

# Supplementary data: Kreutzer et al., Software in the context of luminescence dating: status, concepts and suggestions exemplified by the R package ‘Luminescence’

## Screened articles

Articles used for the literature screening, for details on the selection see main text.

#	JOURNAL	AUTHORS	TITLE	YEAR	VOL ISSUE	DOI
1	BOR	Long et al.	Luminescence dating of lacustrine sediments from Tangra Yumco (southern Tibetan Plateau) using post-IR IRSL signals from polycrystalline grains	2015	44	<a href="http://dx.doi.org/10.1111/bor.12096">http://dx.doi.org/10.1111/bor.12096</a>
2	BOR	Lowick et al.	Luminescence dating of Middle Pleistocene proglacial deposits from northern Switzerland: methodological aspects and stratigraphical conclusions	2015	44	<a href="http://dx.doi.org/10.1111/bor.12114">http://dx.doi.org/10.1111/bor.12114</a>
3	BOR	Rémillard et al.	Chronology and palaeoenvironmental implications of the ice-wedge pseudomorphs and composite-wedge casts on the Magdalen Islands (eastern Canada)	2015	44	<a href="http://dx.doi.org/10.1111/bor.12125">http://dx.doi.org/10.1111/bor.12125</a>
4	BOR	Roskosch et al.	Luminescence dating of ice-marginal deposits in northern Germany: evidence for repeated glaciations during the Middle Pleistocene (MIS 12 to MIS 6)	2015	44	<a href="http://dx.doi.org/10.1111/bor.12083">http://dx.doi.org/10.1111/bor.12083</a>
5	BOR	Fruergaard et al.	Sedimentary indications and absolute chronology of Holocene relative sea-level changes retrieved from coastal lagoon deposits on Samsø, Denmark	2015	44	<a href="http://dx.doi.org/10.1111/bor.12124">http://dx.doi.org/10.1111/bor.12124</a>
6	BOR	Fairburn, W. A. & Bateman, M. D.	A new multi-stage recession model for Proglacial Lake Humber during the retreat of the last British-Irish Ice Sheet	2016	45	<a href="http://dx.doi.org/10.1111/bor.12140">http://dx.doi.org/10.1111/bor.12140</a>
7	BOR	Houmark-Nielsen et al.	Evidence of ameliorated Middle Weichselian climate and subarctic environment in the western Baltic region: coring lake sediments at Klintholm, Møn, Denmark	2016	45	<a href="http://dx.doi.org/10.1111/bor.12159">http://dx.doi.org/10.1111/bor.12159</a>
8	BOR	Olszak, J. & Adamiec, G.	OSL-based chronostratigraphy of river terraces in mountainous areas, Dunajec basin, West Carpathians: a revision of the chronostratigraphical approach	2016	45	<a href="http://dx.doi.org/10.1111/bor.12163">http://dx.doi.org/10.1111/bor.12163</a>
9	BOR	Turner et al.	Stratigraphy of Pleistocene glaciations in the St Elias Mountains, southwest Yukon, Canada	2016	45	<a href="http://dx.doi.org/10.1111/bor.12172">http://dx.doi.org/10.1111/bor.12172</a>
10	BOR	Wacha et al.	The chronostratigraphy of the latest Middle Pleistocene aeolian and alluvial activity on the Island of Hvar, eastern Adriatic, Croatia	2016	45	<a href="http://dx.doi.org/10.1111/bor.12141">http://dx.doi.org/10.1111/bor.12141</a>
11	CAT	Lanckriet et al.	The Late-Holocene geomorphic history of the Ethiopian Highlands: Supportive evidence from May Tsimbla	2015	135	<a href="http://dx.doi.org/10.1016/j.CAT.2015.08.011">http://dx.doi.org/10.1016/j.CAT.2015.08.011</a>
12	CAT	Veit et al.	The Southern Westerlies in Central Chile during the two last glacial cycles as documented by coastal aeolian sand deposits and intercalating palaeosols	2015	134	<a href="http://dx.doi.org/10.1016/j.CAT.2014.11.002">http://dx.doi.org/10.1016/j.CAT.2014.11.002</a>

