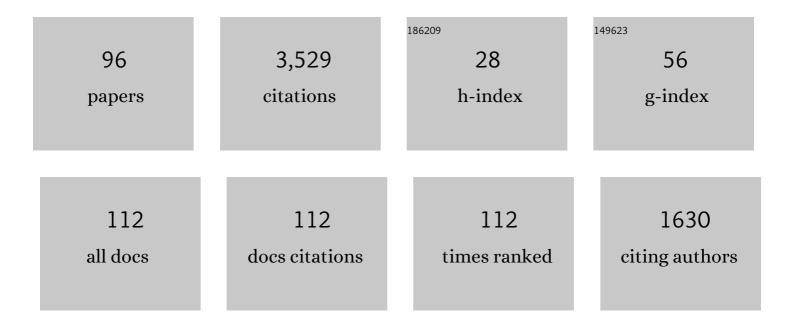
List of Publications by Year in descending order

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ADMALID DEDDOT

#	Article	IF	CITATIONS
1	Structural built-up of cement-based materials used for 3D-printing extrusion techniques. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1213-1220.	1.3	569
2	Extrusion-based additive manufacturing with cement-based materials – Production steps, processes, and their underlying physics: A review. Cement and Concrete Research, 2020, 132, 106037.	4.6	297
3	Particle-bed 3D printing in concrete construction – Possibilities and challenges. Cement and Concrete Research, 2018, 112, 50-65.	4.6	274
4	Yield stress and bleeding of fresh cement pastes. Cement and Concrete Research, 2012, 42, 937-944.	4.6	196
5	3D printing of earth-based materials: Processing aspects. Construction and Building Materials, 2018, 172, 670-676.	3.2	148
6	Prediction of lateral form pressure exerted by concrete at low casting rates. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2315-2322.	1.3	101
7	Non-linear modeling of yield stress increase due to SCC structural build-up at rest. Cement and Concrete Research, 2017, 92, 92-97.	4.6	86
8	Processing the Couette viscometry data using a Bingham approximation in shear rate calculation. Journal of Non-Newtonian Fluid Mechanics, 2008, 154, 31-38.	1.0	71
9	Use of ram extruder as a combined rheo-tribometer to study the behaviour of high yield stress fluids at low strain rate. Rheologica Acta, 2012, 51, 743-754.	1.1	69
10	Extrusion of cement-based materials - an overview. RILEM Technical Letters, 0, 3, 91-97.	0.0	68
11	A new look at the measurement of cementitious paste setting by Vicat test. Cement and Concrete Research, 2010, 40, 681-686.	4.6	67
12	Underwater 3D printing of cement-based mortar. Construction and Building Materials, 2019, 214, 458-467.	3.2	64
13	Nailing of Layers: A Promising Way to Reinforce Concrete 3D Printing Structures. Materials, 2020, 13, 1518.	1.3	61
14	Prediction of extrusion load and liquid phase filtration during ram extrusion of high solid volume fraction pastes. Powder Technology, 2013, 249, 258-268.	2.1	57
15	Structural build-up of rigid fiber reinforced cement-based materials. Materials and Structures/Materiaux Et Constructions, 2013, 46, 1561-1568.	1.3	56
16	Permeability measurement of fresh cement paste. Cement and Concrete Research, 2011, 41, 330-338.	4.6	55
17	A nonlocal Fourier's law and its application to the heat conduction of one-dimensional and two-dimensional thermal lattices. Comptes Rendus - Mecanique, 2016, 344, 388-401.	2.1	55
18	From analytical methods to numerical simulations: A process engineering toolbox for 3D concrete printing. Cement and Concrete Composites, 2021, 122, 104164.	4.6	55

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19	Properties of an industrial extruded HDPE-WPC: The effect of the size distribution of wood flour particles. Construction and Building Materials, 2018, 162, 543-552.	3.2	54
20	Field validation of models for predicting lateral form pressure exerted by SCC. Cement and Concrete Composites, 2014, 54, 70-79.	4.6	50
21	Penetration of cement pastes into sand packings during 3D printing: analytical and experimental study. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	49
22	Ram extrusion force for a frictional plastic material: model prediction and application to cement paste. Rheologica Acta, 2006, 45, 457-467.	1.1	46
23	Mortar physical properties evolution in extrusion flow. Rheologica Acta, 2007, 46, 1065-1073.	1.1	45
24	SCC formwork pressure: Influence of steel rebars. Cement and Concrete Research, 2009, 39, 524-528.	4.6	45
25	Cement-based mixes: Shearing properties and pore pressure. Cement and Concrete Research, 2012, 42, 139-147.	4.6	42
26	Cellulose ethers and cement paste permeability. Cement and Concrete Research, 2015, 72, 117-127.	4.6	37
27	Processing the Vane Shear Flow Data from Couette Analogy. Applied Rheology, 2008, 18, 34037-1-34037-6.	3.5	36
28	A novel settling and structural build-up measurement method. Measurement Science and Technology, 2008, 19, 105702.	1.4	31
29	Linking rheological and geotechnical properties of kaolinite materials for earthen construction. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4647-4655.	1.3	31
30	Design of clay/cement mixtures for extruded building products. Materials and Structures/Materiaux Et Constructions, 2013, 46, 999-1010.	1.3	30
31	A novel pull-out device used to study the influence of pressure during processing of cement-based material reinforced with coir. Construction and Building Materials, 2015, 78, 224-233.	3.2	30
32	Strategies for optimizing the mechanical strengths of raw earth-based mortars. Construction and Building Materials, 2018, 167, 496-504.	3.2	30
33	Hydro-mechanical properties of fresh cement pastes containing polycarboxylate superplasticizer. Cement and Concrete Research, 2013, 53, 221-228.	4.6	29
34	Mechanical enhancement of cement-stabilized soil by flax fibre reinforcement and extrusion processing. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1143-1156.	1.3	29
35	Slipping zone location in squeeze flow. Rheologica Acta, 2006, 45, 444-448.	1.1	25
36	Effect of mix proportions on rheology and permeability of cement grouts containing viscosity modifying admixture. Construction and Building Materials, 2019, 212, 687-697.	3.2	25

