Konstantin Kovler

List of Publications by Year
in descending order

50	2,746	293460	242451
papers	citations	24 h-index	47 g-index

54	54	54	2172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	M&S highlight: Jensen and Hansen (1995), A dilatometer for measuring autogenous deformation in hardening Portland cement paste. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	1.3	0
2	M&S highlight: Kovler (1994), Testing system for determining the mechanical behaviour of early age concrete under restrained and free uniaxial shrinkage. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	1.3	0
3	Performance of corrosion inhibitors in reinforced concrete elements under electrical voltage. Construction and Building Materials, 2022, 342, 127656.	3.2	8
4	Studying temporal variations of indoor radon as a vital step towards rational and harmonized international regulation. Environmental Challenges, 2021, 4, 100204.	2.0	8
5	Resistance of building foundation to radon penetration. Journal of Building Physics, 2020, 43, 456-473.	1.2	1
6	Acoustic Emission Monitoring of High-Strength Concrete Columns Subjected to Compressive Axial Loading. Materials, 2020, 13, 3114.	1.3	5
7	The working mechanisms of low molecular weight polynaphthalene sulfonate superplasticizers. Construction and Building Materials, 2020, 240, 117891.	3.2	10
8	Longitudinal restraining devices for the evaluation of structural behaviour of cementâ€based materials: The past, present and prospective trends. Strain, 2020, 56, e12343.	1.4	7
9	Assessment of behaviour and cracking susceptibility of cementitious systems under restrained conditions through ring tests: A critical review. Cement and Concrete Composites, 2019, 95, 137-153.	4.6	32
10	Control of radon emanation at determination of activity concentration index for building materials. Construction and Building Materials, 2018, 160, 810-817.	3.2	9
11	Indoor radon regulation using tabulated values of temporal radon variation. Journal of Environmental Radioactivity, 2018, 183, 59-72.	0.9	16
12	Testing of concrete by rebound method: Leeb versus Schmidt hammers. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	28
13	Behavior and design of high-strength circular reinforced concrete columns subjected to axial compression. Engineering Structures, 2018, 173, 472-480.	2.6	23
14	The national survey of natural radioactivity in concrete produced in Israel. Journal of Environmental Radioactivity, 2017, 168, 46-53.	0.9	18
15	Influence of water to cement ratio on the efficiency of internal curing of high-performance concrete. Construction and Building Materials, 2017, 144, 311-316.	3.2	56
16	Application of ultrasonic pulse velocity for assessment of thermal expansion coefficient of concrete at early age. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	13
17	Open charcoal chamber method for mass measurements of radon exhalation rate from soil surface. Journal of Environmental Radioactivity, 2016, 160, 28-35.	0.9	25
18	Revisiting the concept for evaluation of radon protective properties of building insulation materials. Building and Environment, 2016, 95, 182-188.	3.0	13