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13	CAT	Sebe et al.	Pleistocene wind system in eastern Austria and its impact on landscape evolution	2015	134	<a href="http://dx.doi.org/10.1016/j.catt.2015.02.004">http://dx.doi.org/10.1016/j.catt.2015.02.004</a>
14	CAT	Rodrigues et al.	Pre-Columbian agriculture in the Bolivian Lowlands: Construction history and management of raised fields in Bermeo	2015	132	<a href="http://dx.doi.org/10.1016/j.catt.2014.08.021">http://dx.doi.org/10.1016/j.catt.2014.08.021</a>
15	CAT	von Suchodoletz	Fluvial sediments of the Algeti River in southeastern Georgia An archive of Late Quaternary landscape activity and stability in the Transcaucasian region	2015	130	<a href="http://dx.doi.org/10.1016/j.catt.2014.06.019">http://dx.doi.org/10.1016/j.catt.2014.06.019</a>
16	CAT	Sauer et al.	The loess-palaeosol sequence of Datthausen, SW Germany: Characteristics, chronology, and implications for the use of the Lohne Soil as a marker soil	2016	146	<a href="http://dx.doi.org/10.1016/j.catt.2016.06.024">http://dx.doi.org/10.1016/j.catt.2016.06.024</a>
17	CAT	Mao et al.	A multi-index analysis of the extraordinary paleoflood events recorded by slackwater deposits in the Yunxi Reach of the upper Hanjiang River, China	2016	145	<a href="http://dx.doi.org/10.1016/j.catt.2016.05.016">http://dx.doi.org/10.1016/j.catt.2016.05.016</a>
18	CAT	Layzel et al.	Stratigraphy, morphology, and geochemistry of late Quaternary buried soils on the High Plains of southwestern Kansas, USA	2016	144	<a href="http://dx.doi.org/10.1016/j.catt.2016.05.003">http://dx.doi.org/10.1016/j.catt.2016.05.003</a>
19	CAT	Zhuang et al.	Loess and early land use: Geoarchaeological investigation at the early Neolithic site of Guobei, Southern Chinese Loess Plateau	2016	144	<a href="http://dx.doi.org/10.1016/j.catt.2016.05.005">http://dx.doi.org/10.1016/j.catt.2016.05.005</a>
20	CAT	da Rocha Campos et al.	Stratigraphic control and chronology of peat bog deposition in the Serra do Espinhao Meridional, Brazil	2016	143	<a href="http://dx.doi.org/10.1016/j.catt.2016.04.009">http://dx.doi.org/10.1016/j.catt.2016.04.009</a>
21	EPSL	Lewis et al.	Complex sediment deposition history on a wide continental shelf: Implications for the calculation of accumulation rates on the Great Barrier Reef	2014	393	<a href="http://dx.doi.org/10.1016/j.epsl.2014.02.038">http://dx.doi.org/10.1016/j.epsl.2014.02.038</a>
22	EPSL	Long et al.	High-resolution OSL dating of a late Quaternary sequence from Xingkai Lake (NE Asia): Chronological challenge of the MIS 3a Mega-paleolake hypothesis in China	2015	428	<a href="http://dx.doi.org/10.1016/j.epsl.2015.07.003">http://dx.doi.org/10.1016/j.epsl.2015.07.003</a>
23	EPSL	Scherler et al.	Increased late Pleistocene erosion rates during fluvial aggradation in the Garhwal Himalaya, northern India	2015	428	<a href="http://dx.doi.org/10.1016/j.epsl.2015.06.034">http://dx.doi.org/10.1016/j.epsl.2015.06.034</a>
24	EPSL	Xu et al.	Climate-driven changes to dune activity during the Last Glacial Maximum and deglaciation in the Mu Us dune field, north-central China	2015	427	<a href="http://dx.doi.org/10.1016/j.epsl.2015.07.002">http://dx.doi.org/10.1016/j.epsl.2015.07.002</a>
25	EPSL	Gong et al.	Late Quaternary faulting on the Manas and Hutubi reverse faults in the northern foreland basin of Tian Shan, China	2015	424	<a href="http://dx.doi.org/10.1016/j.epsl.2015.05.030">http://dx.doi.org/10.1016/j.epsl.2015.05.030</a>
26	EPSL	Guralnik et al.	OSL-thermochronometry of feldspar from the KTB borehole, Germany	2015	423	<a href="http://dx.doi.org/10.1016/j.epsl.2015.04.032">http://dx.doi.org/10.1016/j.epsl.2015.04.032</a>
27	EPSL	Shi et al.	Crustal strength in central Tibet determined from Holocene shoreline deflection around Siling Co	2015	423	<a href="http://dx.doi.org/10.1016/j.epsl.2015.05.002">http://dx.doi.org/10.1016/j.epsl.2015.05.002</a>
28	EPSL	Li et al.	Paleoenvironmental changes recorded in a luminescence dated loess/paleosol sequence from the Tianshan Mountains, arid central Asia, since the Penultimate Glaciation	2016	448	<a href="http://dx.doi.org/10.1016/j.epsl.2016.05.008">http://dx.doi.org/10.1016/j.epsl.2016.05.008</a>
29	EPSL	Dolan et al.	Extreme multi-millennial slip rate variations on the Garlock fault, California: Strain super-cycles, potentially time-variable fault strength, and implications for system-level earthquake occurrence	2016	445	<a href="http://dx.doi.org/10.1016/j.epsl.2016.04.011">http://dx.doi.org/10.1016/j.epsl.2016.04.011</a>

