Heather A Viles

List of Publications by Year
in descending order

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Version: 2024-02-01

181 papers	6,271 citations	50170 46 h-index	98622 67 g-index
198 all docs	198 docs citations	198 times ranked	4803 citing authors

#	Article	IF	Citations
1	The use of the Schmidt Hammer and Equotip for rock hardness assessment in geomorphology and heritage science: a comparative analysis. Earth Surface Processes and Landforms, 2011, 36, 320-333.	1.2	185
2	A Review and Reassessment of Travertine Classification. GÃ©ographie Physique Et Quaternaire, 1994, 48, 305-314.	0.2	153
3	Biogeomorphology revisited: looking towards the future. Geomorphology, 2002, 47, 3-14.	1.1	152
4	Biogeomorphological disturbance regimes: progress in linking ecological and geomorphological systems. Earth Surface Processes and Landforms, 2008, 33, 1419-1435.	1.2	140
5	Scale issues in weathering studies. Geomorphology, 2001, 41, 63-72.	1.1	133
6	Interannual, decadal and multidecadal scale climatic variability and geomorphology. Earth-Science Reviews, 2003, 61, 105-131.	4.0	133
7	Weathering and the global carbon cycle: Geomorphological perspectives. Earth-Science Reviews, 2012, 113, 59-71.	4.0	124
8	Ecological perspectives on rock surface weathering: Towards a conceptual model. Geomorphology, 1995, 13, 21-35.	1.1	117
9	Experimental testing of the durability of lime-based mortars used for rendering historic buildings. Construction and Building Materials, 2012, 28, 807-818.	3.2	115
10	Bioprotection explored: the story of a little known earth surface process. Geomorphology, 2005, 67, 273-281.	1.1	110
11	Dust particulate absorption by ivy (Hedera helix L) on historic walls in urban environments. Science of the Total Environment, 2010, 409, 162-168.	3.9	109
12	Reconceptualising the role of organisms in the erosion of rock coasts: A new model. Geomorphology, 2012, 157-158, 17-30.	1.1	97
13	Microbial geomorphology: A neglected link between life and landscape. Geomorphology, 2012, 157-158, 6-16.	1.1	95
14	Algal â€˜greeningâ€™ and the conservation of stone heritage structures. Science of the Total Environment, 2013, 442, 152-164.	3.9	93
15	Evaluating the role of ivy (Hedera helix) in moderating wall surface microclimates and contributing to the bioprotection of historic buildings. Building and Environment, 2011, 46, 293-297.	3.0	91
16	Bioprotection and disturbance: Seaweed, microclimatic stability and conditions for mechanical weathering in the intertidal zone. Geomorphology, 2013, 202, 4-14.	1.1	85
17	Microclimate and weathering in the central Namib Desert, Namibia. Geomorphology, 2005, 67, 189-209.	1.1	78
18	Towards a more effective and reliable salt crystallization test for porous building materials: state of the art. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	78

