Stuart Black

List of Publications by Year
in descending order

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Version: 2024-02-01

81 papers	4,616 citations	101543 36 h-index	98798 67 g-index
81 all docs	81 docs citations	81 times ranked	4766 citing authors

#	Article	IF	Citations
1	The tempo of Holocene climatic change in the eastern Mediterranean region: new high-resolution crater-lake sediment data from central Turkey. Holocene, 2001, 11, 721-736.	1.7	308
2	A review of studies performed to assess metal uptake by earthworms. Environmental Pollution, 2007, 145, 402-424.	7.5	263
3	A review of palaeoclimates and palaeoenvironments in the Levant and Eastern Mediterranean from 25,000 to 5000 years BP: setting the environmental background for the evolution of human civilisation. Quaternary Science Reviews, 2006, 25, 1517-1541.	3.0	237
4	U-series isotopes and destructive plate margin magma genesis in the Lesser Antilles. Earth and Planetary Science Letters, 1996, 142, 191-207.	4.4	214
5	Correlation of fluvial sequences in the Mediterranean basin over the last 200ka and their relationship to climate change. Quaternary Science Reviews, 2002, 21, 1633-1641.	3.0	201
6	The role of magma mixing in triggering the current eruption at the Soufriere Hills Volcano, Montserrat, West Indies. Geophysical Research Letters, 1998, 25, 3433-3436.	4.0	182
7	Onset of recent rapid sea-level rise in the western Atlantic Ocean. Quaternary Science Reviews, 2005, 24, 2083-2100.	3.0	182
8	Plume-Lithosphere Interactions in the Generation of the Basalts of the Kenya Rift, East Africa. Journal of Petrology, 2001, 42, 877-900.	2.8	164
9	Fe-sulphate-rich evaporative mineral precipitates from the RÃo Tinto, southwest Spain. Mineralogical Magazine, 2003, 67, 263-278.	1.4	162
10	Chronology and stratigraphy of Late Quaternary sediments in the Konya Basin, Turkey: Results from the KOPAL Project. Quaternary Science Reviews, 1999, 18, 611-630.	3.0	127
11	Evidence of resilience to past climate change in Southwest Asia: Early farming communities and the 9.2 and 8.2Âka events. Quaternary Science Reviews, 2016, 136, 23-39.	3.0	116
12	Wet Conditions during the Last Glaciation in the Chihuahuan Desert, Alta Babicora Basin, Mexico. Quaternary Research, 2002, 57, 91-101.	1.7	107
13	Resistance to arsenic-toxicity in a population of the earthworm Lumbricus rubellus. Soil Biology and Biochemistry, 1999, 31, 1963-1967.	8.8	105
14	Geochemical Precursors to Volcanic Activity at Mount St. Helens, USA. Science, 2004, 306, 1167-1169.	12.6	99
15	Hydrochemical variations and contaminant load in the RÃo Tinto (Spain) during flood events. Journal of Hydrology, 2008, 350, 25-40.	5.4	97
16	Effects of metals on life cycle parameters of the earthworm Eisenia fetida exposed to field-contaminated, metal-polluted soils. Environmental Pollution, 2007, 149, 44-58.	7.5	95
17	Survival, Pb-uptake and behaviour of three species of earthworm in Pb treated soils determined using an OECD-style toxicity test and a soil avoidance test. Environmental Pollution, 2005, 138, 368-375.	7.5	93
18	Rapid sea-level rise in the Gulf of Maine, USA, since AD 1800. Holocene, 2002, 12, 383-389.	1.7	87

