

Jana Schweigstillová

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

380
citations

759233

12
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

357
citing authors

#	ARTICLE	IF	CITATIONS
1	Sandstone landforms shaped by negative feedback between stress and erosion. <i>Nature Geoscience</i> , 2014, 7, 597-601.	12.9	77
2	Processes Affecting Oxygen Isotope Ratios of Atmospheric and Ecosystem Sulfate in Two Contrasting Forest Catchments in Central Europe. <i>Environmental Science & Technology</i> , 2007, 41, 703-709.	10.0	39
3	Fast evolving conduits in clay-bonded sandstone: Characterization, erosion processes and significance for the origin of sandstone landforms. <i>Geomorphology</i> , 2012, 177-178, 178-193.	2.6	34
4	Biologically-initiated rock crust on sandstone: Mechanical and hydraulic properties and resistance to erosion. <i>Geomorphology</i> , 2017, 278, 298-313.	2.6	32
5	Isotopic composition of salt efflorescence from the sandstone castellated rocks of the Bohemian Cretaceous Basin (Czech Republic). <i>Environmental Geology</i> , 2009, 58, 217-225.	1.2	25
6	Changes in structure and in mechanical properties during the pyrolysis conversion of crosslinked polymethylsiloxane and polymethylphenylsiloxane resins to silicon oxycarbide glass. <i>Ceramics International</i> , 2015, 41, 6237-6247.	4.8	25
7	Optimization of sol-gel/pyrolysis routes to silicon oxycarbide glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2771-2782.	3.1	24
8	Mechanical properties of partially pyrolysed composites with plain weave basalt fibre reinforcement. <i>Ceramics International</i> , 2014, 40, 7507-7521.	4.8	19
9	Gravity-induced stress as a factor reducing decay of sandstone monuments in Petra, Jordan. <i>Journal of Cultural Heritage</i> , 2016, 19, 415-425.	3.3	18
10	Quantitative study of a rapidly weathering overhang developed in an artificially wetted sandstone cliff. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 711-723.	2.5	18
11	Preparation of finely macroporous SiOC foams with high mechanical properties and with hierarchical porosity via pyrolysis of a siloxane/epoxide composite. <i>Ceramics International</i> , 2015, 41, 8402-8410.	4.8	17
12	Measurements and calculations of seasonal evaporation rate from bare sandstone surfaces: Implications for rock weathering. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 2965-2981.	2.5	16
13	Factors controlling evolution of karst conduits in sandy limestone and calcareous sandstone (Turnov area, Czech Republic). <i>Journal of Hydrology</i> , 2019, 574, 1062-1073.	5.4	13
14	Si O C ceramic foams derived from polymethylphenylsiloxane precursor with starch as foaming agent. <i>Journal of the European Ceramic Society</i> , 2015, 35, 3427-3436.	5.7	11
15	Hydrogeology of the deepest underwater cave in the world: Hranice Abyss, Czechia. <i>Hydrogeology Journal</i> , 2019, 27, 2325-2345.	2.1	7
16	Rheological behaviour and thermal dilation effects of alumino-silicate adhesives intended for joining of high-temperature resistant sandwich structures. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2209-2218.	5.7	4
17	In-situ measurement of mechanical properties and dimensional changes of preceramic thermosets during their pyrolysis conversion to ceramics using thermomechanical analysis. <i>Ceramics International</i> , 2021, 47, 23285-23294.	4.8	1
18	Rock fabric and origin of the expandable phyllosilicates in the sands of the Ashdown Formation, East Sussex, UK. <i>Applied Clay Science</i> , 2018, 166, 185-199.	5.2	0

#	ARTICLE	IF	CITATIONS
19	Impact of biocolonization on erosion and resistance of different types of sandstone surfaces in a quarry and in natural outcrops. Geoscience Research Reports, 0, , .	0.0	0
20	POTENTIAL OF GLASS, BASALT OR CARBON FIBRES FOR REINFORCEMENT OF PARTIALLY PYROLYSED COMPOSITES WITH IMPROVED TEMPERATURE AND FIRE RESISTANCE. Ceramics - Silikaty, 2019, , 115-124.	0.3	0
21	Effect of Pyrolysis Temperature on the Behaviour of Environmentally Friendly Hybrid Basalt Fibre Reinforced Composites. Applied Composite Materials, 0, , 1.	2.5	0