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19	Bioconstruction, bioerosion and disturbance on tropical coasts: coral reefs and rocky limestone shores. Geomorphology, 2002, 48, 23-50.	1.1	77
20	Rock-weathering by the lichenLecidea auriculata in an arctic alpine environment. Earth Surface Processes and Landforms, 1995, 20, 199-206.	1.2	75
21	Geoelectric investigations into sandstone moisture regimes: Implications for rock weathering and the deterioration of San Rock Art in the Golden Gate Reserve, South Africa. Geomorphology, 2010, 118, 280-287.	1.1	75
22	The role of rock surface hardness and internal moisture in tafoni development in sandstone. Earth Surface Processes and Landforms, 2012, 37, 301-314.	1.2	71
23	Global environmental change and the biology of heritage structures. Global Change Biology, 2012, 18, 2406-2418.	4.2	71
24	Eukaryotic Microorganisms and Stone Biodeterioration. Geomicrobiology Journal, 2010, 27, 630-646.	1.0	69
25	Recovery of lichen-dominated soil crusts in a hyper-arid desert. Biodiversity and Conservation, 2008, 17, 1-20.	1.2	64
26	Soiling and microbial colonisation on urban roadside limestone: a three year study in Oxford, England. Building and Environment, 2003, 38, 1217-1224.	3.0	62
27	Biofilms and case hardening on sandstones from Al-Quwayra, Jordan. Earth Surface Processes and Landforms, 2004, 29, 1473-1485.	1.2	61
28	Facies evidence of hydroclimatic regime shifts in tufa depositional sequences from the arid Naukluft Mountains, Namibia. Sedimentary Geology, 2007, 195, 39-53.	1.0	61
29	Wetting and drying of masonry walls: 2D-resistivity monitoring of driving rain experiments on historic stonework in Oxford, UK. Journal of Applied Geophysics, 2010, 70, 72-83.	0.9	60
30	The roles of salt (sodium nitrate) and fog in weathering: a laboratory simulation of conditions in the northern Atacama Desert, Chile. Catena, 2002, 48, 255-266.	2.2	58
31	Technology and geomorphology: Are improvements in data collection techniques transforming geomorphic science?. Geomorphology, 2016, 270, 121-133.	1.1	57
32	A review of the nature, role and control of lithobionts on stone cultural heritage: weighing-up and managing biodeterioration and bioprotection. World Journal of Microbiology and Biotechnology, 2020, 36, 100.	1.7	57
33	Monitoring of rapid salt weathering in the central Namib Desert using limestone blocks. Journal of Arid Environments, 1997, 37, 581-598.	1.2	55
34	How wet are these walls? Testing aÂnovel technique forÂmeasuring moisture inÂruined walls. Journal of Cultural Heritage, 2006, 7, 257-263.	1.5	55
35	Rapid salt weathering in the coastal Namib desert: Implications for landscape development. Geomorphology, 2007, 85, 49-62.	1.1	55
36	Linking weathering and rock slope instability: nonâ€linear perspectives. Earth Surface Processes and Landforms, 2013, 38, 62-70.	1.2	55

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37	Beach cement: incipient CaCO 3 -cemented beachrock development in the upper intertidal zone, North Uist, Scotland. Sedimentary Geology, 2000, 132, 165-170.	1.0	54
38	Simulating weathering of basalt on Mars and Earth by thermal cycling. Geophysical Research Letters, 2010, 37, .	1.5	54
39	A commentary on climate change, stone decay dynamics and the â€˜greeningâ€™ of natural stone buildings: new perspectives on â€˜deep wettingâ€™. Environmental Earth Sciences, 2011, 63, 1691-1700.	1.3	54
40	A new technique for evaluating short-term rates of coastal bioerosion and bioprotection. Geomorphology, 2002, 47, 31-44.	1.1	52
41	Lichen hotspots: raised rock temperatures beneath Verrucaria nigrescens on limestone. Geomorphology, 2004, 62, 1-16.	1.1	52
42	The nature and rate of weathering by lichens on lava flows on Lanzarote. Geomorphology, 2002, 47, 87-94.	1.1	51
43	Near-surface temperature cycling of stone and its implications for scales of surface deterioration. Geomorphology, 2011, 130, 76-82.	1.1	51
44	The characterisation of eukaryotic microbial communities onÂsandstone buildings in Belfast, UK, using TRFLP and 454 pyrosequencing. International Biodeterioration and Biodegradation, 2013, 82, 124-133.	1.9	51
45	Revisiting and reanalysing the concept of bioreceptivity 25Âyears on. Science of the Total Environment, 2021, 770, 145314.	3.9	50
46	The nature and pattern of debris liberation by salt weathering: A laboratory study. Earth Surface Processes and Landforms, 1995, 20, 437-449.	1.2	49
47	Biogeomorphology: Past, present and future. Geomorphology, 2020, 366, 106809.	1.1	49
48	Blue-green algae and terrestrial limestone weathering on Aldabra Atoll: An S.E.M. and light microscope study. Earth Surface Processes and Landforms, 1987, 12, 319-330.	1.2	48
49	Twenty-year weathering remeasurements at St Paul's Cathedral, London. Earth Surface Processes and Landforms, 2001, 26, 1129-1142.	1.2	48
50	Cool barnacles: Do common biogenic structures enhance or retard rates of deterioration of intertidal rocks and concrete?. Science of the Total Environment, 2017, 580, 1034-1045.	3.9	48
51	The role of playas in pedogenic gypsum crust formation in the Central Namib Desert: a theoretical model. Earth Surface Processes and Landforms, 2001, 26, 1177-1193.	1.2	46
52	Wind-driven rain and future risk to built heritage in the United Kingdom: Novel metrics for characterising rain spells. Science of the Total Environment, 2018, 640-641, 1098-1111.	3.9	46
53	Low impact surface hardness testing (Equotip) on porous surfaces â€“ advances in methodology with implications for rock weathering and stone deterioration research. Earth Surface Processes and Landforms, 2016, 41, 1027-1038.	1.2	44
54	Remeasurement of weathering rates, St. Paul's Cathedral, London. Earth Surface Processes and Landforms, 1989, 14, 175-196.	1.2	43

