List of Publications by Year in descending order

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Μλριμςτ Ολάκλ

#	Article	IF	CITATIONS
1	Control of carbon and nitrogen accumulation by vegetation in pristine bogs of southern Patagonia. Science of the Total Environment, 2022, 810, 151293.	3.9	5
2	Ultrafine multi-metal (Zn, Cd, Pb) sulfide aggregates formation in periodically water-logged organic soil. Science of the Total Environment, 2022, 820, 153308.	3.9	10
3	The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. Earth System Science Data, 2022, 14, 1109-1124.	3.7	9
4	Conditions to Preserve the Sedimentary Record of Channel Planforms in Temperate Rivers of the Northern Hemisphere. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	1
5	Palaeoenvironmental conditions and human activity in the vicinity of the Grodzisko fortified settlement (central Europe, Poland) from the lateâ€Neolithic to the Roman period. Geoarchaeology - an International Journal, 2022, 37, 385-399.	0.7	2
6	Anthropocene history of rich fen acidification in W Poland — Causes and indicators of change. Science of the Total Environment, 2022, 838, 155785.	3.9	4
7	Forest ecosystem development in European nemoreal-boreal forest (NE Poland) over the last 2200 years: Impact of human activity and climate change. Holocene, 2022, 32, 650-663.	0.9	4
8	High-resolution record of geochemical, vegetational and molluscan shifts in a Central European spring-fed fen: implications for regional paleoclimate during the early and mid-Holocene. Holocene, 2022, 32, 764-779.	0.9	3
9	Holocene wildfire regimes in western Siberia: interaction between peatland moisture conditions and the composition of plant functional types. Climate of the Past, 2022, 18, 1255-1274.	1.3	10
10	Relations of fire, palaeohydrology, vegetation succession, and carbon accumulation, as reconstructed from a mountain bog in the Harz Mountains (Germany) during the last 6200Âyears. Geoderma, 2022, 424, 115991.	2.3	5
11	Insight into the factors of mountain bog and forest development in the Schwarzwald Mts.: Implications for ecological restoration. Ecological Indicators, 2022, 140, 109039.	2.6	7
12	A regime shift from erosion to carbon accumulation in a temperate northern peatland. Journal of Ecology, 2021, 109, 125-138.	1.9	8
13	Phases of fluvial activity in loess landscapes: Findings from the SiÃ ³ valley (Transdanubia, central) Tj ETQq1 1 0.7	784314 rg 2.2	BT <u>/</u> Overlock 4
14	Expert assessment of future vulnerability of the global peatland carbon sink. Nature Climate Change, 2021, 11, 70-77.	8.1	167
15	Plant succession and geochemical indices in immature peatlands in the Changbai Mountains, northeastern region of China: Implications for climate change and peatland development. Science of the Total Environment, 2021, 773, 143776.	3.9	7
16	Environmental drivers of <i>Sphagnum</i> growth in peatlands across the Holarctic region. Journal of Ecology, 2021, 109, 417-431.	1.9	32
17	A multi-proxy reconstruction of peatland development and regional vegetation changes in subarctic NE Fennoscandia (the Republic of Karelia, Russia) during the Holocene. Holocene, 2021, 31, 421-432. –	0.9	2
18	Past testate amoeba communities in landslide mountain fens (Polish Carpathians): The relationship between shell types and sediment. Holocene, 2021, 31, 954-965.	0.9	6

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19	Divergent responses of permafrost peatlands to recent climate change. Environmental Research Letters, 2021, 16, 034001.	2.2	23
20	Environmental implications of past socioeconomic events in Greater Poland during the last 1200 years. Synthesis of paleoecological and historical data. Quaternary Science Reviews, 2021, 259, 106902.	1.4	22
