

Kate L Spencer

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,356
citations

331259

21
h-index

360668

35
g-index

45
all docs

45
docs citations

45
times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	Vegetation interactions with geotechnical properties and erodibility of salt marsh sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 265, 107713.	0.9	11
2	Flocculation with heterogeneous composition in water environments: A review. <i>Water Research</i> , 2022, 213, 118147.	5.3	45
3	Quantification of 3-dimensional structure and properties of flocculated natural suspended sediment. <i>Water Research</i> , 2022, 222, 118835.	5.3	7
4	Resistance of salt marsh substrates to near-instantaneous hydrodynamic forcing. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 67-88.	1.2	21
5	Pore, live root and necromass quantification in complex heterogeneous wetland soils using X-ray computed tomography. <i>Geoderma</i> , 2021, 387, 114898.	2.3	14
6	Accumulation of trace metals in freshwater macroinvertebrates across metal contamination gradients. <i>Environmental Pollution</i> , 2021, 276, 116721.	3.7	7
7	Effect of vegetation cover and sediment type on 3D subsurface structure and shear strength in saltmarshes. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2279-2297.	1.2	15
8	A structure-function based approach to floc hierarchy and evidence for the non-fractal nature of natural sediment flocs. <i>Scientific Reports</i> , 2021, 11, 14012.	1.6	30
9	Coastal Landfills and Rising Sea Levels: A Challenge for the 21st Century. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	27
10	Systematic Analysis of the Relative Abundance of Polymers Occurring as Microplastics in Freshwaters and Estuaries. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9304.	1.2	34
11	Will flooding or erosion of historic landfills result in a significant release of soluble contaminants to the coastal zone?. <i>Science of the Total Environment</i> , 2020, 724, 138150.	3.9	10
12	There is no such thing as "undisturbed" soil and sediment sampling: sampler-induced deformation of salt marsh sediments revealed by 3D X-ray computed tomography. <i>Journal of Soils and Sediments</i> , 2020, 20, 2960-2976.	1.5	9
13	Integrated and Sustainable Management of Post-industrial Coasts. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	23
14	Development of novel 2D and 3D correlative microscopy to characterise the composition and multiscale structure of suspended sediment aggregates. <i>Continental Shelf Research</i> , 2020, 200, 104112.	0.9	14
15	Coastal Landfills, Rising Sea Levels and Shoreline Management: A Challenge for the 21st Century. , 2020, , .		3
16	Potential contamination of the coastal zone by eroding historic landfills. <i>Marine Pollution Bulletin</i> , 2019, 146, 282-291.	2.3	14
17	A Model-Based Analysis of Metal Fate in the Thames Estuary. <i>Estuaries and Coasts</i> , 2019, 42, 1185-1201.	1.0	10
18	Sediment structure and physicochemical changes following tidal inundation at a large open coast managed realignment site. <i>Science of the Total Environment</i> , 2019, 660, 1419-1432.	3.9	15

