

Kevin T Taylor

List of Publications by Year in descending order

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65
papers

2,910
citations

201575

27
h-index

168321

53
g-index

68
all docs

68
docs citations

68
times ranked

3298
citing authors

#	ARTICLE	IF	CITATIONS
1	Sediments in urban river basins: a review of sedimentâ€™contaminant dynamics in an environmental system conditioned by human activities. <i>Journal of Soils and Sediments</i> , 2009, 9, 281-303.	1.5	243
2	Geochemical and mineral magnetic characterisation of urban sediment particulates, Manchester, UK. <i>Applied Geochemistry</i> , 2003, 18, 269-282.	1.4	149
3	A review of the ecological and taphonomic controls on foraminiferal assemblage development in intertidal environments. <i>Earth-Science Reviews</i> , 2007, 83, 205-230.	4.0	147
4	Trace Metals as Biomarkers for Eumelanin Pigment in the Fossil Record. <i>Science</i> , 2011, 333, 1622-1626.	6.0	147
5	Iron in Earth Surface Systems: A Major Player in Chemical and Biological Processes. <i>Elements</i> , 2011, 7, 83-88.	0.5	146
6	Novel 3D centimetre-to nano-scale quantification of an organic-rich mudstone: The Carboniferous Bowland Shale, Northern England. <i>Marine and Petroleum Geology</i> , 2016, 72, 193-205.	1.5	115
7	High-Resolution Facies Analyses of Mudstones: Implications for Paleoenvironmental and Sequence Stratigraphic Interpretations of Offshore Ancient Mud-Dominated Successions. <i>Journal of Sedimentary Research</i> , 2007, 77, 324-339.	0.8	114
8	Early diagenetic pyrite morphology in a mudstone-dominated succession: the Lower Jurassic Cleveland Ironstone Formation, eastern England. <i>Sedimentary Geology</i> , 2000, 131, 77-86.	1.0	106
9	Iron Minerals in Marine Sediments Record Chemical Environments. <i>Elements</i> , 2011, 7, 113-118.	0.5	102
10	Compositional controls on early diagenetic pathways in fine-grained sedimentary rocks: Implications for predicting unconventional reservoir attributes of mudstones. <i>AAPG Bulletin</i> , 2014, 98, 587-603.	0.7	99
11	A spatial and seasonal assessment of river water chemistry across North West England. <i>Science of the Total Environment</i> , 2010, 408, 841-855.	3.9	89
12	Hierarchical integration of porosity in shales. <i>Scientific Reports</i> , 2018, 8, 11683.	1.6	88
13	Mineralized soft-tissue structure and chemistry in a mummified hadrosaur from the Hell Creek Formation, North Dakota (USA). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3429-3437.	1.2	81
14	A sequence-stratigraphic interpretation of a mudstone-dominated succession: the Lower Jurassic Cleveland Ironstone Formation, UK. <i>Journal of the Geological Society</i> , 1996, 153, 759-770.	0.9	66
15	A novel upscaling procedure for characterising heterogeneous shale porosity from nanometer-to millimetre-scale in 3D. <i>Energy</i> , 2019, 181, 1285-1297.	4.5	66
16	Solid-Phase Speciation of Pb in Urban Road Dust Sediment: A XANES and EXAFS Study. <i>Environmental Science & Technology</i> , 2010, 44, 2940-2946.	4.6	61
17	Diagenetic controls on the reservoir quality of the tight gas Collyhurst Sandstone Formation, Lower Permian, East Irish Sea Basin, United Kingdom. <i>Sedimentary Geology</i> , 2018, 371, 55-74.	1.0	60
18	Arsenic retention and release in ombrotrophic peatlands. <i>Science of the Total Environment</i> , 2009, 407, 1405-1417.	3.9	59