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55	Understanding Dryland Landscape Dynamics: Do Biological Crusts Hold the Key?. Geography Compass, 2008, 2, 899-919.	1.5	43
56	The use of GIS-based digital morphometric techniques in the study of cockpit karst. Earth Surface Processes and Landforms, 2007, 32, 165-179.	1.2	42
57	The effect of wood ash on the properties and durability of lime mortar for repointing damp historic buildings. Construction and Building Materials, 2019, 212, 500-513.	3.2	42
58	Simulation of the dissolution of weathered versus unweathered limestone in carbonic acid solutions of varying strength. Earth Surface Processes and Landforms, 2007, 32, 841-852.	1.2	41
59	Late Quaternary palaeohydrological changes in the northern Namib Sand Sea: New chronologies using OSL dating of interdigitated aeolian and water-lain interdune deposits. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 288, 35-53.	1.0	40
60	Integrated digital photography and image processing for the quantification of colouration on soiled limestone surfaces in Oxford, England. Journal of Cultural Heritage, 2004, 5, 285-290.	1.5	39
61	Lichen-dominated soil crusts as arthropod habitat in warm deserts. Journal of Arid Environments, 2006, 67, 579-593.	1.2	39
62	Moisture dynamics in walls: response to micro-environment and climate change. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 194-211.	1.0	39
63	Implications of future climate change for stone deterioration. Geological Society Special Publication, 2002, 205, 407-418.	0.8	37
64	Terricolous lichens in the northern Namib Desert of Namibia: distribution and community composition. Lichenologist, 2005, 37, 77-91.	0.5	37
65	Innovative applications of laser scanning and rapid prototype printing to rock breakdown experiments. Earth Surface Processes and Landforms, 2008, 33, 1614-1621.	1.2	37
66	A chemical, morphological and mineralogical study on the interaction between hemp hurds and aerial and natural hydraulic lime particles: Implications for mortar manufacturing. Construction and Building Materials, 2015, 75, 375-384.	3.2	37
67	Experimental production of weathering nanomorphologies on carbonate stone. Quarterly Journal of Engineering Geology and Hydrogeology, 1998, 31, 347-357.	0.8	36
68	Channel Flow Cell Studies of the Inhibiting Action of Gypsum on the Dissolution Kinetics of Calcite: A Laboratory Approach with Implications for Field Monitoring. Journal of Colloid and Interface Science, 2001, 236, 354-361.	5.0	36
69	A laboratory study of Equotip surface hardness measurements on a range of sandstones: What influences the values and what do they mean?. Earth Surface Processes and Landforms, 2019, 44, 1419-1429.	1.2	36
70	Quantitative morphologic analysis of boulder shape and surface texture to infer environmental history: A case study of rock breakdown at the Ephrata Fan, Channeled Scabland, Washington. Journal of Geophysical Research, 2008, 113, .	3.3	35
71	A multiâ€method investigation of temperature, moisture and salt dynamics in tafoni (Tafraoute,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	32
72	Using Handheld Moisture Meters on Limestone: Factors Affecting Performance and Guidelines for Best Practice. International Journal of Architectural Heritage, 2013, 7, 207-224.	1.7	31