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19	The contaminant legacy from historic coastal landfills and their potential as sources of diffuse pollution. <i>Marine Pollution Bulletin</i> , 2018, 128, 446-455.	2.3	37
20	Unravelling metal mobility under complex contaminant signatures. <i>Science of the Total Environment</i> , 2018, 622-623, 373-384.	3.9	25
21	Potential pollution risks of historic landfills on low-lying coasts and estuaries. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1264.	2.8	41
22	Risk screening assessment for ranking historic coastal landfills by pollution risk. <i>Anthropocene Coasts</i> , 2018, 1, 44-61.	0.6	8
23	The Impact of Metal-Rich Sediments Derived from Mining on Freshwater Stream Life. <i>Reviews of Environmental Contamination and Toxicology</i> , 2018, 248, 111-189.	0.7	2
24	The impact of pre-restoration land-use and disturbance on sediment structure, hydrology and the sediment geochemical environment in restored saltmarshes. <i>Science of the Total Environment</i> , 2017, 587-588, 47-58.	3.9	40
25	The effects of sulfur amendments on the geochemistry of sulfur, phosphorus and iron in the mangrove plant (<i>Kandelia obovata</i> (S. L.)) rhizosphere. <i>Marine Pollution Bulletin</i> , 2017, 114, 733-741.	2.3	24
26	Unbounded boundaries and shifting baselines: Estuaries and coastal seas in a rapidly changing world. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 311-319.	0.9	31
27	Quantifying the Structure and Composition of Flocculated Suspended Particulate Matter Using Focused Ion Beam Nanotomography. <i>Environmental Science & Technology</i> , 2017, 51, 8917-8925.	4.6	24
28	Metal fate and effects in estuaries: A review and conceptual model for better understanding of toxicity. <i>Science of the Total Environment</i> , 2016, 541, 268-281.	3.9	237
29	Modified sediments and subsurface hydrology in natural and recreated salt marshes and implications for delivery of ecosystem services. <i>Hydrological Processes</i> , 2015, 29, 2346-2357.	1.1	38
30	The role of vegetation in the retention of fine sediment and associated metal contaminants in London's rivers. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1115-1127.	1.2	6
31	Temporal and spatial distributions of sediment mercury in restored coastal saltmarshes. <i>Marine Chemistry</i> , 2014, 167, 150-159.	0.9	8
32	Potential contaminant release from agricultural soil and dredged sediment following managed realignment. <i>Journal of Soils and Sediments</i> , 2012, 12, 1581-1592.	1.5	6
33	Understanding system disturbance and ecosystem services in restored saltmarshes: Integrating physical and biogeochemical processes. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 106, 23-32.	0.9	71
34	A novel tracer technique for the assessment of fine sediment dynamics in urban water management systems. <i>Water Research</i> , 2011, 45, 2595-2606.	5.3	21
35	Sediment characteristics of a restored saltmarsh and mudflat in a managed realignment scheme in Southeast England. <i>Hydrobiologia</i> , 2011, 672, 79-89.	1.0	17
36	An appraisal of microwave-assisted Tessier and BCR sequential extraction methods for the analysis of metals in sediments and soils. <i>Journal of Soils and Sediments</i> , 2011, 11, 518-528.	1.5	31

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37	The development of rare earth element-labelled potassium-depleted clays for use as cohesive sediment tracers in aquatic environments. <i>Journal of Soils and Sediments</i> , 2011, 11, 1052-1061.	1.5	9
38	Dynamic interactions between cohesive sediment tracers and natural mud. <i>Journal of Soils and Sediments</i> , 2010, 10, 1401-1414.	1.5	28
39	The distribution of acid-volatile sulfide and simultaneously extracted metals in sediments from a mangrove forest and adjacent mudflat in Zhangjiang Estuary, China. <i>Marine Pollution Bulletin</i> , 2010, 60, 1209-1216.	2.3	43
40	Physicochemical changes in sediments at Orplands Farm, Essex, UK following 8 years of managed realignment. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 608-619.	0.9	39
41	Sorption of lanthanum onto clay minerals: a potential tracer for fine sediment transport in the coastal marine environment?. <i>Geological Society Special Publication</i> , 2007, 274, 17-24.	0.8	8
42	Source and distribution of trace metals in the Medway and Swale estuaries, Kent, UK. <i>Marine Pollution Bulletin</i> , 2006, 52, 226-230.	2.3	18
43	Heavy metal distribution and accumulation in two <i>Spartina</i> sp.-dominated macrotidal salt marshes from the Seine estuary (France) and the Medway estuary (UK). <i>Applied Geochemistry</i> , 2005, 20, 1195-1208.	1.4	41
44	Heavy metal distribution and early-diagenesis in salt marsh sediments from the Medway Estuary, Kent, UK. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 57, 43-54.	0.9	108
45	Spatial variability of metals in the inter-tidal sediments of the Medway Estuary, Kent, UK. <i>Marine Pollution Bulletin</i> , 2002, 44, 933-944.	2.3	86