21	A multi-proxy long-term ecological investigation into the development of a late Holocene calcareous spring-fed fen ecosystem (Raganu Mire) and boreal forest at the SE Baltic coast (Latvia). Ecological Indicators, 2021, 126, 107673.	2.6	7
22	Development and degradation of a submontane forest in the Beskid Wyspowy Mountains (Polish) Tj ETQq0 0 0 r	gBT /Overla 0.9	əçk 10 Tf 50 10
23	Late Holocene transformations of lower montane forest in the Beskid Wyspowy Mountains (Western) Tj ETQq1 1	0,784314	rgBT /Overi
24	A multi-proxy analysis of hydroclimate trends in an ombrotrophic bog over the last millennium in the Eastern Carpathians of Romania. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 538, 109390.	1.0	10
25	The evolution and disappearance of "false delta―multi-channel systems in postglacial areas (Central) Tj ETQo	110.784 1.6	3 <u>1</u> 4 rgBT ∣O
26	Late Glacial and early Holocene development of an oxbow lake in Central Europe (Poland) based on plant macrofossil and geochemical data. Holocene, 2020, 30, 178-189.	0.9	7
27	The formation of low-energy meanders in loess landscapes (Transdanubia, central Europe). Global and Planetary Change, 2020, 184, 103071.	1.6	10
28	How Joannites' economy eradicated primeval forest and created anthroecosystems in medieval Central Europe. Scientific Reports, 2020, 10, 18775.	1.6	14
29	Peatland Development, Vegetation History, Climate Change and Human Activity in the Valdai Uplands (Central European Russia) during the Holocene: A Multi-Proxy Palaeoecological Study. Diversity, 2020, 12, 462.	0.7	13
30	Exposure matters: Forest dynamics reveal an early Holocene conifer refugium on a north facing slope in Central Europe. Holocene, 2020, 30, 1833-1848.	0.9	7
31	Towards the understanding the impact of fire on the lower montane forest in the Polish Western Carpathians during the Holocene. Quaternary Science Reviews, 2020, 229, 106137.	1.4	23
32	Exceptional hydrological stability of a Sphagnum-dominated peatland over the late Holocene. Quaternary Science Reviews, 2020, 231, 106180.	1.4	21
33	Do the relationships between testate amoebae and fungi reflect the variability of past water table fluctuations in the ombrotrophic peatlands of Central Europe?. Holocene, 2020, 30, 1186-1195.	0.9	1
34	Influence of transboundary transport of trace elements on mountain peat geochemistry (Sudetes,) Tj ETQq0 0 0 i	gBT /Over	lock 10 Tf 50
35	Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe. Biogeosciences, 2020, 17, 1213-1230.	1.3	52

Recent fire regime in the southern boreal forests of western Siberia is unprecedented in the last five millennia. Quaternary Science Reviews, 2020, 244, 106495.

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37	Znaczenie wspólnych badaÅ,, historycznych i paleoekologicznych nad wpÅ,ywem czÅ,owieka na Å›rodowisko. PrzykÅ,ad ze stanowiska Kazanie we wschodniej Wielkopolsce. , 2020, , 56.	0.0	3
38	The Holocene dynamics of moss communities in subalpine wetland ecosystems in the Eastern Carpathian Mountains, Central Europe. Bryologist, 2020, 123, 84.	0.1	5
39	The Eurasian Modern Pollen Database (EMPD), version 2. Earth System Science Data, 2020, 12, 2423-2445.	3.7	34
40	Znaczenie wysokorozdzielczych wielowskaźnikowych (multi-proxy) badań paleoekologicznych dla geografii historycznej i historii gospodarczej. , 2020, , 30.	0.0	1
41	Landslides increased Holocene habitat diversity on a flysch bedrock in the Western Carpathians. Quaternary Science Reviews, 2019, 219, 68-83.	1.4	17
42	The Medieval Climate Anomaly in Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 532, 109251.	1.0	29
43	Early Holocene succession of vegetation and molluscs in Lake Jaczno, East-Central Europe. Quaternary International, 2019, 524, 31-39.	0.7	4
44	2000 years of variability in hydroclimate and carbon accumulation in western Siberia and the relationship with large-scale atmospheric circulation: A multi-proxy peat record. Quaternary Science Reviews, 2019, 226, 105948.	1.4	25