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19	Crustal Origin for Peralkaline Rhyolites from Kenya: Evidence from U-Series Disequilibria and Th-Isotopes. Journal of Petrology, 1997, 38, 277-297.	2.8	84
20	Liquid immiscibility between trachyte and carbonate in ash flow tuffs from Kenya. Contributions To Mineralogy and Petrology, 1993, 114, 276-287.	3.1	76
21	A calcrete-based U/Th chronology for landform evolution in the Sorbas basin, southeast Spain. Quaternary Science Reviews, 2000, 19, 995-1010.	3.0	72
22	Quantifying time scales of pedogenic calcrete formation using U-series disequilibria. Sedimentary Geology, 2004, 170, 177-187.	2.1	71
23	U-series isochron dating of immature and mature calcretes as a basis for constructing Quaternary landform chronologies for the Sorbas basin, southeast Spain. Quaternary Research, 2005, 64, 100-111.	1.7	71
24	Aqueous geochemistry and oxygen isotope compositions of acid mine drainage from the RÃo Tinto, SW Spain, highlight inconsistencies in current models. Chemical Geology, 2009, 265, 321-334.	3.3	65
25	Is the OECD acute worm toxicity test environmentally relevant? The effect of mineral form on calculated lead toxicity. Environmental Pollution, 2003, 121, 49-54.	7.5	61
26	The timing of Quaternary calcrete development in semi-arid southeast Spain: Investigating the role of climate on calcrete genesis. Sedimentary Geology, 2009, 218, 6-15.	2.1	60
27	The influence of time on lead toxicity and bioaccumulation determined by the OECD earthworm toxicity test. Environmental Pollution, 2003, 121, 55-61.	7.5	58
28	Identification and dating of tephra layers from Quaternary sedimentary sequences of Inner Anatolia, Turkey. Journal of Volcanology and Geothermal Research, 1998, 85, 153-172.	2.1	55
29	Reconstruction of climatic changes during the Late Pleistocene, based on sediment records from the Konya Basin (Central Anatolia, Turkey). Geological Journal, 1999, 34, 175-198.	1.3	54
30	Calcrete profile development in Quaternary alluvial sequences, southeast Spain: implications for using calcretes as a basis for landform chronologies. Earth Surface Processes and Landforms, 2003, 28, 169-185.	2.5	53
31	Understanding 2H/1H systematics of leaf wax n-alkanes in coastal plants at Stiffkey saltmarsh, Norfolk, UK. Geochimica Et Cosmochimica Acta, 2014, 128, 13-28.	3.9	50
32	An estimation of the post-mortem interval in human skeletal remains: a radionuclide and trace element approach. Forensic Science International, 2001, 117, 73-87.	2.2	48
33	210Pbâ€“226Ra and 228Raâ€“232Th systematics in young arc lavas: implications for magma degassing and ascent rates. Earth and Planetary Science Letters, 2004, 227, 1-16.	4.4	48
34	Interpreting the response of a dryland river system to Late Quaternary climate change. Quaternary Science Reviews, 2004, 23, 2513-2523.	3.0	41
35	The influence of mineral solubility and soil solution concentration on the toxicity of copper to Eisenia fetida SavignyThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 622-632.	1.2	40
36	Water table decline, springline desiccation and the early development of irrigated agriculture in the WÄ‹di al-AjÄł, Libyan FazzÄn. Libyan Studies, 2004, 35, 95-112.	0.1	38