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19	Multi-scale 3D characterisation of porosity and organic matter in shales with variable TOC content and thermal maturity: Examples from the Lublin and Baltic Basins, Poland and Lithuania. <i>International Journal of Coal Geology</i> , 2017, 180, 100-112.	1.9	58
20	Transport and deposition of mud in deep-water environments: Processes and stratigraphic implications. <i>Sedimentology</i> , 2019, 66, 2894-2925.	1.6	54
21	Storage and Behavior of As, Sb, Pb, and Cu in Ombrotrophic Peat Bogs under Contrasting Water Table Conditions. <i>Environmental Science & Technology</i> , 2010, 44, 8497-8502.	4.6	49
22	Stratigraphic Significance of Ooidal Ironstones from the Cretaceous Western Interior Seaway: The Peace River Formation, Alberta, Canada, and the Castlegate Sandstone, Utah, U.S.A.. <i>Journal of Sedimentary Research</i> , 2002, 72, 316-327.	0.8	48
23	Temporal Variability of Metal Contamination in Urban Road-deposited Sediment in Manchester, UK: Implications for Urban Pollution Monitoring. <i>Water, Air, and Soil Pollution</i> , 2007, 186, 209-220.	1.1	41
24	Predicting river water quality across North West England using catchment characteristics. <i>Journal of Hydrology</i> , 2010, 395, 153-162.	2.3	41
25	Early diagenetic vivianite [Fe ₃ (PO ₄) ₂ ·8H ₂ O] in a contaminated freshwater sediment and insights into zinc uptake: A ¹ / ₄ -EXAFS, ¹ / ₄ -XANES and Raman study. <i>Applied Geochemistry</i> , 2008, 23, 1623-1633.	1.4	38
26	Extensive carbonate cementation of fluvial sandstones: An integrated outcrop and petrographic analysis from the Upper Cretaceous, Book Cliffs, Utah. <i>Marine and Petroleum Geology</i> , 2011, 28, 1461-1474.	1.5	37
27	Kinematics of Polygonal Fault Systems: Observations from the Northern North Sea. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	32
28	Characterisation of road-dust sediment in urban systems: a review of a global challenge. <i>Journal of Soils and Sediments</i> , 2020, 20, 4194-4217.	1.5	32
29	Basin-scale dolomite cementation of shoreface sandstones in response to sea-level fall. <i>Bulletin of the Geological Society of America</i> , 2003, 115, 1218.	1.6	31
30	Basin-scale diagenetic alteration of shoreface sandstones in the Upper Cretaceous Spring Canyon and Aberdeen Members, Blackhawk Formation, Book Cliffs, Utah. <i>Sedimentary Geology</i> , 2004, 172, 99-115.	1.0	27
31	The role of grain dissolution and diagenetic mineral precipitation in the cycling of metals and phosphorus: A study of a contaminated urban freshwater sediment. <i>Applied Geochemistry</i> , 2007, 22, 1344-1358.	1.4	27
32	Diagenetic mineral development within the Upper Jurassic Haynesville-Bossier Shale, <scp>USA</scp>. <i>Sedimentology</i> , 2020, 67, 47-77.	1.6	27
33	Linking multi-scale 3D microstructure to potential enhanced natural gas recovery and subsurface CO ₂ storage for Bowland shale, UK. <i>Energy and Environmental Science</i> , 2021, 14, 4481-4498.	15.6	27
34	Inhibition of dissolution within shallow water carbonate sediments: impacts of terrigenous sediment input on syn-depositional carbonate diagenesis. <i>Sedimentology</i> , 2006, 53, 495-513.	1.6	26
35	Total and size-fractionated mass of road-deposited sediment in the city of Prince George, British Columbia, Canada: implications for air and water quality in an urban environment. <i>Journal of Soils and Sediments</i> , 2011, 11, 1040-1051.	1.5	26
36	Sedimentology and microfacies of a mud-rich slope succession: in the Carboniferous Bowland Basin, NW England (UK). <i>Journal of the Geological Society</i> , 2018, 175, 247-262.	0.9	26

