delta. Acta Geodaetica Et Geophysica Hungarica, 2010, 45, 71-79.	0.4	9
108	Sinking deltas due to human activities. Nature Geoscience, 2009, 2, 681-686.	12.9	1,823

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109	DNA and lipid molecular stratigraphic records of haptophyte succession in the Black Sea during the Holocene. <i>Earth and Planetary Science Letters</i> , 2009, 284, 610-621.	4.4	77
110	Was the Black Sea catastrophically flooded in the early Holocene?. <i>Quaternary Science Reviews</i> , 2009, 28, 1-6.	3.0	111
111	A new look at old carbon in active margin sediments. <i>Geology</i> , 2009, 37, 239-242.	4.4	78
112	Battling to Save the World's River Deltas. <i>Bulletin of the Atomic Scientists</i> , 2009, 65, 31-43.	0.6	129
113	The last reconnection of the Marmara Sea (Turkey) to the World Ocean: A paleoceanographic and paleoclimatic perspective. <i>Marine Geology</i> , 2008, 255, 64-82.	2.1	82
114	Survive or subside?. <i>Nature Geoscience</i> , 2008, 1, 156-157.	12.9	39
115	Tempestuous highs and lows in the Gulf of Mexico. <i>Geology</i> , 2008, 36, 751.	4.4	25
116	Holocene erosion of the Lesser Himalaya triggered by intensified summer monsoon. <i>Geology</i> , 2008, 36, 79.	4.4	174
117	The Sedimentary Record of Deglaciation in the Western Himalaya recorded in the Indus Delta, Pakistan. <i>Himalayan Journal of Sciences</i> , 2008, 5, 41.	0.3	0
118	FLUVIAL ENVIRONMENTS Deltaic Environments. , 2007, , 704-716.		2
119	Morphodynamic Feedbacks on Deltaic Coasts: Lessons from the Wave-Dominated Danube Delta. , 2007, , 828.		12
120	Recent morphodynamics of the Indus delta shore and shelf. <i>Continental Shelf Research</i> , 2006, 26, 1668-1684.	1.8	160
121	Young Danube delta documents stable Black Sea level since the middle Holocene: Morphodynamic, paleogeographic, and archaeological implications. <i>Geology</i> , 2006, 34, 757.	4.4	122
122	Testing the physical oceanographic implications of the suggested sudden Black Sea infill 8400 years ago. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	25
123	Wave-influenced deltas: geomorphological implications for facies reconstruction. <i>Sedimentology</i> , 2003, 50, 187-210.	3.1	441
124	Astronomical age models for Pleistocene drift sediments from the western North Atlantic (ODP Sites) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.1	56
125	Paleoceanographic significance of sediment color on western North Atlantic drifts: I. Origin of color. <i>Marine Geology</i> , 2002, 189, 25-41.	2.1	78
126	Paleoceanographic significance of sediment color on western North Atlantic Drifts: II. Late Pliocene-Pleistocene sedimentation. <i>Marine Geology</i> , 2002, 189, 43-61.	2.1	40

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127	Migration history of a fine-grained abyssal sediment wave on the Bahama Outer Ridge. <i>Marine Geology</i> , 2002, 192, 259-273.	2.1	28
128	An Abrupt Shift in the Indian Monsoon 4000 Years Ago. <i>Geophysical Monograph Series</i> , 0, , 75-88.	0.1	85
129	Expedition 353 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	14
130	High-resolution carbonate content estimated from diffuse spectral reflectance for Leg 172 sites. , 0, , .		8
131	Site U1448. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	4
132	Expedition 353 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	16
133	Site U1447. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
134	The Nazca Drift System – palaeoceanographic significance of a giant sleeping on the SE Pacific Ocean floor. <i>Geological Magazine</i> , 0, , 1-15.	1.5	1