

# Serina Ng

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,125  
citations

623699

14  
h-index

642715

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

983  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of size-tunable hollow silica nanospheres for building thermal insulation applications. Journal of Building Engineering, 2020, 31, 101336.	3.4	8
2	Thermal and Mechanical Properties of SiO <sub>2</sub> Aerogel Incorporated Geopolymer Insulation Materials. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	7
3	Hollow silica nanospheres as thermal insulation materials for construction: Impact of their morphologies as a function of synthesis pathways and starting materials. Construction and Building Materials, 2018, 166, 72-80.	7.2	21
4	Fiber-Reinforced Concrete with Application in Civil Engineering. Advances in Civil Engineering, 2018, 2018, 1-4.	0.7	11
5	Hydration and rheology control of concrete for digital fabrication: Potential admixtures and cement chemistry. Cement and Concrete Research, 2018, 112, 96-110.	11.0	332
6	Effect of calcium stearate based foam stabilizer on pore characteristics and thermal conductivity of geopolymer foam material. Journal of Building Engineering, 2018, 20, 21-29.	3.4	75
7	Filler and Water Reducer Effects on Sedimentation, Bleeding and Zeta-Potential of Cement Paste. Nordic Concrete Research, 2018, 58, 107-125.	0.6	4
8	Influence of crushed aggregate fines with micro-proportioned particle size distributions on rheology of cement paste. Cement and Concrete Composites, 2017, 80, 64-79.	10.7	34
9	Incorporation of Polymers into Calcined Clays as Improved Thermal Insulating Materials for Construction. Advances in Materials Science and Engineering, 2017, 2017, 1-6.	1.8	6
10	High Performance Concrete Materials with Applications in Building and Civil Engineering. Journal of Engineering (United States), 2017, 2017, 1-3.	1.0	2
11	Advanced Cementitious Building Materials with Applications in Civil Engineering. Advances in Civil Engineering, 2017, 2017, 1-3.	0.7	4
12	Methodology of calculating required chloride diffusion coefficient for intended service life as function of concrete cover in reinforced marine structures. Cement and Concrete Composites, 2016, 73, 316-323.	10.7	40
13	Calcined clays as binder for thermal insulating and structural aerogel incorporated mortar. Cement and Concrete Composites, 2016, 72, 213-221.	10.7	42
14	Avoiding Snow and Ice Formation on Exterior Solar Cell Surfaces – A Review of Research Pathways and Opportunities. Procedia Engineering, 2016, 145, 699-706.	1.2	26
15	Effect of storage and curing conditions at elevated temperatures on aerogel-incorporated mortar samples based on UHPC recipe. Construction and Building Materials, 2016, 106, 640-649.	7.2	57
16	Influence of plasticizers on the rheology and early heat of hydration of blended cements with high content of fly ash. Cement and Concrete Composites, 2016, 65, 41-54.	10.7	57
17	Experimental investigations of aerogel-incorporated ultra-high performance concrete. Construction and Building Materials, 2015, 77, 307-316.	7.2	122
18	Influence of dispersing agents on the rheology and early heat of hydration of blended cements with high loading of calcined marl. Cement and Concrete Composites, 2015, 60, 123-134.	10.7	34

#	ARTICLE	IF	CITATIONS
19	Development of Nano Insulation Materials for Building Constructions. , 2015, , 429-434.		4
20	Influence of lignosulfonate on the early age rheology and hydration characteristics of cement pastes. Journal of Sustainable Cement-Based Materials, 2015, 4, 15-24.	3.1	2
21	Occurrence of intercalation of PCE superplasticizers in calcium aluminate cement under actual application conditions, as evidenced by SAXS analysis. Cement and Concrete Research, 2013, 54, 191-198.	11.0	25
22	Intercalation of the Microbial Biopolymers Welan Gum and EPS I into Layered Double Hydroxides. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 479-487.	0.7	6
23	Interaction mechanisms between Na montmorillonite clay and MPEG-based polycarboxylate superplasticizers. Cement and Concrete Research, 2012, 42, 847-854.	11.0	164
24	Ca <sup>2+</sup> -Mediated Interaction Between Microsilica and Polycarboxylate Comb Polymers in a Model Cement Pore Solution. Journal of the American Ceramic Society, 2010, 93, 3493-3498.	3.8	26
25	Insulating and Strength Properties of an Aerogel-Incorporated Mortar Based an UHPC Formulations. Key Engineering Materials, 0, 629-630, 43-48.	0.4	16