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30	EPSL	Costas et al.	Windiness spells in SW Europe since the last glacial maximum	2016	436		<a href="http://dx.doi.org/10.1016/j.epsl.2015.12.023">http://dx.doi.org/10.1016/j.epsl.2015.12.023</a>
31	GM	Chun Chang Huang et al.	Hydrological studies of the historical and palaeoflood events on the middle Yihe River, China	2016	274		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.09.004">http://dx.doi.org/10.1016/j.geomorph.2016.09.004</a>
32	GM	Cesta & Ward	Timing and nature of alluvial fan development along the Chajnantor Plateau, northern Chile	2016	273		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.09.003">http://dx.doi.org/10.1016/j.geomorph.2016.09.003</a>
33	GM	Cremon et al.	The role of tectonics and climate in the late Quaternary evolution of a northern Amazonian River	2016	271		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.07.030">http://dx.doi.org/10.1016/j.geomorph.2016.07.030</a>
34	GM	Matter et al.	Reactivation of the Pleistocene trans-Arabian Wadi ad Dawasir fluvial system (Saudi Arabia) during HOL humid phase	2016	270		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.07.013">http://dx.doi.org/10.1016/j.geomorph.2016.07.013</a>
35	GM	Bullón	The upper Pleistocene on the northern face of the Guadarrama Mountains (central Spain): Palaeoclimatic phases and glacial activity	2016	268		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.06.015">http://dx.doi.org/10.1016/j.geomorph.2016.06.015</a>
36	GM	Kothiyari & Luirei	Late Quaternary tectonic landforms and fluvial aggradation in the Saryu River valley: Central Kumaun Himalaya	2016	268		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.06.010">http://dx.doi.org/10.1016/j.geomorph.2016.06.010</a>
37	GM	Sun et al.	Knickpoint series of gullies along the Luoyunshan Piedmont and its relation with fault activity since late Pleistocene	2016	268		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.06.026">http://dx.doi.org/10.1016/j.geomorph.2016.06.026</a>
38	GM	Soria-Jáuregui et al.	Dynamics of Mediterranean late Quaternary fluvial activity: An example from the River Ebro (north Iberian Peninsula)	2016	268		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.06.006">http://dx.doi.org/10.1016/j.geomorph.2016.06.006</a>
39	GM	Costa et al.	How did the AD 1755 tsunami impact on sand barriers across the southern coast of Portugal?	2016	268		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.06.019">http://dx.doi.org/10.1016/j.geomorph.2016.06.019</a>
40	GM	McCloskey et al.	Timing and causes of gully erosion in the riparian zone of the semi-arid tropical Victoria River, Australia: Management implications	2016	266		<a href="http://dx.doi.org/10.1016/j.geomorph.2016.05.009">http://dx.doi.org/10.1016/j.geomorph.2016.05.009</a>
41	JQS	Gallagher et al.	A Marine Isotope Stage 4 age for Pleistocene raised beach deposits near Fethard, southern Ireland	2015	30	8	<a href="http://dx.doi.org/10.1002/jqs.2808">http://dx.doi.org/10.1002/jqs.2808</a>
42	JQS	Quick et al.	A late Pleistocene–Holocene multi-proxy record of palaeoenvironmental change from Still Bay, southern Cape Coast, South Africa	2015	30	8	<a href="http://dx.doi.org/10.1002/jqs.2847">http://dx.doi.org/10.1002/jqs.2847</a>
43	JQS	Hoyos et al.	A climatic trigger for catastrophic Pleistocene– Holocene debris flows in the Eastern Andean Cordillera of Colombia	2015	30	3	<a href="http://dx.doi.org/10.1002/jqs.2779">http://dx.doi.org/10.1002/jqs.2779</a>
44	JQS	Hu et al.	Late Quaternary glacial advances in the eastern Qilianshan, north-eastern Tibet, as inferred from luminescence dating of fluvioglacial sediments	2016	31	6	<a href="http://dx.doi.org/10.1002/jqs.2882">http://dx.doi.org/10.1002/jqs.2882</a>
45	JQS	Stevens et al.	Mass accumulation rate and monsoon records from Xifeng, Chinese Loess Plateau, based on a luminescence age model	2016	31	4	<a href="http://dx.doi.org/10.1002/jqs.2848">http://dx.doi.org/10.1002/jqs.2848</a>
46	JQS	Sharma et al.	Factors responsible for driving the glaciation in the Sarchu Plain, eastern Zanskar Himalaya, during the late Quaternary	2016	31	5	<a href="http://dx.doi.org/10.1002/jqs.2874">http://dx.doi.org/10.1002/jqs.2874</a>
47	JQS	Zhang et al.	Lake level reconstruction of Huangqihai Lake in northern China since MIS 3 based on pulsed optically stimulated luminescence dating	2016	31	3	<a href="http://dx.doi.org/10.1002/jqs.2861">http://dx.doi.org/10.1002/jqs.2861</a>

