

Simon J Kemp

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,163
citations

361045

20
h-index

433756

31
g-index

65
all docs

65
docs citations

65
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased yield and CO ₂ sequestration potential with the C ₄ cereal <i>Sorghum bicolor</i> cultivated in basaltic rock dust-amended agricultural soil. <i>Global Change Biology</i> , 2020, 26, 3658-3676.	4.2	102
2	Methods for estimating types of soil organic carbon and their application to surveys of UK urban areas. <i>Soil Use and Management</i> , 2008, 24, 47-59.	2.6	60
3	Precise dating of low-temperature deformation: Strain-fringe analysis by 40Ar-39Ar laser microprobe. <i>Geology</i> , 2003, 31, 219.	2.0	50
4	Lithostratigraphy, sedimentation and evolution of the Volta Basin in Ghana. <i>Precambrian Research</i> , 2010, 183, 701-724.	1.2	48
5	Geochemical mapping using stream sediments in west-central Nigeria: Implications for environmental studies and mineral exploration in West Africa. <i>Applied Geochemistry</i> , 2012, 27, 1035-1052.	1.4	48
6	Effects of mineralogy, chemistry and physical properties of basalts on carbon capture potential and plant-nutrient element release via enhanced weathering. <i>Applied Geochemistry</i> , 2021, 132, 105023.	1.4	42
7	Potential and Pitfalls in Establishing the Provenance of Earth-Related Samples in Forensic Investigations. <i>Journal of Forensic Sciences</i> , 2006, 51, 832-845.	0.9	40
8	Palaeoclimatic implications of high-resolution clay mineral assemblages preceding and across the onset of the Palaeocene-Eocene Thermal Maximum, North Sea Basin. <i>Clay Minerals</i> , 2016, 51, 793-813.	0.2	40
9	An Improved Approach to Characterize Potash-Bearing Evaporite Deposits, Evidenced in North Yorkshire, United Kingdom. <i>Economic Geology</i> , 2016, 111, 719-742.	1.8	38
10	Title is missing!. <i>Environmental Geochemistry and Health</i> , 2000, 22, 281-296.	1.8	35
11	Origin of grain-coating chlorite by smectite transformation: an example from Miocene sandstones, North Sumatra back-arc basin, Indonesia. <i>Clay Minerals</i> , 1994, 29, 681-692.	0.2	34
12	Palaeocene-Eocene paratropical floral change in North America: responses to climate change and plant immigration. <i>Journal of the Geological Society</i> , 2004, 161, 173-184.	0.9	33
13	The mineralogy and fabric of "Brickearths"™ in Kent, UK and their relationship to engineering behaviour. <i>Bulletin of Engineering Geology and the Environment</i> , 2015, 74, 1187-1211.	1.6	33
14	The prospectivity of a potential shale gas play: An example from the southern Pennine Basin (central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	31
15	The petrology and diagenesis of Permo-Triassic rocks of the Sellafield area, Cumbria. <i>Proceedings of the Yorkshire Geological Society</i> , 1994, 50, 77-89.	0.2	29
16	Unusual morphologies and the occurrence of pseudomorphs after ikaite (CaCO ₃ ·6H ₂ O) in fast growing, hyperalkaline speleothems. <i>Mineralogical Magazine</i> , 2017, 81, 565-589.	0.6	29
17	Potentially harmful elements (PHEs) in scalp hair, soil and metallurgical wastes in Mitrovica, Kosovo: The role of oral bioaccessibility and mineralogy in human PHE exposure. <i>Environment International</i> , 2013, 60, 56-70.	4.8	28
18	Clay mineral reaction progress - the maturity and burial history of the Lias Group of England and Wales. <i>Clay Minerals</i> , 2005, 40, 43-61.	0.2	26

