

# CITATION REPORT

List of articles citing

**Air-entrained self-consolidating concrete: A study of admixture sources**

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**Construction and Building Materials, 2012, 26, 490-496.**

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#	Paper	IF	Citations
38	The influence of selected new generation admixtures on the workability, air-voids parameters and frost-resistance of self compacting concrete. <i>Construction and Building Materials</i> , <b>2012</b> , 31, 310-319	6.7	67
37	The frost resistance versus air voids parameters of high performance self compacting concrete modified by non-air-entrained admixtures. <i>Construction and Building Materials</i> , <b>2013</b> , 48, 1209-1220	6.7	17
36	Effect of viscosity type modifying admixture on porosity, compressive strength and water penetration of high performance self-compacting concrete. <i>Construction and Building Materials</i> , <b>2013</b> , 48, 1035-1044	6.7	24
35	The type of air-entraining and viscosity modifying admixtures and porosity and frost durability of high performance self-compacting concrete. <i>Construction and Building Materials</i> , <b>2013</b> , 40, 659-671	6.7	55
34	Synthesis, Characterization, and Application Properties of Aminosulfonate-Phenol-Salicylic Acid-Formaldehyde (AH) Polymer in Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2013</b> , 25, 112-119 <sup>3</sup>		3
33	Examining the possibility to estimate the influence of admixtures on pore structure of self-compacting concrete using the air void analyzer. <i>Construction and Building Materials</i> , <b>2013</b> , 41, 374-387	6.7	15
32	The influence of admixtures type on the air-voids parameters of non-air-entrained and air-entrained high performance SCC. <i>Construction and Building Materials</i> , <b>2013</b> , 41, 109-124	6.7	30
31	Effects of natural zeolite on the fresh and hardened properties of self-compacted concrete. <i>Construction and Building Materials</i> , <b>2013</b> , 47, 806-813	6.7	61
30	The methodology for assessing the impact of new generation superplasticizers on air content in self-compacting concrete. <i>Construction and Building Materials</i> , <b>2014</b> , 53, 488-502	6.7	34
29	Influence of Superplasticizer on Porosity Structures in Hardened Concretes. <i>Procedia Engineering</i> , <b>2015</b> , 108, 262-269		11
28	Effect of nano silica on the workability of self-compacting concretes having untreated and surface treated lightweight aggregates. <i>Construction and Building Materials</i> , <b>2016</b> , 115, 371-380	6.7	35
27	Thermal and mechanical properties of gypsum cement foam concrete: effects of surfactant. <i>European Journal of Environmental and Civil Engineering</i> , <b>2016</b> , 1-20	1.5	14
26	Time-Dependent Behavior of Self-Consolidating Concrete Loaded at Early Age: Influence of Chemical Admixtures. <i>Journal of Materials in Civil Engineering</i> , <b>2016</b> , 28, 04015066	3	7
25	Effects of fly ash, mixing procedure and type of air-entraining agent on coalescence of entrained air bubbles in mortar of self-compacting concrete at fresh state. <i>Construction and Building Materials</i> , <b>2018</b> , 180, 437-444	6.7	24
24	Impacts of Low Atmospheric Pressure on Properties of Cement Concrete in Plateau Areas: A Literature Review. <i>Materials</i> , <b>2019</b> , 12,	3.5	9
23	Fresh and hardened properties of self-compacting concrete using silicon carbide waste as a viscosity-modifying agent. <i>Construction and Building Materials</i> , <b>2019</b> , 200, 324-332	6.7	27
22	Effect of bubble feature parameters on rheological properties of fresh concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 196, 245-255	6.7	14

21	Improvement of viscosity-modifying agents on air-void system of vibrated concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 239, 117843	6.7	13
20	Inhibition effect and mechanism of polyacrylamide for steel corrosion in simulated concrete pore solution. <i>Construction and Building Materials</i> , <b>2020</b> , 259, 120425	6.7	11
19	Fresh and Hardened Properties of Extrusion-Based 3D-Printed Cementitious Materials: A Review. <i>Sustainability</i> , <b>2020</b> , 12, 5628	3.6	13
18	An attempt to quantitatively and qualitatively differentiate the pore structure originating from air naturally present in hardened concretes and introduced by an air-entraining admixture. <i>Road Materials and Pavement Design</i> , <b>2020</b> , 1-12	2.6	1
17	Effect of nano-SiO <sub>2</sub> hydrosol on size distribution, coalescence and collapse of entrained air bubbles in fresh cement mortar. <i>Construction and Building Materials</i> , <b>2020</b> , 264, 120277	6.7	5
16	Study of the Air-Entraining Behavior Based on the Interactions between Cement Particles and Selected Cationic, Anionic and Nonionic Surfactants. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
15	Mixture Design Study of Fiber-Reinforced Self-Compacting Concrete for Prefabricated Street Light Post Structures. <i>Advances in Civil Engineering</i> , <b>2020</b> , 2020, 1-7	1.3	1
14	Additional Porosity as a Side Effect of Polycarboxylate Addition and Its Influence on Concretes Scaling Resistance. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
13	Air entrainment in fresh concrete and its effects on hardened concrete-a review. <i>Construction and Building Materials</i> , <b>2021</b> , 274, 121835	6.7	12
12	Impact of Self-Compacting Concrete Admixtures on Frost Resistance and Compressive Strength-Commensurability of Frost Resistance Criteria. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
11	Fresh and Rheological Performances of Air-Entrained 3D Printable Mortars. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
10	Towards Innovative and Sustainable Construction of Architectural Structures by Employing Self-Consolidating Concrete Reinforced with Polypropylene Fibers.		
9	Bond of FRP bars in air-entrained concrete: Experimental and statistical study. <i>Construction and Building Materials</i> , <b>2021</b> , 300, 124193	6.7	5
8	Effect of Air Entraining Agents on The Air Void Structure of Concrete. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2011, 012051	0.3	
7	Effect of the compounding of an antifoaming agent and a viscosity modifying agent on the frost resistance of mold bag concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 308, 125016	6.7	2
6	Characteristic analysis of air bubbles on the rheological properties of cement mortar. <i>Construction and Building Materials</i> , <b>2022</b> , 316, 125812	6.7	0
5	Air void clustering in concrete and its effect on concrete strength. <i>International Journal of Pavement Engineering</i> , 1-15	2.6	0
4	Porosity effects on rheological and mechanical behavior of self-compacting concrete. <i>Journal of Building Engineering</i> , <b>2022</b> , 48, 103964	5.2	2

- 3 Influence of pore size distribution on concrete cracking with different AEA content and curing age using acoustic emission and low-field NMR. **2022**, 58, 105059 ○
- 2 Test methods for 3D printable concrete. **2022**, 142, 104529 ○
- 1 Utilization of high-range water reducing admixture having air-entraining agents in cementitious systems. **2022**, 105565 ○