#	Article	IF	Citations
19	Evaluation of the Thermal Expansion Coefficient Using Non-Destructive Testing. , 2015, , .		3
20	Air change rates and radon accumulation in rooms with various levels of window and door closure. Journal of Building Physics, 2014, 38, 234-261.	1.2	12
21	New method and installation for rapid determination of radon diffusion coefficient in various materials. Journal of Environmental Radioactivity, 2014, 130, 7-14.	0.9	16
22	Effect of internal curing by using superabsorbent polymers (SAP) on autogenous shrinkage and other properties of a high-performance fine-grained concrete: results of a RILEM round-robin test. Materials and Structures/Materiaux Et Constructions, 2014, 47, 541-562.	1.3	175
23	Hydration kinetics of high-performance cementitious systems under different curing conditions. Materials and Structures/Materiaux Et Constructions, 2013, 46, 1599-1611.	1.3	35
24	Effect of hybrid curing on cracking potential of high-performance concrete. Cement and Concrete Research, 2013, 54, 36-42.	4.6	42
25	Can scintillation detectors with low spectral resolution accurately determine radionuclides content of building materials?. Applied Radiation and Isotopes, 2013, 77, 76-83.	0.7	8
26	Determination of Mix Composition of Concrete Containing Fly Ash Using Gamma Spectrometry. Materials Research Society Symposia Proceedings, 2012, 1488, 121.	0.1	0
27	Smart Additives for Self-Curing Concrete. Materials Research Society Symposia Proceedings, 2012, 1488, 23.	0.1	1
28	Effect of internal curing on durability-related properties of high performance concrete. Cement and Concrete Research, 2012, 42, 20-26.	4.6	208
29	Does the utilization of coal fly ash in concrete construction present a radiation hazard?. Construction and Building Materials, 2012, 29, 158-166.	3.2	46
30	Can superabsorent polymers mitigate autogenous shrinkage of internally cured concrete without compromising the strength?. Construction and Building Materials, 2012, 31, 226-230.	3.2	179
31	Properties of fresh and hardened concrete. Cement and Concrete Research, 2011, 41, 775-792.	4.6	234
32	Legislative aspects of radiation hazards from both gamma emitters and radon exhalation of concrete containing coal fly ash. Construction and Building Materials, 2011, 25, 3404-3409.	3.2	32
33	Revisiting the protected paste volume concept for internal curing of high-strength concretes. Cement and Concrete Research, 2011, 41, 981-986.	4.6	51
34	Radiological constraints of using building materials and industrial by-products in construction. Construction and Building Materials, 2009, 23, 246-253.	3.2	78
35	Measurements of radon exhalation rate for monitoring cement hydration. Materials and Structures/Materiaux Et Constructions, 2007, 40, 419-430.	1.3	6
36	Overview and Future Trends of Shrinkage Research. Materials and Structures/Materiaux Et Constructions, 2006, 39, 827-847.	1.3	164

#	Article	IF	Citations
37	Measurement of water transport from saturated pumice aggregates to hardening cement paste. Materials and Structures/Materiaux Et Constructions, 2006, 39, 861-868.	1.3	44
38	Radon exhalation of hardening concrete: monitoring cement hydration and prediction of radon concentration in construction site. Journal of Environmental Radioactivity, 2006, 86, 354-366.	0.9	14
39	Influence of cement paste matrix properties on the autogenous curing of high-performance concrete. Cement and Concrete Composites, 2004, 26, 499-507.	4.6	104
40	Utilization of industrial by-products for the production of controlled low strength materials (CLSM). Waste Management, 2004, 24, 501-512.	3.7	122
41	Early age concreteâ€“â€“properties and performance. Cement and Concrete Composites, 2004, 26, 413-415.	4.6	4
42	DETERMINATION OF THE RADON DIFFUSION LENGTH IN BUILDING MATERIALS USING ELECTRETS AND ACTIVATED CARBON. Health Physics, 2004, 86, 505-516.	0.3	30
43	Pre-Soaked Lightweight Aggregates as Additives for Internal Curing of High-Strength Concretes. Cement, Concrete and Aggregates, 2004, 26, 1-8.	0.1	10
44	The effect of dehydroxylation/amorphization degree on pozzolanic activity of kaolinite. Cement and Concrete Research, 2003, 33, 405-416.	4.6	239
45	Efficiency of lightweight aggregates for internal curing of high strength concrete to eliminate autogenous shrinkage. Materials and Structures/Materiaux Et Constructions, 2002, 35, 97-101.	1.3	44
46	Prevention of autogenous shrinkage in high-strength concrete by internal curing using wet lightweight aggregates. Cement and Concrete Research, 2001, 31, 1587-1591.	4.6	391
47	Enhancing Water Resistance of Cement and Gypsum-Cement Materials. Journal of Materials in Civil Engineering, 2001, 13, 349-355.	1.3	17
48	Autogenous shrinkage and induced restraining stresses in high-strength concretes. Cement and Concrete Research, 2000, 30, 1701-1707.	4.6	108
49	A New Look at the Problem of Drying Creep of Concrete under Tension. Journal of Materials in Civil Engineering, 1999, 11, 84-87.	1.3	23
50	Interdependence of Creep and Shrinkage for Concrete under Tension. Journal of Materials in Civil Engineering, 1995, 7, 96-101.	1.3	26