

Saroj Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

518
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural performance of nano-silica modified fly-ash based geopolymer concrete. <i>Construction and Building Materials</i> , 2017, 135, 430-439.	7.2	166
2	Genetically-enriched microbe-facilitated self-healing concrete – a sustainable material for a new generation of construction technology. <i>RSC Advances</i> , 2015, 5, 105363-105371.	3.6	49
3	Anti-microbial efficiency of nano silver-silica modified geopolymer mortar for eco-friendly green construction technology. <i>RSC Advances</i> , 2015, 5, 64037-64045.	3.6	46
4	Bioremediase a unique protein from a novel bacterium BKH1, ushering a new hope in concrete technology. <i>Enzyme and Microbial Technology</i> , 2010, 46, 581-587.	3.2	42
5	Development of an improved E. coli bacterial strain for green and sustainable concrete technology. <i>RSC Advances</i> , 2015, 5, 32175-32182.	3.6	38
6	Strength and Durability Performance of Fly Ash-Based Process-Modified Geopolymer Concrete. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	38
7	Iron Oxide NPs Facilitated a Smart Building Composite for Heavy-Metal Removal and Dye Degradation. <i>ACS Omega</i> , 2018, 3, 1081-1089.	3.5	35
8	Autonomous bioremediation of a microbial protein (bioremediase) in Pozzolana cementitious composite. <i>Journal of Materials Science</i> , 2014, 49, 4461-4468.	3.7	30
9	Use of Bacterial Protein Powder in Commercial Fly Ash Pozzolana Cements for High Performance Construction Materials. <i>Open Journal of Civil Engineering</i> , 2012, 02, 218-228.	0.5	26
10	Site specific seismic hazard analysis and determination of response spectra of Kolkata for maximum considered earthquake. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 466-477.	1.4	14
11	Bacterium-incorporated fly ash geopolymer: a high-performance, thermo-stable cement alternative for future construction material. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1779-1789.	4.1	14
12	Seismic microzonation of Kolkata. <i>Geomechanics and Engineering</i> , 2015, 9, 125-144.	0.9	10
13	Local Site Effect Due to Past Earthquakes in Kolkata. <i>Journal of the Geological Society of India</i> , 2018, 91, 400-410.	1.1	5
14	Bacterium amended 100% fly ash geopolymer. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
15	Use of Hot Spring Bacteria for Remediation of Cracks in Concrete. <i>Sustainable Civil Infrastructures</i> , 2020, , 59-64.	0.2	1
16	Performance of a RC Building using Site Specific Ground Motion Parameter of Salt Lake Sector-V Region, Kolkata, India. <i>Journal of the Institution of Engineers (India): Series A</i> , 2015, 96, 27-35.	1.2	0