

Luigi Coppola

List of Publications by Year in descending order

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39
papers

1,264
citations

331259

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395343

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docs citations

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times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathways towards sustainable concrete. <i>Cement and Concrete Research</i> , 2022, 154, 106718.	4.6	69
2	The Improvement of Durability of Reinforced Concretes for Sustainable Structures: A Review on Different Approaches. <i>Materials</i> , 2022, 15, 2728.	1.3	15
3	Influence of acrylic latex and pre-treated hemp fibers on cement based mortar properties. <i>Construction and Building Materials</i> , 2021, 273, 121720.	3.2	32
4	Protection of Concrete Structures: Performance Analysis of Different Commercial Products and Systems. <i>Materials</i> , 2021, 14, 3719.	1.3	9
5	Tartaric acid effects on hydration development and physico-mechanical properties of blended calcium sulphoaluminate cements. <i>Cement and Concrete Composites</i> , 2021, 124, 104275.	4.6	22
6	Special Issue "Corrosion in Concrete: Inhibitors and Coatings". <i>Materials</i> , 2021, 14, 6211.	1.3	1
7	Self-Sensing Properties of Green Alkali-Activated Binders with Carbon-Based Nano-inclusions. <i>Sustainability</i> , 2020, 12, 9916.	1.6	22
8	Hydrogen Permeation in X65 Steel under Cyclic Loading. <i>Materials</i> , 2020, 13, 2309.	1.3	9
9	Inhibition Effect of Tartrate Ions on the Localized Corrosion of Steel in Pore Solution at Different Chloride Concentrations. <i>Buildings</i> , 2020, 10, 105.	1.4	7
10	Influence of Lithium Carbonate and Sodium Carbonate on Physical and Elastic Properties and on Carbonation Resistance of Calcium Sulphoaluminate-Based Mortars. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 176.	1.3	10
11	Chloride Diffusion in Concrete Protected with a Silane-Based Corrosion Inhibitor. <i>Materials</i> , 2020, 13, 2001.	1.3	22
12	The Durability of One-Part Alkali-Activated Slag-Based Mortars in Different Environments. <i>Sustainability</i> , 2020, 12, 3561.	1.6	37
13	The combined use of admixtures for shrinkage reduction in one-part alkali activated slag-based mortars and pastes. <i>Construction and Building Materials</i> , 2020, 248, 118682.	3.2	56
14	Repair and conservation of reinforced concrete tent-church by Pino Pizzigoni at Longuelo " Bergamo (Italy). <i>International Journal of Architectural Heritage</i> , 2019, 13, 630-638.	1.7	2
15	Lightweight cement-free alkali-activated slag plaster for the structural retrofit and energy upgrading of poor quality masonry walls. <i>Cement and Concrete Composites</i> , 2019, 104, 103341.	4.6	33
16	An Empathetic Added Sustainability Index (EASI) for cementitious based construction materials. <i>Journal of Cleaner Production</i> , 2019, 220, 475-482.	4.6	45
17	The influence of heat and steam curing on the properties of one-part fly ash/slag alkali activated materials: Preliminary results. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	10
18	Pre-packed alkali activated cement-free mortars for repair of existing masonry buildings and concrete structures. <i>Construction and Building Materials</i> , 2018, 173, 111-117.	3.2	48

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19	Innovative carboxylic acid waterproofing admixture for self-sealing watertight concretes. <i>Construction and Building Materials</i> , 2018, 171, 817-824.	3.2	33
20	Use of tartaric acid for the production of sustainable Portland-free CSA-based mortars. <i>Construction and Building Materials</i> , 2018, 171, 243-249.	3.2	40
21	Fiber reinforced mortars based on free Portland-CSA binders under high stress rate. <i>EPJ Web of Conferences</i> , 2018, 183, 04013.	0.1	4
22	Binders alternative to Portland cement and waste management for sustainable constructionâ€™part 1. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2018, 16, 186-202.	0.7	57
23	Plain and Ultrafine Fly Ashes Mortars for Environmentally Friendly Construction Materials. <i>Sustainability</i> , 2018, 10, 874.	1.6	38
24	Binders alternative to Portland cement and waste management for sustainable construction â€™ Part 2. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2018, 16, 207-221.	0.7	45
25	CSA-based Portland-free binders to manufacture sustainable concretes for jointless slabs on ground. <i>Construction and Building Materials</i> , 2018, 187, 691-698.	3.2	31
26	Performance and Compatibility of Phosphonate-Based Superplasticizers for Concrete. <i>Buildings</i> , 2017, 7, 62.	1.4	22
27	Cement-Based Renders Manufactured with Phase-Change Materials: Applications and Feasibility. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-6.	1.0	22
28	Electric arc furnace granulated slag for sustainable concrete. <i>Construction and Building Materials</i> , 2016, 123, 115-119.	3.2	78
29	Concrete manufactured with crushed asphalt as partial replacement of natural aggregates. <i>Materiales De Construccion</i> , 2016, 66, 101.	0.2	33
30	Impact of the associated cation on chloride binding of Portland cement paste. <i>Cement and Concrete Research</i> , 2015, 68, 196-202.	4.6	170
31	Evaluation of the corrosion inhibition of salts of organic acids in alkaline solutions and chloride contaminated concrete. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011, 62, 187-195.	0.8	34
32	Electroosmotic transport in porous construction materials and dehumidification of masonry. <i>Construction and Building Materials</i> , 2009, 23, 254-263.	3.2	42
33	Corrosion inhibitors in reinforced concrete structures Part 1: Preventative technique. <i>Corrosion Engineering Science and Technology</i> , 2004, 39, 219-228.	0.7	23
34	Material for the Engineered Barrier System under Development for the LLW Repository in Italy. <i>Materials Research Society Symposia Proceedings</i> , 2000, 663, 1.	0.1	0
35	Water reducers for the high alumina cement-silica fume system. <i>Materiaux Et Constructions</i> , 1996, 29, 639-644.	0.3	10
36	Mechanical Characterization of Cement Composites Reinforced with Fiberglass, Carbon Nanotubes or Glass Reinforced Plastic (GRP) at High Strain Rates. <i>Applied Mechanics and Materials</i> , 0, 82, 190-195.	0.2	32

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37	Electrical Properties of Carbon Nanotubes Cement Composites for Monitoring Stress Conditions in Concrete Structures. <i>Applied Mechanics and Materials</i> , 0, 82, 118-123.	0.2	88
38	The Rheological and Mechanical Performances of Concrete Manufactured with Blended Admixtures Based on Phosphonates. <i>Key Engineering Materials</i> , 0, 674, 159-164.	0.4	12
39	Durability of Mortars Manufactured with Low-Carbon Binders Exposed to Calcium Chloride-Based De-Icing Salts. <i>Key Engineering Materials</i> , 0, 919, 151-160.	0.4	1