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48	JQS	Jankowski et al.	A late Quaternary vertebrate deposit in Kudjal Yolgah Cave, south-western Australia: refining regional late Pleistocene extinctions	2016	31	5	<a href="http://dx.doi.org/10.1002/jqs.2877">http://dx.doi.org/10.1002/jqs.2877</a>
49	JQS	Nimick et al.	Latest Pleistocene and Holocene glacial events in the Colonia valley, Northern Patagonia Icefield, southern Chile	2016	31	6	<a href="http://dx.doi.org/10.1002/jqs.2847">http://dx.doi.org/10.1002/jqs.2847</a>
50	JQS	Evans et al.	Glacial Lake Pickering: stratigraphy and chronology of a proglacial lake dammed by the North Sea Lobe of the British-Irish Ice Sheet	2016			<a href="http://dx.doi.org/10.1002/jqs.2833">http://dx.doi.org/10.1002/jqs.2833</a>
51	QG	do Nascimento Pupim et al.	Evaluating isothermal thermoluminescence and thermally transferred optically stimulated luminescence for dating of Pleistocene sediments in Amazonia	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.08.003">http://dx.doi.org/10.1016/j.quageo.2016.08.003</a>
52	QG	Valla et al.	Exploring IRSL50 fading variability in bedrock feldspars and implications for OSL thermochronometry	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.08.004">http://dx.doi.org/10.1016/j.quageo.2016.08.004</a>
53	QG	Arnold et al.	OSL dating of individual quartz 'supergrains' from the Ancient Middle Palaeolithic site of Cuesta de la Bajada, Spain	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.07.003">http://dx.doi.org/10.1016/j.quageo.2016.07.003</a>
54	QG	Diaz et al.	Pedogenic carbonate nodules as soil time archives: Challenges and investigations related to OSL dating	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.08.008">http://dx.doi.org/10.1016/j.quageo.2016.08.008</a>
55	QG	Brill et al.	Towards increasing the spatial resolution of luminescence chronologies e Portable luminescence reader measurements and standardized growth curves applied to a beach-ridge plain (Phra Thong, Thailand)	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.09.003">http://dx.doi.org/10.1016/j.quageo.2016.09.003</a>
56	QG	Simkins et al.	Investigation of optically stimulated luminescence behavior of quartz from crystalline rock surfaces: A look forward	2016	36		<a href="http://dx.doi.org/10.1016/j.quageo.2016.09.002">http://dx.doi.org/10.1016/j.quageo.2016.09.002</a>
57	QG	Li et al.	Investigation of the applicability of standardised growth curves for OSL dating of quartz from Haua Fteah cave, Libya	2016	35		<a href="http://dx.doi.org/10.1016/j.quageo.2016.05.001">http://dx.doi.org/10.1016/j.quageo.2016.05.001</a>
58	QG	Smedley & Pearce	Internal U, Th and Rb concentrations of alkali-feldspar grains: Implications for luminescence dating	2016	35		<a href="http://dx.doi.org/10.1016/j.quageo.2016.05.002">http://dx.doi.org/10.1016/j.quageo.2016.05.002</a>
59	QG	Ankjærgaard et al.	Violet stimulated luminescence dating of quartz from Luochuan (Chinese loess plateau): Agreement with independent chronology up to 600 ka	2016	34		<a href="http://dx.doi.org/10.1016/j.quageo.2016.03.001">http://dx.doi.org/10.1016/j.quageo.2016.03.001</a>
60	QG	Burbidge et al.	Parallel calibration transfer and systematic effects in retrospective absorbed dose estimation using OSL	2016	34		<a href="http://dx.doi.org/10.1016/j.quageo.2016.04.001">http://dx.doi.org/10.1016/j.quageo.2016.04.001</a>
61	QI	Liu et al.	Growing pattern of mega-dunes in the Badain Jaran Desert in China revealed by luminescence ages	2016	410	Part B	<a href="http://dx.doi.org/10.1016/j.quaint.2015.09.048">http://dx.doi.org/10.1016/j.quaint.2015.09.048</a>
62	QI	Hamdan et al.	An exploratory Early and Middle Holocene sedimentary record with palynoforams and diatoms from Faiyum lake, Egypt	2016	410	Part A	<a href="http://dx.doi.org/10.1016/j.quaint.2015.12.049">http://dx.doi.org/10.1016/j.quaint.2015.12.049</a>
63	QI	Ozturk et al.	Records of repeated drought stages during HOL, Lake Iznik (Turkey) with reference to beachrock	2016	408	Part A	<a href="http://dx.doi.org/10.1016/j.quaint.2015.08.077">http://dx.doi.org/10.1016/j.quaint.2015.08.077</a>
64	QI	del Valle et al.	Middle to Late Pleistocene dunefields in rocky coast settings at Cala Xuclar (Eivissa, Western Mediterranean): Recognition, architecture and luminescence chronology	2016	407	Part A	<a href="http://dx.doi.org/10.1016/j.quaint.2016.01.050">http://dx.doi.org/10.1016/j.quaint.2016.01.050</a>

