

Vesa E Penttala

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,698
citations

471061

17
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

1482
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface decoration of carbon nanotubes and mechanical properties of cement/carbon nanotube composites. <i>Advances in Cement Research</i> , 2008, 20, 65-73.	0.7	352
2	The pH measurement of concrete and smoothing mortar using a concrete powder suspension. <i>Cement and Concrete Research</i> , 2004, 34, 813-820.	4.6	135
3	Reactive powder based concretes: Mechanical properties, durability and hybrid use with OPC. <i>Cement and Concrete Research</i> , 2008, 38, 1217-1226.	4.6	120
4	Aggregate-cement paste transition zone properties affecting the salt-frost damage of high-performance concretes. <i>Cement and Concrete Research</i> , 2005, 35, 671-679.	4.6	119
5	A novel cement-based hybrid material. <i>New Journal of Physics</i> , 2009, 11, 023013.	1.2	108
6	The effect of limestone on sodium hydroxide-activated metakaolin-based geopolymers. <i>Construction and Building Materials</i> , 2014, 66, 53-62.	3.2	103
7	Title is missing!. <i>Fire Technology</i> , 2003, 39, 23-34.	1.5	100
8	Surface and internal deterioration of concrete due to saline and non-saline freeze-thaw loads. <i>Cement and Concrete Research</i> , 2006, 36, 921-928.	4.6	96
9	SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. <i>Materials Characterization</i> , 2009, 60, 735-740.	1.9	89
10	Stress and strain state of concrete during freezing and thawing cycles. <i>Cement and Concrete Research</i> , 2002, 32, 1407-1420.	4.6	87
11	Effect of Carbon Nanotube Aqueous Dispersion Quality on Mechanical Properties of Cement Composite. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	1.5	75
12	Freezing-Induced Strains and Pressures in Wet Porous Materials and Especially in Concrete Mortars. <i>Advanced Cement Based Materials</i> , 1998, 7, 8-19.	0.4	71
13	Synthesis of Carbon Nanotubes and Nanofibers on Silica and Cement Matrix Materials. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-4.	1.5	50
14	Effects of mineral powders on hydration process and hydration products in normal strength concrete. <i>Construction and Building Materials</i> , 2014, 72, 7-14.	3.2	49
15	Direct Synthesis of Carbon Nanofibers on Cement Particles. <i>Transportation Research Record</i> , 2010, 2142, 96-101.	1.0	41
16	Properties of high yield synthesised carbon nano fibres/Portland cement composite. <i>Advances in Cement Research</i> , 2009, 21, 141-146.	0.7	22
17	Mineral powder concrete - effects of powder content on concrete properties. <i>Magazine of Concrete Research</i> , 2011, 63, 893-903.	0.9	21
18	Drying of lightweight concrete produced from crushed expanded clay aggregates. <i>Cement and Concrete Research</i> , 1996, 26, 1423-1433.	4.6	18

#	ARTICLE	IF	CITATIONS
19	Effects of microporosity on the compression strength and freezing durability of high-strength concretes. Magazine of Concrete Research, 1989, 41, 171-181.	0.9	14
20	Effects of aggregates and microfillers on the flexural properties of concrete. Magazine of Concrete Research, 1997, 49, 81-97.	0.9	13
21	Freeze-thaw resistance of normal strength powder concretes. Magazine of Concrete Research, 2015, 67, 71-81.	0.9	8
22	Nature of compression strength in concrete. Magazine of Concrete Research, 1992, 44, 87-106.	0.9	5
23	Final Report of RILEM TC 176-IDC: Internal Damage of Concrete due to frost action. Materials and Structures/Materiaux Et Constructions, 2004, 37, 740-742.	1.3	2