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A study on mechanical properties of concrete including activated recycled plastic waste M Ashok, P Jayabalan, V Saraswathy, S Muralidharan Advances in concrete construction 9 (2), 207-215	1	2020
Corrosion performance of mild steel and galvanized iron in clay soil environment S Karthick, S Muralidharan, V Saraswathy Arabian Journal of Chemistry 13 (1), 3301-3318	6	2020
Studies on the development of activated binary clay and corrosion monitoring using embedded sensor HS Lee, SJ Kwon, S Karthick, V Saraswathy, S Muralidharan Arabian Journal of Chemistry 13 (1), 595-605	2	2020
Electrochemical Cathodic Treatment of Mild Steel as a Host for Ni(OH)₂ Catalyst for Oxygen Evolution Reaction in Alkaline Media V Maruthapandian, A Muthurasu, A Dekshinamoorthi, R Aswathy, ... ChemElectroChem 6 (17), 4391-4401	3	2019
Reliability and long-term evaluation of GO-MnO₂ nano material as a newer corrosion monitoring sensor for reinforced concrete structures S Karthick, S Muralidharan, HS Lee, SJ Kwon, V Saraswathy Cement and Concrete Composites 100, 74-84	8	2019
Graphite Ore Tailings as Partial Replacement of Sand in Concrete B Li, H Liu, J Xue, Z Wang, W Shen ACI Materials Journal 116 (2), 133-135		2019
Development of water-repellent cement mortar using silane enriched with nanomaterials S Karthick, DJ Park, YS Lee, V Saraswathy, HS Lee, HO Jang, HJ Choi Progress in Organic Coatings 125, 48-60	19	2018
Microstructure characteristics of fly ash concrete with rice husk ash and lime stone powder SH Jung, V Saraswathy, S Karthick, P Kathirvel, SJ Kwon International Journal of Concrete Structures and Materials 12 (1), 1-9	20	2018
An insight on the electrocatalytic mechanistic study of pristine Ni MOF (BTC) in alkaline medium for enhanced OER and UOR V Maruthapandian, S Kumaraguru, S Mohan, V Saraswathy, ... ChemElectroChem 5 (19), 2795-2807	31	2018

TITLE	CITED BY	YEAR
Durability characteristics of Ultra High Strength Concrete with treated sugarcane bagasse ash A Rajasekar, K Arunachalam, M Kottaisamy, V Saraswathy Construction and Building Materials 171, 350-356	32	2018
Graphite ore tailings as partial replacement of sand in concrete P Kathirvel, SJ Kwon, HS Lee, S Karthick, V Saraswathy ACI Materials Journal 115 (3), 481-492	6	2018
Corrosion inhibitors for reinforced concrete: A review HS Lee, V Saraswathy, SJ Kwon, S Karthick Corrosion inhibitors, principles and recent applications, 95	8	2018
Durability performance of CNT and nanosilica admixed cement mortar HS Lee, B Balasubramanian, GVT Gopalakrishna, SJ Kwon, SP Karthick, ... Construction and Building Materials 159, 463-472	14	2018
Extraction of chloride from chloride contaminated concrete through electrochemical method using different anodes V Saraswathy, HS Lee, S Karthick, SJ Kwon Construction and Building Materials 158, 549-562	14	2018
Stress Corrosion Behavior of Ungrouted Pretensioned Concrete Beams V Saraswathy, HS Lee, S Karthick, SJ Kwon Advances in Materials Science and Engineering 2018	1	2018
A Comparative Study on Clay and Red Soil Based Geopolymer Mortar MN Uddin, V Saraswathy Civ. Eng. Archit 6 (1), 34-39	4	2018
A novel in-situ corrosion monitoring electrode for reinforced concrete structures K Subbiah, S Velu, SJ Kwon, HS Lee, N Rethinam, DJ Park Electrochimica Acta 259, 1129-1144	15	2018
Long-term corrosion performance of blended cement concrete in the marine environment–A real-time study SJ Kwon, HS Lee, S Karthick, V Saraswathy, HM Yang Construction and Building Materials 154, 349-360	26	2017
Study of the Oxygen Evolution Reaction Catalytic Behavior of $\text{Co}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ in Alkaline Medium V Maruthapandian, M Mathankumar, V Saraswathy, B Subramanian, ... ACS Applied Materials & Interfaces 9 (15), 13132-13141	57	2017
Journal metrics IY Prosanov, E Benassi, T Long, Q Wang, X Shi, A Ehrmann, ... Advances in Materials Science 2008 (2007)		2017