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73	Rockâ€protecting seaweed? Experimental evidence of bioprotection in the intertidal zone. Earth Surface Processes and Landforms, 2015, 40, 1364-1370.	1.2	31
74	Soiling and decay of N.M.E.P. limestone tablets. Science of the Total Environment, 2002, 292, 215-229.	3.9	29
75	Building Stone Condition Monitoring Using Specially Designed Compensated Optical Fiber Humidity Sensors. IEEE Sensors Journal, 2012, 12, 1011-1017.	2.4	29
76	Modelling the impact of changing atmospheric pollution levels on limestone erosion rates in central London, 1980â€“2010. Atmospheric Environment, 2012, 61, 476-481.	1.9	28
77	Weathering in the central Namib Desert, Namibia: Controls, processes and implications. Journal of Arid Environments, 2013, 93, 20-29.	1.2	28
78	The spatial organization and microbial community structure of an epilithic biofilm. FEMS Microbiology Ecology, 2015, 91, .	1.3	28
79	Moisture monitoring of stone masonry: A comparison of microwave and radar on a granite wall and a sandstone tower. Journal of Cultural Heritage, 2020, 41, 61-73.	1.5	28
80	Is Ivy Good or Bad for Historic Walls?. Journal of Architectural Conservation, 2011, 17, 25-41.	0.1	27
81	The importance of wind as a driver of earthen heritage deterioration in dryland environments. Geomorphology, 2020, 369, 107363.	1.1	27
82	A quantitative scanning electron microscope study of evidence for lichen weathering of limestone, Mendip Hills, Somerset. Earth Surface Processes and Landforms, 1987, 12, 467-473.	1.2	25
83	A temperate reef builder: an evaluation of the growth, morphology and composition of Sabellaria alveolata (L.) colonies on carbonate platforms in South Wales. Geological Society Special Publication, 2000, 178, 9-19.	0.8	25
84	Sandstone geomorphology of the Golden Gate Highlands National Park, South Africa, in a global context. Koedoe, 2011, 53, .	0.3	25
85	Integrating nature-based solutions and the conservation of urban built heritage: Challenges, opportunities, and prospects. Urban Forestry and Urban Greening, 2021, 63, 127192.	2.3	25
86	Reconnaissance studies of the tufa deposits of the Napier Range, N.W. Australia. Earth Surface Processes and Landforms, 1990, 15, 425-443.	1.2	24
87	The Effect of Surface Pretreatment with Polymaleic Acid, Phosphoric Acid, or Oxalic Acid on the Dissolution Kinetics of Calcium Carbonate in Aqueous Acid. Journal of Colloid and Interface Science, 2001, 242, 378-385.	5.0	24
88	Changing patterns of soiling and microbial growth on building stone in Oxford, England after implementation of a major traffic scheme. Science of the Total Environment, 2006, 367, 203-211.	3.9	24
89	Population-level zoogeomorphology: the case of the Eurasian badger (Meles meles L.). Physical Geography, 2015, 36, 215-238.	0.6	24
90	Field and laboratory approaches to limestone weathering. Quarterly Journal of Engineering Geology and Hydrogeology, 1998, 31, 333-341.	0.8	23

