

Martin Cyr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

3,593
citations

35
h-index

58
g-index

100
ext. papers

4,243
ext. citations

6.5
avg, IF

5.8
L-index

#	Paper	IF	Citations
96	Improvement of two-component grouts by the use of ground granulated blast furnace slag. <i>Tunnelling and Underground Space Technology</i> , 2022 , 122, 104369	5.7	0
95	Concrete made of 100% recycled materials - Feasibility study. <i>Resources, Conservation and Recycling</i> , 2022 , 180, 106199	11.9	0
94	Effect of drying temperature on the properties of alkali-activated binders - Recommendations for sample preconditioning. <i>Cement and Concrete Research</i> , 2022 , 151, 106617	10.3	7
93	Titanium in GGBS-like calcium-magnesium-aluminosilicate glasses: Its role in the glass network, dissolution at alkaline pH and surface layer formation. <i>Journal of Non-Crystalline Solids</i> , 2022 , 591, 121708 ⁹	3.9	0
92	External sulfate attack: comparison of several alternative binders. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	3
91	Interactions between alkali-activated ground granulated blastfurnace slag and organic matter in soil stabilization/solidification. <i>Transportation Geotechnics</i> , 2021 , 26, 100412	4	10
90	Phosphoric acid activation of volcanic ashes: Influence of the molar ratio $R = (MgO + CaO) / P_2O_5$ on reactivity of volcanic ash and strength of obtained cementitious material. <i>Journal of Building Engineering</i> , 2021 , 33, 101879	5.2	5
89	Performance-based evaluation of flash-metakaolin as cement replacement in marine structures □ Case of chloride migration and corrosion. <i>Construction and Building Materials</i> , 2021 , 267, 120926	6.7	7
88	Effect of TiO ₂ and 11 minor elements on the reactivity of ground-granulated blast-furnace slag in blended cements. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 128-139	3.8	3
87	Glass structure of industrial ground granulated blast furnace slags (GGBS) investigated by time-resolved Raman and NMR spectroscopies. <i>Journal of Materials Science</i> , 2021 , 56, 17490-17504	4.3	3
86	Robustness to water and temperature, and activation energies of metakaolin-based geopolymer and alkali-activated slag binders. <i>Construction and Building Materials</i> , 2021 , 300, 124066	6.7	4
85	Experimental evidence for the acceleration of slag hydration in blended cements by the addition of CaCl ₂ . <i>Cement and Concrete Research</i> , 2021 , 149, 106558	10.3	4
84	Definition and Exploration of the Integrated CO ₂ Mineralization Technological Cycle. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	3
83	Amorphous phase of volcanic ash and microstructure of cement product obtained from phosphoric acid activation. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	6
82	Ability of the R3 test to evaluate differences in early age reactivity of 16 industrial ground granulated blast furnace slags (GGBS). <i>Cement and Concrete Research</i> , 2020 , 130, 105998	10.3	22
81	Development of a cementitious material for thermal energy storage at low temperature. <i>Construction and Building Materials</i> , 2020 , 242, 118130	6.7	2
80	Stabilization of soils containing sulfates by using alternative hydraulic binders. <i>Applied Geochemistry</i> , 2020 , 113, 104494	3.5	13

79	Investigations on the durability of alkali-activated recycled glass. <i>Construction and Building Materials</i> , 2020 , 236, 117477	6.7	18
78	Microstructural evolution/durability of magnesium phosphate cement paste over time in neutral and basic environments. <i>Cement and Concrete Research</i> , 2019 , 122, 42-58	10.3	20
77	Influence of the initial water content in flash calcined metakaolin-based geopolymer. <i>Construction and Building Materials</i> , 2019 , 201, 421-429	6.7	38
76	Experimental evaluation of two low temperature energy storage prototypes based on innovative cementitious material. <i>Applied Energy</i> , 2018 , 217, 47-55	10.7	10
75	Porous structure optimisation of flash-calcined metakaolin/fly ash geopolymer foam concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2018 , 22, 1482-1498	1.5	14
74	Thermal energy storage based on cementitious materials: A review. <i>AIMS Energy</i> , 2018 , 6, 97-120	1.8	12
73	Durability of dry-mix shotcrete using supplementary cementitious materials. <i>Construction and Building Materials</i> , 2018 , 190, 1-12	6.7	20
72	Reactivity tests for supplementary cementitious materials: RILEM TC 267-TRM phase 1. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018 , 51, 1	3.4	74
71	On the origin of the blue/green color of blast-furnace slag-based materials: Sulfur K-edge XANES investigation. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1707-1716	3.8	19
70	Characterization of fresh dry-mix shotcrete and correlation to rebound. <i>Construction and Building Materials</i> , 2017 , 135, 225-232	6.7	13
69	Rational utilization of volcanic ashes based on factors affecting their alkaline activation. <i>Journal of Non-Crystalline Solids</i> , 2017 , 463, 31-39	3.9	38
68	Service life of metakaolin-based concrete exposed to carbonation. <i>Cement and Concrete Research</i> , 2017 , 99, 18-29	10.3	48
67	Durability and stability of an ettringite-based material for thermal energy storage at low temperature. <i>Cement and Concrete Research</i> , 2017 , 99, 106-115	10.3	28
66	Formulation and characterization of blended alkali-activated materials based on flash-calcined metakaolin, fly ash and GGBS. <i>Construction and Building Materials</i> , 2017 , 144, 50-64	6.7	45
65	Thermomechanical performance of blended metakaolin-GGBS alkali-activated foam concrete. <i>Construction and Building Materials</i> , 2017 , 157, 982-993	6.7	39
64	Modelling and experimental study of low temperature energy storage reactor using cementitious material. <i>Applied Thermal Engineering</i> , 2017 , 110, 601-615	5.8	19
63	Carbonation in the pore solution of metakaolin-based geopolymer. <i>Cement and Concrete Research</i> , 2016 , 88, 227-235	10.3	78
62	An investigation of the leaching behavior of trace elements from Spreader Stoker Coal Fly Ashes-based systems. <i>Construction and Building Materials</i> , 2016 , 110, 218-226	6.7	11