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19	US Gulf Coast vegetation dynamics during the latest Palaeocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 167, 1-21.	1.0	24
20	Late Cretaceous and Cenozoic paleoceanography from north-east Atlantic ferromanganese crust microstratigraphy. <i>Marine Geology</i> , 2020, 422, 106122.	0.9	22
21	The morphologies and compositions of depleted uranium particles from an environmental case-study. <i>Mineralogical Magazine</i> , 2009, 73, 495-510.	0.6	21
22	Deglaciation and catchment ontogeny in coastal south-west Greenland: implications for terrestrial and aquatic carbon cycling. <i>Journal of Quaternary Science</i> , 2012, 27, 575-584.	1.1	21
23	The terrestrial landscapes of tetrapod evolution in earliest Carboniferous seasonal wetlands of SE Scotland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 457, 52-69.	1.0	20
24	Responses of soil clay mineralogy in the Rothamsted Classical Experiments in relation to management practice and changing land use. <i>Geoderma</i> , 2009, 153, 136-146.	2.3	19
25	Transmissivity variations in mudstones. <i>Ground Water</i> , 2005, 43, 259-269.	0.7	17
26	Lithological and chemostratigraphic discrimination of facies within the Bowland Shale Formation within the Craven and Edale basins, UK. <i>Petroleum Geoscience</i> , 2020, 26, 325-345.	0.9	16
27	The surface area and reactivity of granitic soils: I. Dissolution rates of primary minerals as a function of depth and age deduced from field observations. <i>Geoderma</i> , 2015, 237-238, 21-35.	2.3	15
28	Heavy mineral analysis by ICP-AES a tool to aid sediment provenancing. <i>Journal of Geochemical Exploration</i> , 2018, 184, 1-10.	1.5	15
29	⁴⁰ Ar/ ³⁹ Ar isotope constraints on the age of deformation in Charnwood Forest, UK. <i>Geological Magazine</i> , 2008, 145, 702-713.	0.9	12
30	Investigating high zircon concentrations in the fine fraction of stream sediments draining the Pan-African Dahomeyan Terrane in Nigeria. <i>Applied Geochemistry</i> , 2012, 27, 1525-1539.	1.4	11
31	The 2017 Regent Landslide, Freetown Peninsula, Sierra Leone. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2019, 52, 435-444.	0.8	11
32	Geochemistry and petrography of phosphorus in urban canal bed sediment. <i>Applied Geochemistry</i> , 2003, 18, 259-267.	1.4	10
33	Clay mineral dating of displacement on the Sronlairig Fault: implications for Mesozoic and Cenozoic tectonic evolution in northern Scotland. <i>Clay Minerals</i> , 2019, 54, 181-196.	0.2	10
34	Sedimentary and diagenetic environments of the Wildmoor Sandstone Formation (UK): implications for groundwater and contaminant transport, and sand production. <i>Geological Society Special Publication</i> , 2006, 263, 129-153.	0.8	10
35	Relationships between particle size distribution and VNIR reflectance spectra are weaker for soils formed from bedrock compared to transported parent materials. <i>Geoderma</i> , 2011, 166, 84-91.	2.3	9
36	Further results on the in situ anaerobic corrosion of carbon steel and copper in compacted bentonite exposed to natural Opalinus Clay porewater containing native microbial populations. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 268-281.	0.8	9