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91	The influence of multiâ€scale environmental variables on the distribution of terricolous lichens in a fog desert. Journal of Vegetation Science, 2006, 17, 831-838.	1.1	23
92	Visualizing geomorphology: improving communication of data and concepts through engagement with the arts. Earth Surface Processes and Landforms, 2016, 41, 1793-1796.	1.2	23
93	'Unswept stone, besmeer'd by sluttish time': Air Pollution and Building Stone Decay in Oxford, 1790 - 1960. Environment and History, 1996, 2, 359-372.	0.1	22
94	Communicating geomorphology: global challenges for the twenty-first century. Earth Surface Processes and Landforms, 2014, 39, 476-486.	1.2	22
95	Ants as geomorphological agents: A global assessment. Earth-Science Reviews, 2021, 213, 103469.	4.0	22
96	Durability of anti-graffiti coatings on stone: natural vs accelerated weathering. PLoS ONE, 2017, 12, e0172347.	1.1	22
97	Laboratory simulation of salt weathering under moderate ageing conditions: Implications for the deterioration of sandstone heritage in temperate climates. Earth Surface Processes and Landforms, 2021, 46, 1055-1066.	1.2	21
98	Exploring the influence of biofilm on shortâ€term expansion and contraction of supratidal rock: an example from the Mediterranean. Earth Surface Processes and Landforms, 2014, 39, 1404-1412.	1.2	20
99	A comparison of standard and realistic curing conditions of natural hydraulic lime repointing mortar for damp masonry: Impact on laboratory evaluation. Journal of Cultural Heritage, 2019, 37, 82-93.	1.5	20
100	Self-organized or disorganized? Towards a general explanation of cavernous weathering. Earth Surface Processes and Landforms, 2005, 30, 1471-1473.	1.2	19
101	Can ²³⁴Uâ€“²³⁰Th dating be used to date large semiâ€arid tufas? Challenges from a study in the Naukluft Mountains, Namibia. Journal of Quaternary Science, 2010, 25, 1360-1372.	1.1	19
102	Durability and conservation of stone: coping with complexity. Quarterly Journal of Engineering Geology and Hydrogeology, 2013, 46, 367-375.	0.8	19
103	Predicting the long-term durability of hempâ€“lime renders in inland and coastal areas using Mediterranean, Tropical and Semi-arid climatic simulations. Science of the Total Environment, 2016, 542, 757-770.	3.9	19
104	Thermal blanketing by ivy (Hedera helix L.) can protect building stone from damaging frosts. Scientific Reports, 2018, 8, 9834.	1.6	19
105	Characterisation of building exposure to wind-driven rain in the UK and evaluation of current standards. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 180, 88-97.	1.7	19
106	Do vehicle track disturbances affect the productivity of soil-growing lichens in a fog desert?. Functional Ecology, 2006, 20, 548-556.	1.7	18
107	The Influence of the Type of Lime on the Hygric Behaviour and Bio-Receptivity of Hemp Lime Composites Used for Rendering Applications in Sustainable New Construction and Repair Works. PLoS ONE, 2015, 10, e0125520.	1.1	18
108	Photo-based decay mapping of replaced stone blocks on the boundary wall of Worcester College, Oxford. Geological Society Special Publication, 2007, 271, 69-75.	0.8	17

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109	Ozymandias in the Anthropocene: The city as an emerging landform. Area, 2018, 50, 117-125.	1.0	17
110	Stone-built heritage as a proxy archive for long-term historical air quality: A study of weathering crusts on three generations of stone sculptures on Broad Street, Oxford. Science of the Total Environment, 2021, 759, 143916.	3.9	17
111	Modelling the risk of deterioration at earthen heritage sites in drylands. Earth Surface Processes and Landforms, 2020, 45, 2401-2416.	1.2	16
112	Observations on 16 years of microfloral recolonization data from limestone surfaces, Aldabra Atoll, Indian Ocean: implications for biological weathering. Earth Surface Processes and Landforms, 2000, 25, 1355-1370.	1.2	15
113	Two-dimensional resistivity surveys of the moisture content of historic limestone walls in Oxford, UK: implications for understanding catastrophic stone deterioration. Geological Society Special Publication, 2010, 331, 237-249.	0.8	15
114	Can plants keep ruins dry? A quantitative assessment of the effect of soft capping on rainwater flows over ruined walls. Ecological Engineering, 2014, 71, 173-179.	1.6	15
115	Photographic monitoring of soiling and decay of roadside walls in central Oxford, England. Environmental Geology, 2008, 56, 777-787.	1.2	14
116	Comparing the effectiveness of hyperspectral imaging and Raman spectroscopy: a case study on Armenian manuscripts. Heritage Science, 2018, 6, 42.	1.0	14
117	The Search for a Signature of Life on Mars: A Biogeomorphological Approach. Astrobiology, 2019, 19, 1279-1291.	1.5	14
118	The distribution and nature of star dunes: A global analysis. Aeolian Research, 2021, 50, 100685.	1.1	14
119	The influence of structural organization of epilithic and endolithic lichens on limestone weathering. Earth Surface Processes and Landforms, 2017, 42, 1666-1679.	1.2	13
120	Linking rock weathering, rockwall instability and rockfall supply on talus slopes in glaciated hanging valleys (Swiss Alps). Permafrost and Periglacial Processes, 2018, 29, 135-151.	1.5	13
121	Channel flow cell studies on the evaluation of surface pretreatments using phosphoric acid or polymaleic acid for calcite stone protection. Journal of Colloid and Interface Science, 2003, 259, 338-345.	5.0	12
122	Conceptual modeling of the impacts of climate change on karst geomorphology in the UK and Ireland. Journal for Nature Conservation, 2003, 11, 59-66.	0.8	12
123	Oxford stone revisited: causes and consequences of diversity in building limestone used in the historic centre of Oxford, England. Geological Society Special Publication, 2010, 333, 101-110.	0.8	12
124	Underlying issues on the selection, use and conservation of building limestone. Geological Society Special Publication, 2010, 331, 1-11.	0.8	12
125	Non-destructive sampling of rock-dwelling microbial communities using sterile adhesive tape. Journal of Microbiological Methods, 2012, 91, 391-398.	0.7	12
126	Beyond geomorphosites: trade-offs, optimization, and networking in heritage landscapes. Environment Systems and Decisions, 2013, 33, 272-285.	1.9	12

