

Amnon Katz

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,786
citations

516561

16
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of concrete made with recycled aggregate from partially hydrated old concrete. Cement and Concrete Research, 2003, 33, 703-711.	4.6	603
2	Treatments for the Improvement of Recycled Aggregate. Journal of Materials in Civil Engineering, 2004, 16, 597-603.	1.3	380
3	Utilization of industrial by-products for the production of controlled low strength materials (CLSM). Waste Management, 2004, 24, 501-512.	3.7	122
4	A novel methodology to estimate the evolution of construction waste in construction sites. Waste Management, 2011, 31, 353-358.	3.7	114
5	Modeling the effect of high temperature on the bond of FRP reinforcing bars to concrete. Cement and Concrete Composites, 2000, 22, 433-443.	4.6	99
6	Bond between deformed reinforcement and normal and high-strength concrete with and without fibers. Materials and Structures/Materiaux Et Constructions, 2010, 43, 839-856.	1.3	78
7	Strengthening concrete elements by confinement within textile reinforced concrete (TRC) shells – Static and impact properties. Construction and Building Materials, 2013, 44, 514-523.	3.2	48
8	Steel-concrete interface influence on chloride threshold for corrosion – Empirical reinforcement to theory. Construction and Building Materials, 2020, 244, 118376.	3.2	42
9	Bond to Concrete of FRP Rebars after Cyclic Loading. Journal of Composites for Construction, 2000, 4, 137-144.	1.7	40
10	Performance of mortars containing recycled fine aggregate from construction and demolition waste. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	36
11	Effect of matrix composition on the aging of CFRC. Cement and Concrete Composites, 1995, 17, 87-97.	4.6	26
12	Resistance of double-layer reinforced HPC barriers to projectile impact. International Journal of Impact Engineering, 2014, 67, 39-51.	2.4	26
13	Mechanisms and processes leading to changes in time in the properties of CFRC. Advanced Cement Based Materials, 1996, 3, 1-13.	0.3	23
14	Characterization of the interfacial transition zone around steel rebar by means of the mean shift method. Materials and Structures/Materiaux Et Constructions, 2012, 45, 639-652.	1.3	17
15	Statistical relationship between mix properties and the interfacial transition zone around embedded rebar. Cement and Concrete Composites, 2015, 60, 82-91.	4.6	17
16	Textile reinforced concrete (TRC) shells for strengthening and retrofitting of concrete elements: influence of admixtures. Materials and Structures/Materiaux Et Constructions, 2015, 48, 471-484.	1.3	17
17	A novel red grape cells complex: health effects and bioavailability of natural resveratrol. International Journal of Food Sciences and Nutrition, 2014, 65, 848-855.	1.3	15
18	Environmental Impact of Steel and Fiber-Reinforced Polymer Reinforced Pavements. Journal of Composites for Construction, 2004, 8, 481-488.	1.7	14

#	ARTICLE	IF	CITATIONS
19	The combined effect of radiation and carbonation on the immobilization of Sr and Cs ions in cementitious pastes. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008, 41, 1563-1570.	1.3	11
20	Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials. <i>Journal of Materials in Civil Engineering</i> , 1990, 2, 72-83.	1.3	10
21	Effect of Helical Wrapping on Fatigue Resistance of GFRP. <i>Journal of Composites for Construction</i> , 1998, 2, 121-125.	1.7	9
22	Bond over direct support of deformed rebars in normal and high strength concrete with and without fibers. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 265-275.	1.3	9
23	Influence of the Interfacial Transition Zone Properties on Chloride Corrosion in Reinforced Concrete-Characterization of ITZ. <i>Advanced Materials Research</i> , 2010, 95, 69-72.	0.3	6
24	Behavior of High Ductility Cement Composite Beams under Low Impact. <i>International Journal of Protective Structures</i> , 2012, 3, 177-191.	1.4	6
25	Effect of Solution Concentration on the Properties of a Cementitious Grout Wasteform for Low-Level Nuclear Waste. <i>Nuclear Technology</i> , 2000, 129, 236-245.	0.7	5
26	Measuring lateral pressure of concrete: From casting through hardening. <i>Construction and Building Materials</i> , 2012, 34, 211-217.	3.2	3
27	Cesium and Strontium Immobilization in Portland Cement Pastes Blended With Pozzolanic Additives. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2017, 3, .	0.2	3
28	Alkali Activation of Fly Ash in the Presence of Sodium Nitrate. <i>Waste and Biomass Valorization</i> , 2022, 13, 2425-2446.	1.8	3
29	Recycling of partially hydrated concrete. <i>Waste Management Series</i> , 2000, 1, 383-391.	0.0	2
30	Stress Transfer between FRP Laminates and Concrete through Deteriorated Concrete Surfaces. <i>Journal of Composites for Construction</i> , 2007, 11, 410-418.	1.7	2