45	The Medieval Climate Anomaly in the Mediterranean Region. Paleoceanography and Paleoclimatology, 2019, 34, 1625-1649.	1.3	32
46	Decadal variability of north-eastern Atlantic storminess at the mid-Holocene: New inferences from a record of wind-blown sand, western Denmark. Global and Planetary Change, 2019, 180, 16-32.	1.6	6
47	Plant communities control long term carbon accumulation and biogeochemical gradients in a Patagonian bog. Science of the Total Environment, 2019, 684, 670-681.	3.9	34
48	Integrating fire-scar, charcoal and fungal spore data to study fire events in the boreal forest of northern Europe. Holocene, 2019, 29, 1480-1490.	0.9	24
49	Pathways for Ecological Change in Canadian High Arctic Wetlands Under Rapid Twentieth Century Warming. Geophysical Research Letters, 2019, 46, 4726-4737.	1.5	25
50	Large herbivore population and vegetation dynamics 14,600–8300â€`years ago in central Latvia, northeastern Europe. Review of Palaeobotany and Palynology, 2019, 266, 42-51.	0.8	9
51	Increased radiocarbon dating resolution of ombrotrophic peat profiles reveals periods of disturbance which were previously undetected. Quaternary Geochronology, 2019, 52, 21-28.	0.6	13
52	Unveiling tipping points in long-term ecological records from <i>Sphagnum</i> -dominated peatlands. Biology Letters, 2019, 15, 20190043.	1.0	47
53	Responses of vegetation and testate amoeba trait composition to fire disturbances in and around a bog in central European lowlands (northern Poland). Quaternary Science Reviews, 2019, 208, 129-139.	1.4	23
54	Evidence for ecosystem state shifts in Alaskan continuous permafrost peatlands in response to recent warming. Quaternary Science Reviews, 2019, 207, 134-144.	1.4	14

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55	Widespread drying of European peatlands in recent centuries. Nature Geoscience, 2019, 12, 922-928.	5.4	130
56	Ecology of peatland testate amoebae in the Alaskan continuous permafrost zone. Ecological Indicators, 2019, 96, 153-162.	2.6	11
57	Evaluating tephrochronology in the permafrost peatlands of northern Sweden. Quaternary Geochronology, 2019, 50, 16-28.	0.6	7
58	The Medieval Climate Anomaly in South America. Quaternary International, 2019, 508, 70-87.	0.7	54
59	Peatbog resilience to pollution and climate change over the past 2700â€ ⁻ years in the Harz Mountains, Germany. Ecological Indicators, 2019, 97, 183-193.	2.6	27
60	The late Holocene decline of <i>Trapa natans</i> L. in Northern Poland in the light of new palaeobotanical and geochemical data. Limnological Review, 2019, 19, 77-91.	0.5	1
61	Hydroclimate in Africa during the Medieval Climate Anomaly. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 495, 309-322.	1.0	31
62	A multi-proxy view of exceptionally early postglacial development of riparian woodlands with Ulmus in the Dniester River valley, western Ukraine. Review of Palaeobotany and Palynology, 2018, 250, 27-43.	0.8	16
63	Response of plant communities to climate change during the late Holocene: Palaeoecological insights from peatlands in the Alaskan Arctic. Ecological Indicators, 2018, 85, 525-536.	2.6	40
64	Palaeoecology of Sphagnum riparium (Ãngström) in Northern Hemisphere peatlands: Implications for peatland conservation and palaeoecological research. Review of Palaeobotany and Palynology, 2018, 254, 1-7.	0.8	7
65	Response of the aquatic plants and mollusc communities in Lake Kojle (central Europe) to climatic changes between 250 BCE and 1550 CE. Aquatic Botany, 2018, 148, 35-45.	0.8	7
66	Ecosystem state shifts during longâ€ŧerm development of an Amazonian peatland. Global Change Biology, 2018, 24, 738-757.	4.2	26
67	Palaeohydrology and the human impact on one of the largest raised bogs complex in the Western Carpathians (Central Europe) during the last two millennia. Holocene, 2018, 28, 595-608.	0.9	26