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37	Triassic sediments of the Kaka Point Structural Belt, South Island, New Zealand, and their relationship to the Murihiku Terrane. <i>Journal of the Royal Society of New Zealand</i> , 2003, 33, 57-84.	1.0	8
38	An investigation of some sediment-filled fractures within redbed sandstones of the UK. <i>Proceedings of the Yorkshire Geological Society</i> , 2006, 56, 41-53.	0.2	8
39	Polyphase low-grade metamorphism of the Ingletton Group, northern England, UK: a case study of metamorphic inversion in a mudrock succession. <i>Geological Magazine</i> , 2009, 146, 237-251.	0.9	8
40	Geochemical Interactions Between CO ₂ and Minerals within the Utsira Caprock: A 5-year Experimental Study. <i>Energy Procedia</i> , 2013, 37, 5307-5314.	1.8	8
41	The role of fault gouge properties on fault reactivation during hydraulic stimulation; an experimental study using analogue faults. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 59, 21-34.	2.1	8
42	Mineralogy, solid-phase fractionation and chemical extraction to assess the mobility and availability of arsenic in an urban environment. <i>Applied Geochemistry</i> , 2019, 100, 244-257.	1.4	8
43	Brinrobertsite: a new R1 interstratified pyrophyllite/smectite-like clay mineral: characterization and geological origin. <i>Mineralogical Magazine</i> , 2002, 66, 605-617.	0.6	7
44	In-situ sampling of sediment-filled fractures. <i>Geotechnique</i> , 2003, 53, 665-668.	2.2	7
45	Bentonite reactivity in alkaline solutions: interim results of the Cyprus Natural Analogue Project (CNAP). <i>Clay Minerals</i> , 2013, 48, 235-249.	0.2	7
46	Gaseous carbonation of cementitious backfill for geological disposal of radioactive waste: Nirex Reference Vault Backfill. <i>Applied Geochemistry</i> , 2019, 106, 120-133.	1.4	7
47	Anomalous enrichment of molybdenum and associated metals in Lower Jurassic (Lias Group) black shales of central England, as revealed by systematic geochemical surveys. <i>Proceedings of the Geologists Association</i> , 2015, 126, 346-366.	0.6	6
48	Gel Formation at the Front of Expanding Calcium Bentonites. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 215.	0.8	6
49	Back-reacted saponite in Jurassic mudstones and limestones intruded by a Tertiary sill, Isle of Skye. <i>Clay Minerals</i> , 2005, 40, 263-282.	0.2	6
50	The thermal properties of the Mercia Mudstone Group. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2021, 54, .	0.8	6
51	Is silt the most influential soil grain size fraction?. <i>Applied Geochemistry</i> , 2011, 26, S119-S122.	1.4	5
52	The role of periglacial active layer development in determining soil/rockoloth thickness across a Triassic sandstone outcrop in the UK. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 971-983.	1.2	5
53	Identification of Multi-Style Hydrothermal Alteration Using Integrated Compositional and Topographic Remote Sensing Datasets. <i>Geosciences (Switzerland)</i> , 2016, 6, 36.	1.0	5
54	The anaerobic corrosion of candidate disposal canister materials in compacted bentonite exposed to natural granitic porewater containing native microbial populations. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 361-382.	0.8	5

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55	Dr Barbara S. Neumann: clay scientist and industrial pioneer; creator of Laponite®. Clay Minerals, 2020, 55, 256-260.	0.2	5
56	Kalistrontite, its occurrence, structure, genesis, and significance for the evolution of potash deposits in North Yorkshire, U.K.. American Mineralogist, 2018, 103, 1136-1150.	0.9	4
57	Synthetic magnetic soils for landmine detector testing. , 2003, , .		3
58	Basement controls on Acadian thrusting and fault reactivation along the southern margin of the Welsh Basin. Geological Journal, 2009, 44, 526-536.	0.6	3
59	Reaction of bentonite in low-alkali cement leachates: an overview of the Cyprus Natural Analogue Project (CNAP). Mineralogical Magazine, 2012, 76, 3019-3022.	0.6	3
60	Early silicification of the Cyrenaican chert, Libya: The importance of moganite as a transitional silicon dioxide phase. Sedimentology, 2021, 68, 855-880.	1.6	2
61	Linking soils and human health: geospatial analysis of ground-sampled soil data in relation to community-level podoconiosis data in North West Cameroon. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2020, 114, 937-946.	0.7	2
62	Feasibility of ASD AgriSpec Analysis to Indicate Mineralogy of a Potential Shale Gas Reservoir from West Lancashire, UK. Energy Procedia, 2016, 97, 326-333.	1.8	1
63	Working with <sc>UK</sc> farmers to investigate anecic earthworm middens and soil biophysical properties. Annals of Applied Biology, 0, , .	1.3	1