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37	Electron spin resonance as a high sensitivity technique for environmental magnetism: determination of contamination in carbonate sediments. <i>Geophysical Journal International</i> , 2002, 149, 328-337.	1.0	24
38	Patterns of early post-depositional and burial cementation in distal shallow-marine sandstones: Upper Cretaceous Kenilworth Member, Book Cliffs, Utah, USA. <i>Sedimentary Geology</i> , 2007, 198, 125-145.	1.0	24
39	Speciation and potential long-term behaviour of chromium in urban sediment particulates. <i>Journal of Soils and Sediments</i> , 2017, 17, 2666-2676.	1.5	23
40	Spatial and temporal variations in early diagenetic organic matter oxidation pathways in Lower Jurassic mudstones of eastern England. <i>Chemical Geology</i> , 1998, 145, 47-60.	1.4	18
41	Electron microbeam analysis of urban road-deposited sediment, Manchester, UK: Improved source discrimination and metal speciation assessment. <i>Applied Geochemistry</i> , 2009, 24, 1261-1269.	1.4	18
42	Contrasting controls on arsenic and lead budgets for a degraded peatland catchment in Northern England. <i>Environmental Pollution</i> , 2011, 159, 3129-3133.	3.7	18
43	Systematic sequence-scale controls on carbonate cementation in a siliciclastic sedimentary basin: Examples from Upper Cretaceous shallow marine deposits of Utah and Colorado, USA. <i>Marine and Petroleum Geology</i> , 2010, 27, 1297-1310.	1.5	17
44	Sedimentological and geochemical controls on ooidal ironstone and "bone-bed" formation and some comments on their sequence-stratigraphical significance. <i>Geological Society Special Publication</i> , 1996, 103, 97-107.	0.8	16
45	Silica diagenesis in Cenozoic mudstones of the North Viking Graben: physical properties and basin modelling. <i>Basin Research</i> , 2017, 29, 556-575.	1.3	15
46	Fringe or background: Characterizing deep-water mudstones beyond the basin-floor fan sandstone pinchout. <i>Journal of Sedimentary Research</i> , 2020, 90, 1678-1705.	0.8	15
47	Sediment and porewater geochemistry in a metal contaminated estuary, Dulas Bay, Anglesey. <i>Environmental Geochemistry and Health</i> , 2003, 25, 115-122.	1.8	14
48	Non-marine oolitic ironstones in the Lower Cretaceous Wealden sediments of southeast England. <i>Geological Magazine</i> , 1992, 129, 349-358.	0.9	12
49	Sediments, porewaters and diagenesis in an urban water body, Salford, UK: impacts of remediation. <i>Hydrological Processes</i> , 2003, 17, 2049-2061.	1.1	10
50	Impacts of Bauxite Sediment Inputs on a Carbonate-Dominated Embayment, Discovery Bay, Jamaica. <i>Journal of Coastal Research</i> , 2004, 204, 1070-1079.	0.1	10
51	Bacterial iron oxide reduction in a terrigenous sediment-impacted tropical shallow marine carbonate system, north Jamaica. <i>Marine Chemistry</i> , 2007, 107, 449-463.	0.9	10
52	Controls on carbonate cementation in early syn-rift terrestrial siliciclastics: The Lower Cretaceous of the Bayindulan Sag in Erlian Basin, China. <i>Marine and Petroleum Geology</i> , 2019, 105, 64-80.	1.5	10
53	Pedogenic clay mineral transformation in the Weald Basin: implications for Early Cretaceous hinterland climate reconstructions. <i>Cretaceous Research</i> , 1996, 17, 103-108.	0.6	8
54	Temporal shifts in reef lagoon sediment composition, Discovery Bay, Jamaica. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 67, 133-144.	0.9	8

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55	Efficiencies of As uptake from aqueous solution by a natural vivianite material at 4Å°C. Mineralogical Magazine, 2008, 72, 429-431.	0.6	7
56	Solid-phase speciation of Zn in road dust sediment. Mineralogical Magazine, 2011, 75, 2611-2629.	0.6	7
57	Sedimentologic and stratigraphic criteria to distinguish between basinâ€floor and slope mudstones: Implications for the delivery of mud to deepâ€water environments. Depositional Record, 2022, 8, 958-988.	0.8	7
58	Impact of silica diagenesis on the porosity of fineâ€grained strata: An analysis of <sc>C</sc>enozoic mudstones from the <sc>N</sc>orth <sc>S</sc>ea. Geochemistry, Geophysics, Geosystems, 2017, 18, 1537-1549.	1.0	6
59	Early Cretaceous iron ooids in the Paris Basin: pedogenic versus marine origin and their palaeoclimatic significance. Cretaceous Research, 1996, 17, 109-118.	0.6	5
60	Early Cretaceous environments. Journal of the Geological Society, 1993, 150, 413-414.	0.9	3
61	Title is missing!. Environmental Geochemistry and Health, 1999, 21, 317-322.	1.8	2
62	MINERALS IN CONTAMINATED ENVIRONMENTS: CHARACTERIZATION, STABILITY, IMPACT. Canadian Mineralogist, 2009, 47, 489-492.	0.3	2
63	Can One-Run-Fixed-Arrhenius Kerogen Analysis Provide Comparable Organofacies Results to Detailed Palynological Analysis? A Case Study from a Prospective Mississippian Source Rock Reservoir (Bowland Shale, UK). Natural Resources Research, 2020, 29, 2011-2031.	2.2	1
64	Mineralogy of marine sediment systems. , 0, , 123-175.		1
65	Urban sedimentsâ€a global perspective. Journal of Soils and Sediments, 2008, 8, 275-275.	1.5	0