

Cagla Meral-Akgul

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,438
citations

516710

16
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties, durability, and life-cycle assessment of self-consolidating concrete mixtures made with blended portland cements containing fly ash and limestone powder. <i>Cement and Concrete Composites</i> , 2015, 56, 59-72.	10.7	324
2	High-volume natural volcanic pozzolan and limestone powder as partial replacements for portland cement in self-compacting and sustainable concrete. <i>Cement and Concrete Composites</i> , 2014, 45, 136-147.	10.7	214
3	Unlocking the secrets of Al-tobermorite in Roman seawater concrete. <i>American Mineralogist</i> , 2013, 98, 1669-1687.	1.9	133
4	Use of perlite as a pozzolanic addition in producing blended cements. <i>Cement and Concrete Composites</i> , 2007, 29, 13-21.	10.7	115
5	Material and Elastic Properties of Al-Tobermorite in Ancient Roman Seawater Concrete. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2598-2606.	3.8	106
6	A comparative study of self-consolidating concretes incorporating high-volume natural pozzolan or high-volume fly ash. <i>Construction and Building Materials</i> , 2014, 67, 14-19.	7.2	102
7	The study of disorder and nanocrystallinity in Al ₂ SiO ₅ , supplementary cementitious materials and geopolymers using pair distribution function analysis. <i>Cement and Concrete Research</i> , 2011, 41, 696-710.	11.0	99
8	In situ 3D monitoring of corrosion on carbon steel and ferritic stainless steel embedded in cement paste. <i>Corrosion Science</i> , 2014, 83, 409-418.	6.6	67
9	Impact of climate change on the existing residential building stock in Turkey: An analysis on energy use, greenhouse gas emissions and occupant comfort. <i>Renewable Energy</i> , 2019, 141, 828-846.	8.9	59
10	Characterization of morphology and hydration products of high-volume fly ash paste by monochromatic scanning x-ray micro-diffraction (1/4-SXRD). <i>Cement and Concrete Research</i> , 2014, 59, 155-164.	11.0	51
11	Spatial distribution of crystalline corrosion products formed during corrosion of stainless steel in concrete. <i>Cement and Concrete Research</i> , 2015, 71, 93-105.	11.0	28
12	Educational building retrofit under climate change and urban heat island effect. <i>Journal of Building Engineering</i> , 2021, 40, 102294.	3.4	27
13	Determination of the elastic properties of amorphous materials: Case study of alkali-silica reaction gel. <i>Cement and Concrete Research</i> , 2013, 54, 55-60.	11.0	24
14	Multiscale characterization of chemical-mechanical interactions between polymer fibers and cementitious matrix. <i>Cement and Concrete Composites</i> , 2014, 48, 9-18.	10.7	23
15	Ordering of water in opals with different microstructures. <i>European Journal of Mineralogy</i> , 2015, 27, 203-213.	1.3	22
16	Data-driven, long-term prediction of building performance under climate change: Building energy demand and BIPV energy generation analysis across Turkey. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112396.	16.4	16
17	Safety assessment of limestone-based engineering structures to be partially flooded by dam water: A case study from northeastern Turkey. <i>Engineering Geology</i> , 2016, 209, 44-55.	6.3	8
18	Kabuk yalıtım binaların enerji ihtiyacı, maliyeti ve karbon ayak izine etkisinin değerlendirilmesi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2019, 35, 147-164.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Approaching Net-Zero Energy Building Through Utilization of Building-Integrated Photovoltaics for Three Cities in Turkey-Preliminary Calculations. , 2018, , .		4
20	Investigation of the effect of outdoor temperature data on the building heating energy requirement and validity of the TS 825 degree-day region clustering. Pamukkale University Journal of Engineering Sciences, 2020, 26, 1062-1075.	0.4	3
21	RCP4.5 ve RCP8.5 iklim senaryolarına göre konutlarda iklim deęiřiklięi etki deęerlendirmesi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2020, 35, 1665-1684.	0.8	3
22	Experimental and theoretical study on elastic properties of crystalline alkali silicate hydrate. Materials and Design, 2020, 185, 108240.	7.0	1
23	Characterization of Microstructural Variations in Alkali-Activated Coal Fly Ashes Depending on Their Intrinsic Properties. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	1