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65	QI	Quick et al.	Vegetation and climate dynamics during the last glacial period in the fynbos-afrotropical forest ecotone, southern Cape, South Africa	2016	404	Part B	<a href="http://dx.doi.org/10.1016/j.quaint.2015.08.027">http://dx.doi.org/10.1016/j.quaint.2015.08.027</a>
66	QI	Ozturk et al.	Cement fabrics and optical luminescence ages of beachrock, North Cyprus: Implications for Holocene sea-level changes	2016	401	Part C	<a href="http://dx.doi.org/10.1016/j.quaint.2015.03.024">http://dx.doi.org/10.1016/j.quaint.2015.03.024</a>
67	QI	Polymeris et al.	Dating fossil root cast (Black Sea coast, Turkey) using thermoluminescence: Implications for windblown drift of shelf carbonates during MIS 2	2016	401	Part C	<a href="http://dx.doi.org/10.1016/j.quaint.2015.05.060">http://dx.doi.org/10.1016/j.quaint.2015.05.060</a>
68	QI	Meri et al.	Did <i>Amphistegina lobifera</i> Larsen reach the Mediterranean via the Suez Canal?	2016	401	Part C	<a href="http://dx.doi.org/10.1016/j.quaint.2015.08.088">http://dx.doi.org/10.1016/j.quaint.2015.08.088</a>
69	QI	Sun et al.	Pedostratigraphy of aeolian deposition near the Yunxian Man site on the Hanjiang River terraces, Yunxian Basin, central China	2016	400	Part C	<a href="http://dx.doi.org/10.1016/j.quaint.2015.05.034">http://dx.doi.org/10.1016/j.quaint.2015.05.034</a>
70	QI	Krajcarz et al.	Middle Paleolithic sites of Katta Sai in western Tian Shan piedmont, Central Asiatic loess zone: Geoarchaeological investigation of the site formation and the integrity of the lithic assemblages	2016	399		<a href="http://dx.doi.org/10.1016/j.quaint.2015.07.051">http://dx.doi.org/10.1016/j.quaint.2015.07.051</a>
71	QR	Kalińska-Nartisa et al.	Age and sedimentary record of inland aeolian sediments in Lithuania, NE European Sand Belt	2015	84	1	<a href="http://dx.doi.org/10.1016/j.yqres.2015.04.001">http://dx.doi.org/10.1016/j.yqres.2015.04.001</a>
72	QR	Nordt et al.	Late Quaternary environments of the Waco Mammoth site, Texas USA	2015	84	3	<a href="http://dx.doi.org/10.1016/j.yqres.2015.10.003">http://dx.doi.org/10.1016/j.yqres.2015.10.003</a>