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37	Assessment of asymmetrical rheological behavior of cementitious material for 3D printing application. Cement and Concrete Research, 2021, 140, 106305.	4.6	24
38	Material-process interactions in particle bed 3D printing and the underlying physics. Cement and Concrete Research, 2022, 156, 106748.	4.6	23
39	A study on the limitations of a vane rheometer for mineral suspensions using image processing. Rheologica Acta, 2017, 56, 351-367.	1.1	22
40	Optimisation of rheological parameters, induced bleeding, permeability and mechanical properties of supersulfated cement grouts. Construction and Building Materials, 2020, 262, 120078.	3.2	21
41	Assessing the fresh properties of printable cement-based materials: High potential tests for quality control. Cement and Concrete Research, 2022, 158, 106836.	4.6	20
42	Toward modeling anisotropic yield stress and consistency induced by fiber in fiber-reinforced viscoplastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2015, 220, 69-76.	1.0	19
43	Vibro-extrusion: a new forming process for cement-based materials. Advances in Cement Research, 2009, 21, 125-133.	0.7	18
44	Combined and synergic effect of algerian natural fibres and biopolymers on the reinforcement of extruded raw earth. Construction and Building Materials, 2021, 289, 123211.	3.2	18
45	Effect of coarse particle volume fraction on the hydraulic conductivity of fresh cement based material. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2291-2297.	1.3	17
46	Study of tribological behaviour of fresh mortar against a rigid plane wall. European Journal of Environmental and Civil Engineering, 2013, 17, 419-429.	1.0	14
47	Rheological properties of calcium sulfate suspensions. Cement and Concrete Research, 2015, 76, 70-81.	4.6	13
48	Penetration of Cement Pastes into Particle-Beds: A Comparison of Penetration Models. Materials, 2021, 14, 389.	1.3	13
49	Effects of mix design parameters on consolidation behaviour of fresh cement-based materials. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	12
50	Effect of metakaolin and natural fibres on three-dimensional printing mortar. Proceedings of Institution of Civil Engineers: Construction Materials, 2021, 174, 115-128.	0.7	12
51	Influence of nanoclay on the fresh and rheological behaviour of 3D printing mortar. Materials Today: Proceedings, 2022, 58, 1063-1068.	0.9	12
52	Fluid intrusion in powder beds for selective cement activation – An experimental and analytical study. Cement and Concrete Research, 2022, 156, 106771.	4.6	12
53	Determination of the consolidation coefficient of low compressibility materials: application to fresh cement-based materials. Materials and Structures/Materiaux Et Constructions, 2015, 48, 1475-1483.	1.3	11
54	Field-oriented tests to evaluate the workability of cob and adobe. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	11