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37	Tracing pre-eruptive magma degassing using (210Pb/226Ra) disequilibria in the volcanic deposits of the 1980â€“1986 eruption of Mount St. Helens. Earth and Planetary Science Letters, 2006, 249, 337-349.	4.4	38
38	Naturally occurring radioactive material (NORM) from a former phosphoric acid processing plant. Journal of Environmental Radioactivity, 2006, 86, 289-312.	1.7	37
39	U-series disequilibria in young (A.D. 1944) Vesuvius rocks: Preliminary implications for magma residence times and volatile addition. Journal of Volcanology and Geothermal Research, 1998, 82, 97-111.	2.1	34
40	Holocene river development and environmental change in Upper Wharfedale, Yorkshire Dales, England. , 2000, 15, 239-252.		33
41	The Epipalaeolithic (Iberomaurusian) at Grotte des Pigeons (Taforalt), Morocco: A preliminary study of the land Mollusca. Quaternary International, 2011, 244, 5-14.	1.5	31
42	Environmental controls on the production of calcium carbonate by earthworms. Soil Biology and Biochemistry, 2014, 70, 159-161.	8.8	30
43	Reconstructing the accumulation history of a saltmarsh sediment core: Which age-depth model is best?. Quaternary Geochronology, 2017, 39, 35-67.	1.4	30
44	Sediment fingerprinting as an environmental forensics tool explaining cyanobacteria blooms in lakes. Applied Geography, 2012, 32, 832-843.	3.7	29
45	Detection of U(VI) on the surface of altered depleted uranium by time-resolved laser-induced fluorescence spectroscopy (TRLFS). Science of the Total Environment, 2006, 366, 905-909.	8.0	28
46	Characterisation of depleted uranium (DU) from an unfired CHARM-3 penetrator. Science of the Total Environment, 2004, 327, 337-340.	8.0	27
47	Industrial radioactive barite scale: suppression of radium uptake by introduction of competing ions. Minerals Engineering, 2004, 17, 323-330.	4.3	26
48	Differentiating Bone Osteonal Turnover Rates By Density Fractionation; Validation Using the Bomb¹⁴C Atmospheric Pulse. Radiocarbon, 2004, 46, 853-861.	1.8	26
49	Open system alkaline magmatism in northern Kenya: evidence from U-series disequilibria and radiogenic isotopes. Contributions To Mineralogy and Petrology, 1998, 131, 364-378.	3.1	25
50	Quaternary environmental change in Cyrenaica evidenced by U-Th, ESR and OSL dating of coastal alluvial fan sequences. Libyan Studies, 2000, 31, 5-16.	0.1	25
51	The environmental setting of Epipalaeolithic aggregation site Kharaneh IV. Quaternary International, 2016, 396, 95-104.	1.5	25
52	Stubs Versus Swabs? A Comparison of Gunshot Residue Collection Techniques. Journal of Forensic Sciences, 2010, 55, 753-756.	1.6	24
53	A preliminary investigation into mining and smelting impacts on trace element concentrations in the soils and vegetation around Tharsis, SW Spain. Mineralogical Magazine, 2003, 67, 279-288.	1.4	23
54	Changes in toxicity and bioavailability of lead in contaminated soils to the earthworm Eisenia fetida (savigny 1826) after bone meal amendments to the soil. Environmental Toxicology and Chemistry, 2002, 21, 2685-2691.	4.3	20