73	QR	Pope et al.	A chronology of alluvial fan response to Late Quaternary sea level and climate change, Crete	2016	86	2	<a href="http://dx.doi.org/10.1016/j.yqres.2016.06.003">http://dx.doi.org/10.1016/j.yqres.2016.06.003</a>
74	QR	Hudson et al.	A regional record of expanded Holocene wetlands and prehistoric human occupation from paleowetland deposits of the western Yarlung Tsangpo valley, southern Tibetan Plateau	2016	86	1	<a href="http://dx.doi.org/10.1016/j.yqres.2016.04.001">http://dx.doi.org/10.1016/j.yqres.2016.04.001</a>
75	QR	Guo et al.	Luminescence ages for three 'Middle Palaeolithic' sites in the Nihewan Basin, northern China, and their archaeological and palaeoenvironmental implications	2016	85	3	<a href="http://dx.doi.org/10.1016/j.yqres.2016.03.002">http://dx.doi.org/10.1016/j.yqres.2016.03.002</a>
76	QR	Carr et al.	An optical luminescence chronology for late Pleistocene aeolian activity in the Colombian and Venezuelan Llanos	2016	85	2	<a href="http://dx.doi.org/10.1016/j.yqres.2015.12.009">http://dx.doi.org/10.1016/j.yqres.2015.12.009</a>
77	QR	Kehl et al.	Site formation and chronology of the new Paleolithic site Sima de Las Palomas de Teba, southern Spain	2016	85	2	<a href="http://dx.doi.org/10.1016/j.yqres.2016.01.007">http://dx.doi.org/10.1016/j.yqres.2016.01.007</a>
78	QR	Ordiozola et al.	Distribution and chronological framework for Iberian variscite mining and consumption at Pico Centeno, Encinasola, Spain	2016	85	1	<a href="http://dx.doi.org/10.1016/j.yqres.2015.11.010">http://dx.doi.org/10.1016/j.yqres.2015.11.010</a>
79	QR	Hickin et al.	Coalescence of late Wisconsinan Cordilleran and Laurentide ice sheets east of the Rocky Mountain Foothills in the Dawson Creek region, northeast British Columbia, Canada	2016	85	3	<a href="http://dx.doi.org/10.1016/j.yqres.2016.02.005">http://dx.doi.org/10.1016/j.yqres.2016.02.005</a>
80	QR	Dietze et al.	Environmental history recorded in aeolian deposits under stone pavements, Mojave Desert, USA	2016	85	1	<a href="http://dx.doi.org/10.1016/j.yqres.2015.11.007">http://dx.doi.org/10.1016/j.yqres.2015.11.007</a>
81	QSR	Desruelles et al.	Evidence for early irrigation at Bat (Wadi Sharsah, northwest Oman) before the advent of farming villages	2016	150	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.08.007">http://dx.doi.org/10.1016/j.quascirev.2016.08.007</a>