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55	Additive Manufacturing of Cementitious Materials by Selective Paste Intrusion: Numerical Modeling of the Flow Using a 2D Axisymmetric Phase Field Method. Materials, 2020, 13, 5024.	1.3	11
56	Effect of bio-stabilizers on capillary absorption and water vapour transfer into raw earth. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	11
57	Water absorption measurements on WPCs: Assessment of size and direction dependencies in order to design fast and accurate quality control tests. Polymer Testing, 2019, 77, 105899.	2.3	10
58	Digital Fabrication with Cement-Based Materials: Process Classification and Case Studies. RILEM State-of-the-Art Reports, 2022, , 11-48.	0.3	10
59	Static and Dynamic Behaviors of Microstructured Membranes within Nonlocal Mechanics. Journal of Engineering Mechanics - ASCE, 2018, 144, .	1.6	9
60	The plate test carried out on fresh cement-based materials:How and why?. Cement and Concrete Research, 2017, 93, 1-7.	4.6	8
61	Tensile Characteristics of Coconut Fibers Reinforced Mortar Composites. Advanced Materials Research, 0, 651, 269-273.	0.3	7
62	On the failure of a discrete axial chain using a continualized nonlocal Continuum Damage Mechanics approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 436-466.	1.7	7
63	Processing methods for optimising the mechanical strength of raw earth-based materials. Proceedings of Institution of Civil Engineers: Construction Materials, 2021, 174, 150-160.	0.7	7
64	Effect of Metakaolin, Fly Ash and Polypropylene Fibres on Fresh and Rheological Properties of 3D Printing Based Cement Materials. RILEM Bookseries, 2020, , 206-215.	0.2	7
65	Poiseuille flow of nonlocal microstructured fluid. Mechanics Research Communications, 2014, 59, 51-57.	1.0	6
66	Nonlocal continuum analysis of a nonlinear uniaxial elastic lattice system under non-uniform axial load. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 378-388.	1.3	6
67	Unconventional tools for the study of the flow properties of concrete equivalent mortar based on recycled concrete aggregates. Environmental Science and Pollution Research, 2022, 29, 26739-26758.	2.7	6
68	Effect of Coconut Fibers Addition to early Age Unfired Soil Lime Bricks Strength. Key Engineering Materials, 0, 594-595, 471-476.	0.4	5
69	Effect of Fibers Content on the Tensile Properties of Coconut Fibers Reinforced Cement Mortar Composites. Advanced Materials Research, 0, 742, 92-97.	0.3	5
70	Experimental approach on a moving formwork. Construction and Building Materials, 2021, 270, 121472.	3.2	5
71	Gravity Driven Tests to Assess Mechanical Properties of Printable Cement-Based Materials at Fresh State. RILEM Bookseries, 2020, , 280-289.	0.2	5
72	Gravity induced flow to characterize rheological properties of printable cement-based materials. RILEM Technical Letters, 0, 5, 150-156.	0.0	5

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73	Digital Fabrication with Cement-Based Materials: Underlying Physics. RILEM State-of-the-Art Reports, 2022, , 49-98.	0.3	5
74	Microfibrillated cellulose as a new approach to develop lightweight cementitious composites: Rheological, Mechanical, and microstructure perspectives. Construction and Building Materials, 2022, 342, 128008.	3.2	5
75	Mortar pore pressure prediction during the first hours of cement hydration. Cement and Concrete Composites, 2021, 119, 103998.	4.6	4
76	Characterization of the shear behavior of mineral suspensions at controlled negative pressure conditions. Powder Technology, 2020, 364, 60-69.	2.1	3
77	Valorization of glass powder waste, crushed and dune sands in the mix design of ultra-high performance fiber reinforced concrete: Assessing effect of waste variability. Materiaux Et Techniques, 2021, 109, 103.	0.3	3
78	Impact of the nature of fibers on the physicomechanical behavior and durability of cement matrices. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1467-1482.	1.0	3
79	Printable Cement-Based Materials: Fresh Properties Measurements and Control. RILEM State-of-the-Art Reports, 2022, , 99-136.	0.3	3
80	Extrusion Criterion for Firm Cement-Based Materials. AIP Conference Proceedings, 2008, , .	0.3	2
81	Effect of Metallic Fibers on the Print Quality and Strength of 3D Printed Concrete. RILEM Bookseries, 2020, , 439-448.	0.2	2
82	Erosion Behaviour of Bio-Stabilised Earthen Materials. , 0, , .		2
83	Mechanical Performance of 3-D Printed Concrete Containing Fly Ash, Metakaolin and Nanoclay. RILEM Bookseries, 2022, , 111-116.	0.2	2
84	Energy distribution in the squeezing of particles in concentrated suspension. Granular Matter, 2008, 10, 81-87.	1.1	1
85	Couette Rheometry from Differential Approach: Comparative Study and Experimental Application. AlP Conference Proceedings, 2008, , .	0.3	1
86	A localization analysis of a non-uniform damage lattice in presence of strength gradient. International Journal of Fracture, 2018, 210, 29-43.	1.1	1
87	Multi-Scale Analysis to Study the Rheological Behavior of Natural Mud Suspensions. AIP Conference Proceedings, 2008, , .	0.3	Ο
88	Squeezing Flow of Suspensions: Flow Regime Evaluation from Energy Approach. AIP Conference Proceedings, 2008, , .	0.3	0
89	Two-scale nonlocal shear rate formulation of Bingham plastic fluid. Applied Mathematical Modelling, 2015, 39, 4075-4094.	2.2	0
90	Nonlocal Continuum Damage Mechanics Approach of a Discrete Axial Chain under Non-Uniform Axial Load. Applied Mechanics and Materials, 2015, 784, 317-324.	0.2	0

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#	Article	IF	CITATIONS
91	Scale effects in the static response of a one-dimensional quasi-brittle damage lattice. European Journal of Environmental and Civil Engineering, 2016, 20, 1233-1248.	1.0	0
92	The Plate Test carried out on Fresh Self- Compacting Concrete. , 2016, , .		0
93	Effect of Limestone Powder Addition Quality on SCC Rheology. RILEM Bookseries, 2020, , 500-507.	0.2	0
94	Linseed Oil and Xanthan Gum: Promising Stabilisers for Earthen Building Materials. , 0, , .		0
95	M&S highlight: Le et al. (2012), Mix design and fresh properties for high-performance printing concrete. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	1.3	0
96	Bio-Stabilised Earthen Blocks: A Critical Study on Compression Tests of Immersed Samples. , 0, , .		0