68	The sedimentary and remoteâ€sensing reflection of biomass burning in Europe. Global Ecology and Biogeography, 2018, 27, 199-212.	2.7	73
69	Combining multi-proxy palaeoecology with natural and manipulative experiments — XLII International Moor Excursion to Northern Poland. Open Geosciences, 2018, 10, 634-638.	0.6	О
70	Sand in Early Holocene lake sediments – a microscopic study from Lake Jaczno, northeastern Poland. Estonian Journal of Earth Sciences, 2018, 67, 122.	0.4	5
71	Persist or take advantage of global warming: A development of Early Holocene riparian forest and oxbow lake ecosystems in Central Europe. Quaternary Science Reviews, 2018, 200, 191-211.	1.4	11
72	Environmental and taxonomic controls of carbon and oxygen stable isotope composition in <i>Sphagnum</i> across broad climatic and geographic ranges. Biogeosciences, 2018, 15, 5189-5202.	1.3	25

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73	Response of a spring-fed fen ecosystem in Central Eastern Europe (NW Romania) to climate changes during the last 4000‬years: A high resolution multi-proxy reconstruction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 504, 170-185.	1.0	27
74	Impact of climate change on the ecology of the Kyambangunguru crater marsh in southwestern Tanzania during the Late Holocene. Quaternary Science Reviews, 2018, 196, 100-117.	1.4	5
75	Holocene centennial to millennial shifts in North-Atlantic storminess and ocean dynamics. Scientific Reports, 2018, 8, 12778.	1.6	56
76	Resilience of plant and testate amoeba communities after climatic and anthropogenic disturbances in a Baltic bog in Northern Poland: Implications for ecological restoration. Holocene, 2017, 27, 130-141.	0.9	27
77	Detrital input to springâ€fed fen deposits – a problem or an opportunity in palaeoenvironmental studies? A Holocene palaeoclimatic reconstruction from central Europe. Journal of Quaternary Science, 2017, 32, 91-103.	1.1	12
78	Hydrological conditions and carbon accumulation rates reconstructed from a mountain raised bog in the Carpathians: A multi-proxy approach. Catena, 2017, 152, 57-68.	2.2	27
79	Rich fen development in CE Europe, resilience to climate change and human impact over the last ca. 3500 years. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 473, 57-72.	1.0	18
80	Introducing global peat-specific temperature and pH calibrations based on brGDGT bacterial lipids. Geochimica Et Cosmochimica Acta, 2017, 208, 285-301.	1.6	177
81	The final meltdown of dead-ice at the Holocene Thermal Maximum (8500–7400 cal. yr BP) in western Latvia, eastern Baltic. Holocene, 2017, 27, 1146-1157.	0.9	13
82	The development pathways of two peatlands in South Africa over the last 6200 years: Implications for peat formation and palaeoclimatic research. Holocene, 2017, 27, 1499-1515.	0.9	4
83	Holocene vegetation and fire dynamics at Crveni Potok, a small mire in the Dinaric Alps (Tara National) Tj ETQq1	1 9.7843 1.4	14 rgBT /Over
84	Five centuries of the Early Holocene forest development and its interactions with palaeoecosystem of small landslide lake in the Beskid Makowski Mountains (Western Carpathians, Poland) — High resolution multi-proxy study. Review of Palaeobotany and Palynology, 2017, 244, 113-127.	0.8	13
85	Vegetation Succession, Carbon Accumulation and Hydrological Change in Subarctic Peatlands, Abisko, Northern Sweden. Permafrost and Periglacial Processes, 2017, 28, 589-604.	1.5	27
86	Plant succession in a peatland in the Eastern Carpathian Mts. (CE Europe) during the last 10,200 years: Implications for peatland development and palaeoclimatic research. Review of Palaeobotany and Palynology, 2017, 244, 203-216.	0.8	16