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127	Drying response of lime-mortar joints in granite masonry after an intense rainfall and after repointing. Heritage Science, 2019, 7, .	1.0	12
128	Impact of colour on the bioreceptivity of granite to the green alga Apatococcus lobatus: Laboratory and field testing. Science of the Total Environment, 2020, 745, 141179.	3.9	12
129	Deterioration risk of dryland earthen heritage sites facing future climatic uncertainty. Scientific Reports, 2020, 10, 16419.	1.6	12
130	Pastoral Stone Enclosures as Biological Cultural Heritage: Galician and Cornish Examples of Community Conservation. Land, 2020, 9, 9.	1.2	12
131	Evaluating the Condition of Sandstone Rock-Hewn Cave-Temple FaÃ§ade Using In Situ Non-invasive Techniques. Rock Mechanics and Rock Engineering, 2020, 53, 2915-2920.	2.6	12
132	Finding Common Ground between United Kingdom Based and Chinese Approaches to Earthen Heritage Conservation. Sustainability, 2018, 10, 3086.	1.6	11
133	Evaluating the Effects of Open Shelters on Limestone Deterioration at Archaeological Sites in Different Climatic Locations. International Journal of Architectural Heritage, 2017, 11, 816-828.	1.7	10
134	Equality, diversity, inclusion: ensuring a resilient future for geomorphology. Earth Surface Processes and Landforms, 2021, 46, 5-11.	1.2	10
135	The travertine dams of Slade Brook, Gloucestershire: their formation and conservation. Geology Today, 2000, 16, 22-25.	0.3	9
136	Can stone decay be chaotic?. , 2005, , .		9
137	Stress histories control rock-breakdown trajectories in arid environments. Geology, 2018, 46, 419-422.	2.0	9
138	An â€˜isolated diffusionâ€™ gravimetric calibration procedure for radar and microwave moisture measurement in porous building stone. Journal of Applied Geophysics, 2019, 163, 1-12.	0.9	9
139	Weathering, Geomorphology and Climatic Variability in the Central Namib Desert. Advances in Global Change Research, 2000, , 65-82.	1.6	9
140	Moisture content and material density affects severity of frost damage in earthen heritage. Science of the Total Environment, 2022, 819, 153047.	3.9	9
141	Influence of ion exchange processes on salt transport and distribution in historic sandstone buildings. Applied Geochemistry, 2014, 48, 176-183.	1.4	8
142	The Influence of Salt on Handheld Electrical Moisture Meters: Can They Be Used to Detect Salt Problems in Porous Stone?. International Journal of Architectural Heritage, 2016, 10, 735-748.	1.7	8
143	Biogeomorphology. Geological Society Memoir, 0, , M58-2022-6.	0.9	8
144	Heritage hydrology: a conceptual framework for understanding water fluxes and storage in built and rock-hewn heritage. Heritage Science, 2022, 10, .	1.0	8