#	JOURNAL	AUTHORS	TITLE	YEAR	VOL	ISSUE	DOI
82	QSR	Schirrmeister et al.	Late Quaternary paleoenvironmental records from the Chatanika River valley near Fairbanks (Alaska)	2016	150	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.08.007">http://dx.doi.org/10.1016/j.quascirev.2016.08.007</a>
83	QSR	Dalton et al.	Constraining the Late Pleistocene history of the Laurentide Ice Sheet by dating the Missinaibi Formation, Hudson Bay Lowlands, Canada	2016	146	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.06.015">http://dx.doi.org/10.1016/j.quascirev.2016.06.015</a>
84	QSR	Antinao et al.	Late Pleistocene-Holocene alluvial stratigraphy of southern Baja California, Mexico	2016	146	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.06.008">http://dx.doi.org/10.1016/j.quascirev.2016.06.008</a>
85	QSR	Dortch et al.	The timing and cause of megafauna mass deaths at Lancefield Swamp, south-eastern Australia	2016	145	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.05.042">http://dx.doi.org/10.1016/j.quascirev.2016.05.042</a>
86	QSR	Stimpson et al.	Middle Pleistocene vertebrate fossils from the Nefud Desert, Saudi Arabia: Implications for biogeography and palaeoecology	2016	143	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.05.016">http://dx.doi.org/10.1016/j.quascirev.2016.05.016</a>
87	QSR	Tripaldi & Forman	Eolian depositional phases during the past 50 ka and inferred climate variability for the Pampean Sand Sea, western Pampas, Argentina	2016	139	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.03.007">http://dx.doi.org/10.1016/j.quascirev.2016.03.007</a>
88	QSR	Livsey et al.	Drought modulated by North Atlantic sea surface temperatures for the last 3,000 years along the northwestern Gulf of Mexico	2016	135	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2016.01.010">http://dx.doi.org/10.1016/j.quascirev.2016.01.010</a>
89	QSR	Smedley et al.	Luminescence dating of glacial advances at Lago Buenos Aires ( $\sim 46^{\circ}$ S), Patagonia	2016	134	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2015.12.010">http://dx.doi.org/10.1016/j.quascirev.2015.12.010</a>
90	QSR	Hu et al.	Rapid fluvial incision and headward erosion by the Yellow River along the Jinshaan gorge during the past 1.2 Ma as a result of tectonic extension	2016	133	C	<a href="http://dx.doi.org/10.1016/j.quascirev.2015.12.003">http://dx.doi.org/10.1016/j.quascirev.2015.12.003</a>
91	HOL	Jin et al.	Holocene shorelines and lake evolution in Juyanze Basin, southern Mongolian Plateau, revealed by luminescence dating	2015	25	12	<a href="http://dx.doi.org/10.1177/0959683615591349">http://dx.doi.org/10.1177/0959683615591349</a>
92	HOL	Hede et al.	Changes in Holocene relative sea-level and coastal morphology: A study of a raised beach ridge system on Samsø, southwest Scandinavia	2015	25	9	<a href="http://dx.doi.org/10.1177/0959683615585834">http://dx.doi.org/10.1177/0959683615585834</a>
93	HOL	Leonard & Nott	Rapid Cycles of Episodic Adjustment: Understanding HOL fluvial archive of the Daintree River of Northeastern Australia	2015	25	8	<a href="http://dx.doi.org/10.1177/0959683615580860">http://dx.doi.org/10.1177/0959683615580860</a>
94	HOL	Portenga et al.	Timing of post-European settlement alluvium deposition in SE Australia: A legacy of European land-use in the Goulburn Plains	2016	26	9	<a href="http://dx.doi.org/10.1177/0959683616640047">http://dx.doi.org/10.1177/0959683616640047</a>
95	HOL	Guo et al.	Palaeo-earthquake and palaeo-mudflow events at the Machangyuan Ruins in the Huangshui River valley, northeastern margin of the Tibetan Plateau	2016	26	8	<a href="http://dx.doi.org/10.1177/0959683616638437">http://dx.doi.org/10.1177/0959683616638437</a>
96	HOL	Larsen et al.	The influence of historic land-use changes on hillslope erosion and sediment redistribution	2016	26	8	<a href="http://dx.doi.org/10.1177/0959683616638420">http://dx.doi.org/10.1177/0959683616638420</a>
97	HOL	Müller et al.	Holocene palaeosols and aeolian activities in the Uummimalissuaq valley, West Greenland	2016	26	7	<a href="http://dx.doi.org/10.1177/0959683616632885">http://dx.doi.org/10.1177/0959683616632885</a>
98	HOL	Hu et al.	Extreme paleoflood events 3200–3000 a BP in the Jingyuan–Jingtai reaches of the upper Yellow River, China	2016	26	5	<a href="http://dx.doi.org/10.1177/0959683615618257">http://dx.doi.org/10.1177/0959683615618257</a>
99	HOL	Fan et al.	History and mechanisms for the expansion of the Badain Jaran Desert, northern China, since 20 ka: Geological and luminescence chronological evidence	2016	26	4	<a href="http://dx.doi.org/10.1177/0959683615612588">http://dx.doi.org/10.1177/0959683615612588</a>