87	Lost in dating – Problems with the absolute chronologies and sedimentation rates of Late Glacial and Early Holocene oxbow lake deposits in Central Europe. Quaternary Geochronology, 2017, 41, 187-201.	0.6	15
88	Fire has been an important driver of forest dynamics in the Carpathian Mountains during the Holocene. Forest Ecology and Management, 2017, 389, 15-26.	1.4	64
89	Unveiling exceptional Baltic bog ecohydrology, autogenic succession and climate change during the last 2000 years in CE Europe using replicate cores, multi-proxy data and functional traits of testate amoebae. Quaternary Science Reviews, 2017, 156, 90-106.	1.4	64
90	Warming and Cooling: The Medieval Climate Anomaly in Africa and Arabia. Paleoceanography, 2017, 32, 1219-1235.	3.0	31

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91	First discovery of Holocene Alaskan and Icelandic tephra in Polish peatlands. Journal of Quaternary Science, 2017, 32, 457-462.	1.1	13
92	Fire activity and hydrological dynamics in the past 5700 years reconstructed from Sphagnum peatlands along the oceanic–continental climatic gradient in northern Poland. Quaternary Science Reviews, 2017, 177, 145-157.	1.4	24
93	Hydrological changes in the Rzecin peatland (Puszcza Notecka, Poland) induced by anthropogenic factors: Implications for mire development and carbon sequestration. Holocene, 2017, 27, 651-664.	0.9	19
94	Detection of the Askja AD 1875 cryptotephra in Latvia, Eastern Europe. Journal of Quaternary Science, 2016, 31, 437-441.	1.1	20
95	A novel testate amoebae trait-based approach to infer environmental disturbance in Sphagnum peatlands. Scientific Reports, 2016, 6, 33907.	1.6	57
96	Periodic lake-peatland shifts under the Eemian and Early Weichselian climate changes in Central Europe on the basis of multi-proxy studies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 461, 29-43.	1.0	10
97	Development of Rich Fen on the SE Baltic Coast, Latvia, during the Last 7500ÂYears, Using Paleoecological Proxies: Implications for Plant Community Development and Paleoclimatic Research. Wetlands, 2016, 36, 689-703.	0.7	18
98	Abrupt ecological changes in the last 800 years inferred from a mountainous bog using testate amoebae traits and multi-proxy data. European Journal of Protistology, 2016, 55, 165-180.	0.5	27
99	Tree and timberline shifts in the northern Romanian Carpathians during the Holocene and the responses to environmental changes. Quaternary Science Reviews, 2016, 134, 100-113.	1.4	43
100	A 9000 year record of cyclic vegetation changes identified in a montane peatland deposit located in the Eastern Carpathians (Central-Eastern Europe): Autogenic succession or regional climatic influences?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 449, 52-61.	1.0	41
101	Macrofossil evidence of Late Holocene presence of Aldrovanda vesiculosa L. in Central-Eastern Europe (Poland) and East Africa (Tanzania). Quaternary International, 2015, 386, 186-190.	0.7	4
102	Reconstructing human impact on peatland development during the past 200 years in CE Europe through biotic proxies and X-ray tomography. Quaternary International, 2015, 357, 282-294.	0.7	23
103	Succession of arboreal taxa during the Late Glacial in south-eastern Poland: Climatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 421, 1-14.	1.0	11
104	Last Millennium hydro-climate variability in Central–Eastern Europe (Northern Carpathians, Romania). Holocene, 2015, 25, 1179-1192.	0.9	65
105	Palaeoenvironmental changes in Central Europe (NE Poland) during the last 6200 years reconstructed from a high-resolution multi-proxy peat archive. Holocene, 2015, 25, 421-434.	0.9	73
106	Reconstructing climate change and ombrotrophic bog development during the last 4000years in northern Poland using biotic proxies, stable isotopes and trait-based approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 418, 261-277.	1.0	100