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55	Recent habitat degradation in karstic Lake Uluabat, western Turkey: A coupled limnologicalâ€“palaeolimnological approach. Biological Conservation, 2008, 141, 2765-2783.	4.1	20
56	Crustal Origin for Peralkaline Rhyolites from Kenya: Evidence from U-Series Disequilibria and Th-Isotopes. Journal of Petrology, 1997, 38, 277-297.	2.8	20
57	The Neolithisation of Liguria (NW Italy): An environmental archaeological and palaeoenvironmental perspective. Environmental Archaeology, 2014, 19, 196-213.	1.2	19
58	Lichens Used as Monitors of Atmospheric Pollution Around Agadir (Southwestern Morocco)â€”A Case Study Predating Lead-Free Gasoline. Water, Air, and Soil Pollution, 2012, 223, 1263-1274.	2.4	17
59	Carbon isotope fractionation between amorphous calcium carbonate and calcite in earthworm-produced calcium carbonate. Applied Geochemistry, 2017, 78, 351-356.	3.0	17
60	Development of a methodology to investigate the importance of chemical speciation on the bioavailability of contaminants to Eisenia andreiThe 7th international symposium on earthworm ecology Â· Cardiff Â· Wales Â· 2002. Pedobiologia, 2003, 47, 633-639.	1.2	16
61	Secondary uranium mineralization in southern Finland and its relationship to recent glacial events. Global and Planetary Change, 2008, 60, 235-249.	3.5	15
62	Earthworm-produced calcite granules: A new terrestrial palaeothermometer?. Geochimica Et Cosmochimica Acta, 2013, 123, 351-357.	3.9	10
63	Ancient Human Genomes and Environmental DNA from the Cement Attaching 2,000-Year-Old Head Lice Nits. Molecular Biology and Evolution, 2022, 39, .	8.9	10
64	Implementation of a strategy for managing radioactive scale in the China Clay industry. Minerals Engineering, 2004, 17, 293-304.	4.3	9
65	Climate and vegetation dynamics of the Northern Apennines (Italy) during the Late Pleistocene and Holocene. Quaternary Science Reviews, 2020, 231, 106206.	3.0	8
66	The influence of mineral solubility and soil solution concentration on the toxicity of copper to Eisenia fetida Savigny. Pedobiologia, 2003, 47, 622-632.	1.2	7
67	Development of a methodology to investigate the importance of chemical speciation on the bioavailability of contaminants to Eisenia andrei. Pedobiologia, 2003, 47, 633-639.	1.2	6
68	Biology as an Agent of Chemical and Mineralogical Change in Soil. Procedia Earth and Planetary Science, 2014, 10, 114-117.	0.6	6
69	Evaporite Minerals and Organic Horizons in Sedimentary Sequences in the Libyan Fezzan: Implications for Palaeoenvironmental Reconstruction. Advances in Global Change Research, 2000, , 193-208.	1.6	6
70	Palaeoenvironmental reconstruction at Beidha, southern Jordan (c. 18,000â€“8,500 BP): Implications for human occupation during the Natufian and Pre-Pottery Neolithic. , 2011, , 245-268.		5
71	The Baltic Crusades and ecological transformation: The zooarchaeology of conquest and cultural change in the Eastern Baltic in the second millennium AD. Quaternary International, 2019, 510, 28-43.	1.5	5
72	CHANGES IN TOXICITY AND BIOAVAILABILITY OF LEAD IN CONTAMINATED SOILS TO THE EARTHWORM EISENIA FETIDA (SAVIGNY 1826) AFTER BONE MEAL AMENDMENTS TO THE SOIL. Environmental Toxicology and Chemistry, 2002, 21, 2685.	4.3	5

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73	Late-Medieval Horse Remains at CÄ“sis Castle, Latvia, and the Teutonic Orderâ€™s Equestrian Resources in Livonia. Medieval Archaeology, 2018, 62, 351-379.	0.5	4
74	Evidence for the onset of mining activities during the 13th century in Poland using lead isotopes from lake sediment cores. Science of the Total Environment, 2019, 683, 589-599.	8.0	4
75	Calcareous concretions yield the first U/Th date for the Late Devensian raised marine strata of eastern Scotland. Scottish Journal of Geology, 2001, 37, 73-78.	0.1	3
76	Palaeoenvironmental and limnological reconstruction of Lake Lisan and the Dead Sea. , 0, , 113-128.		2
77	Bog Microtopography and the Climatic Sensitivity of Testate Amoeba Communities: Implications for Transfer Function-Based Paleo-Water Table Reconstructions. Microbial Ecology, 2020, 80, 309-321.	2.8	2
78	New insights into Late Devensian Lateglacial and early Holocene environmental change: Two high-resolution case studies from SE England. Review of Palaeobotany and Palynology, 2021, 287, 104364.	1.5	2
79	Using proxy data, historical climate data and climate models to investigate aridification during the Holocene. , 0, , 105-112.		1
80	Multi-method solutions to the problem of dating early trackways and associated colluvial sequences. Journal of Archaeological Science: Reports, 2020, 32, 102359.	0.5	1
81	Portable gamma ray spectrometry for archaeological prospection: A preliminary investigation at Silchester Roman Town. Archaeological Prospection, 2022, 29, 353-367.	2.2	1