#	JOURNAL	AUTHORS	TITLE	YEAR	VOL	ISSUE	DOI
100	HOL	Ahlborn et al.	Holocene lake level history of the Tangra Yumco lake system, southern-central Tibetan Plateau	2016	26	2	<a href="http://dx.doi.org/10.1177/0959683615596840">http://dx.doi.org/10.1177/0959683615596840</a>

BOR = Boreas, CAT = Catena, EPSL = Earth Planetary Science Letters, GM = Geomorphology, JQS = Journal of Quaternary Science, QG = Quaternary Geochronology  
QI = Quaternary International, QR = Quaternary Research, QSR = Quaternary Science Reviews, HOL = The Holocene

## Additional graphics

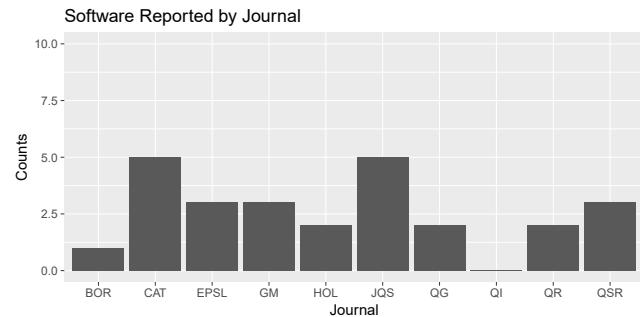


Figure S1: Software reported by journal.

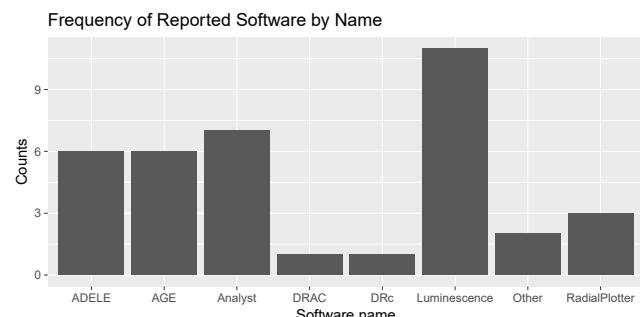


Figure S2: Frequency of reported software by name