107	Late Clacial and Early Holocene lake level fluctuations in NE Poland tracked by macro-fossil, pollen and diatom records. Quaternary International, 2015, 388, 23-38.	0.7	30
108	Late Pleniglacial and Late Glacial lake-mire transformations in south-eastern Poland reflected in aquatic and wetland vegetation changes. Quaternary International, 2015, 388, 39-50.	0.7	19

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109	A database and synthesis of northern peatland soil properties and Holocene carbon and nitrogen accumulation. Holocene, 2014, 24, 1028-1042.	0.9	404
110	High mountain region of the Northern Romanian Carpathians responded sensitively to Holocene climate and land use changes: A multi-proxy analysis. Holocene, 2014, 24, 944-956.	0.9	29
111	Disentangling the drivers for the development of a Baltic bog during the Little Ice Age in northern Poland. Quaternary International, 2014, 328-329, 323-337.	0.7	39
112	Postglacial history of vegetation, human activity and lake-level changes at Jezioro LinÃ ³ wek in northeast Poland, based on multi-proxy data. Vegetation History and Archaeobotany, 2014, 23, 123-152.	1.0	90
113	Carbon accumulation rates in two poor fens with different water regimes: Influence of anthropogenic impact and environmental change. Holocene, 2014, 24, 1539-1549.	0.9	17
114	Pattern of Plant Succession from Eutrophic Lake to Ombrotrophic Bog in NE Poland Over the Last 9400 Years Based on High-Resolution Macrofossil Analysis. Annales Botanici Fennici, 2014, 51, 1-21.	0.0	24
115	Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8Âka. Quaternary Science Reviews, 2014, 106, 206-224.	1.4	188
116	Climate change, vegetation development, and lake level fluctuations in Lake Purwin (NE Poland) during the last 8600Âcal. BP based on a high-resolution plant macrofossil record and stable isotope data (l´13C and δ18O). Quaternary International, 2014, 328-329, 213-225.	0.7	49
117	<i>Sphagnum</i> succession in a Baltic bog in central-eastern Europe over the last 6200Âyears and paleoecology of <i>Sphagnum contortum</i> . Bryologist, 2014, 117, 22-36.	0.1	26
118	Palaeoecology of <i>Sphagnum obtusum</i> in NE Poland. Bryologist, 2013, 116, 238-247.	0.1	17
119	Palaeohydrology, fires and vegetation succession in the southern Baltic during the last 7500years reconstructed from a raised bog based on multi-proxy data. Palaeogeography, Palaeoclimatology, Palaeoeclimatology, Palaeoecology, 2013, 370, 209-221.	1.0	64
120	Late Glacial and Early Holocene development of lakes in northeastern Poland in view of plant macrofossil analyses. Quaternary International, 2013, 292, 124-135.	0.7	43
121	Macrofossil Evidence of Early Holocene Presence of <i>Picea abies</i> (Norway Spruce) in NE Poland. Annales Botanici Fennici, 2013, 50, 129-141.	0.0	14
122	A 1300â€year multiâ€proxy, highâ€resolution record from a rich fen in northern Poland: reconstructing hydrology, land use and climate change. Journal of Quaternary Science, 2013, 28, 582-594.	1.1	35
123	Palaeoecological Studies on the Decline of <i>Cladium mariscus</i> (Cyperaceae) in NE Poland. Annales Botanici Fennici, 2012, 49, 305-318.	0.0	25
124	Climate and human induced hydrological change since AD 800 in an ombrotrophic mire in Pomerania (N Poland) tracked by testate amoebae, macroâ€fossils, pollen and tree rings of pine. Boreas, 2009, 38, 214-229.	1.2	75
125	Last millennium palaeoenvironmental changes from a Baltic bog (Poland) inferred from stable isotopes, pollen, plant macrofossils and testate amoebae. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 265, 93-106.	1.0	99
126	The Medieval Climate Anomaly in Oceania. Environmental Reviews, 0, , 1-10.	2.1	6

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127	Holocene history of the lake and forest island ecosystem at and around Lake Seliger, Valdai Hills (East) Tj ETQq1	1 0.7843	14 rgBT /Ovei