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145	Polymer coatings to passivate calcite from acid attack: polyacrylic acid and polyacrylonitrile. Journal of Colloid and Interface Science, 2003, 260, 204-210.	5.0	7
146	Green walls?: integrated laboratory and field testing of the effectiveness of soft wall capping in conserving ruins. Geological Society Special Publication, 2007, 271, 309-322.	0.8	7
147	Valley floor aeolianite in an equatorial pit crater on Mars. Geophysical Research Letters, 2016, 43, 12,356.	1.5	7
148	Editorial: Perspectives on the contemporary art-geoscience interface. Journal of Maps, 2019, 15, 1-8.	1.0	7
149	A Multi Proxy Investigation of Moisture, Salt, and Weathering Dynamics on a Historic Urban Boundary Wall in Oxford, UK. Studies in Conservation, 2020, 65, 172-188.	0.6	7
150	Biogeomorphology. , 2011, , 246-259.		7
151	Modelling cockpit karst landforms. Geological Society Special Publication, 2008, 296, 47-62.	0.8	6
152	An Assessment of the Role of an Open Shelter in Reducing Soiling and Microbial Growth on the Archaeological Site of the Bishopâ€™s Palace, Witney, England. Conservation and Management of Archaeological Sites, 2018, 20, 2-17.	0.9	6
153	Dome dunes: Distribution and morphology. Aeolian Research, 2021, 51, 100713.	1.1	6
154	The global transformation of geomorphology. Geological Society Memoir, 2022, 58, 1-17.	0.9	6
155	Weathering hazards. , 2010, , 145-160.		5
156	Naming conventions in geomorphology: contributions and controversies in the sandstone landscape of Zhangjiajie Geopark, China. Earth Surface Processes and Landforms, 2011, 36, 1981-1984.	1.2	5
157	Assessing the Long-term Success of Reigate Stone Conservation at Hampton Court Palace and the Tower of London. Studies in Conservation, 2020, 65, P225-P232.	0.6	5
158	Moisture Interactions Between Mosses and Their Underlying Stone Substrates. Studies in Conservation, 2022, 67, 532-544.	0.6	5
159	The bioprotective properties of the blue mussel (Mytilus edulis) on intertidal rocky shore platforms. Marine Geology, 2022, 445, 106734.	0.9	5
160	Do environmental conditions determine whether salt driven decay leads to powdering or flaking in historic Reigate Stone masonry at the Tower of London?. Engineering Geology, 2022, 303, 106641.	2.9	5
161	Managing Marine Growth on Historic Maritime Structures: An Assessment of Perceptions and Current Management Practices. Frontiers in Marine Science, 0, 9, .	1.2	4
162	A simulation study of capillary transport, preferential retention and distribution of salts in historic sandstone buildings. Environmental Earth Sciences, 2017, 76, 1.	1.3	3

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163	In Situ, Non-Destructive Testing for Evaluating the Role of Pointing Mortar in Preventive Conservation Strategies. A Case-Study on Reigate Stone at the Wardrobe Tower, Tower of London. Minerals (Basel, Switzerland), 2021, 11, 345.	0.8	3
164	Determining Water Transport Kinetics in Limestone by Dual-Wavelength Cavity Ring-Down Spectroscopy. Analytical Chemistry, 2022, 94, 3126-3134.	3.2	3
165	Lichen impact on sandstone hardness is speciesâ€specific. Earth Surface Processes and Landforms, 2022, 47, 1147-1156.	1.2	3
166	Weathering processes and forms. Geological Society Memoir, 2022, 58, 173-189.	0.9	3
167	A New Technique to Evaluate and Quantify Modified Solution Kinetics of Calcareous Materials after Sulphuric Acid Pre-Treatment and Urban Exposure. Studies in Conservation, 2002, 47, 88.	0.6	2
168	A New Technique to Evaluate and Quantify Modified Solution Kinetics of Calcareous Materials After Sulphuric Acid Pre-Treatment and Urban Exposure. Studies in Conservation, 2002, 47, 88-94.	0.6	2
169	Optical fibre humidity sensor design for building stone condition monitoring. , 2010, , .		2
170	Catastrophic Limestone Decay at the Central Sanctuary of Iupiter Dolichenus at DÃ¼lÃ¼k Baba Tepesi in Southern Turkey: Causes and Implications for Future Conservation. Conservation and Management of Archaeological Sites, 2017, 19, 3-29.	0.9	2
171	Integrated Strategy to Assess Conservation Treatments on Sandstone. Studies in Conservation, 2020, 65, P119-P123.	0.6	2
172	Weathering on the Namib Plains: Marble and Granite. World Geomorphological Landscapes, 2015, , 91-96.	0.1	2
173	The many faces of Reigate Stone: an assessment of variability in historic masonry based on Medieval Londonâ€™s principal freestone. Heritage Science, 2020, 8, .	1.0	2
174	Does Area keep you awake at night?. Area, 2004, 36, 337-337.	1.0	1
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