61	Formulation and performance of flash metakaolin geopolymer concretes. <i>Construction and Building Materials</i> , 2016 , 120, 150-160	6.7	58
60	Application of ASR tests to recycled concrete aggregates: Influence of water absorption. <i>Construction and Building Materials</i> , 2016 , 124, 714-721	6.7	17
59	Structural and chemical changes in kaolinite caused by flash calcination: Formation of spherical particles. <i>Applied Clay Science</i> , 2015 , 114, 247-255	5.2	26
58	Characterization of Spreader Stoker Coal Fly Ashes (SSCFA) for their use in cement-based applications. <i>Fuel</i> , 2015 , 162, 224-233	7.1	22
57	Carbonation of Blended Binders Containing Metakaolin. <i>RILEM Bookseries</i> , 2015 , 27-33	0.5	5
56	Effect of the rate of calcination of kaolin on the properties of metakaolin-based geopolymersPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 130-138	2.4	84
55	Self-compacting concrete using flash-metakaolin: design method. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 1717-1737	3.4	6
54	An investigation of CaSi silica fume characteristics and its possible utilization in cement-based and alkali-activated materials. <i>Construction and Building Materials</i> , 2015 , 101, 456-465	6.7	6
53	Alkali-silica reaction in metakaolin-based geopolymer mortar. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 571-583	3.4	50
52	Studies of Natural and Accelerated Carbonation in Metakaolin-Based Geopolymer. <i>Advances in Science and Technology</i> , 2014 , 92, 38-43	0.1	6
51	Properties of low temperature belite cements made from aluminosilicate wastes by hydrothermal method. <i>Cement and Concrete Composites</i> , 2014 , 53, 170-177	8.6	46
50	Comparative study of a chemo-mechanical modeling for alkali silica reaction (ASR) with experimental evidences. <i>Construction and Building Materials</i> , 2014 , 72, 301-315	6.7	22
49	Effect of cement type on metakaolin efficiency. <i>Cement and Concrete Research</i> , 2014 , 64, 63-72	10.3	52
48	Etude de la réactivité hydraulique d'un ciment bûitique synthétisû basse température par la méthode sûhe en utilisant un minûalisateur. <i>MATEC Web of Conferences</i> , 2014 , 11, 01021	0.3	0
47	Performance-based approach to durability of concrete containing flash-calcined metakaolin as cement replacement. <i>Construction and Building Materials</i> , 2014 , 55, 313-322	6.7	48
46	Evaluation and improvement of pozzolanic activity of andesite for its use in eco-efficient cement. <i>Construction and Building Materials</i> , 2013 , 47, 1268-1277	6.7	38
45	Role of the nature of reaction products in the differing behaviours of fine glass powders and coarse glass aggregates used in concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 233-243	3.4	14
44	Characteristics and applications of flash metakaolins. <i>Applied Clay Science</i> , 2013 , 83-84, 253-262	5.2	90

43	Design of eco-efficient grouts intended for soil nailing. <i>Construction and Building Materials</i> , 2013 , 41, 857-867	6.7	7
42	A three-step method for the recovery of aggregates from concrete. <i>Construction and Building Materials</i> , 2013 , 45, 262-269	6.7	12
41	Alkali-silica reaction (ASR) expansion: Pessimism effect versus scale effect. <i>Cement and Concrete Research</i> , 2013 , 44, 25-33	10.3	38
40	A comparison of methods for chemical assessment of reactive silica in concrete aggregates by selective dissolution. <i>Cement and Concrete Composites</i> , 2013 , 37, 82-94	8.6	17
39	Influence of supplementary cementitious materials (SCMs) on concrete durability 2013 , 153-197		8
38	Properties of inorganic polymer (geopolymer) mortars made of glass cullet. <i>Journal of Materials Science</i> , 2012 , 47, 2782-2797	4.3	107
37	Use of metakaolin to stabilize sewage sludge ash and municipal solid waste incineration fly ash in cement-based materials. <i>Journal of Hazardous Materials</i> , 2012 , 243, 193-203	12.8	86
36	Use of metakaolin in grouts intended for soil nailing. <i>MATEC Web of Conferences</i> , 2012 , 2, 02002	0.3	
35	Etude de l'activité pouzzolanique d'une roche andéitique en Algérie. <i>MATEC Web of Conferences</i> , 2012 , 2, 01007	0.3	
34	Quantification of uncertainty of experimental measurement in leaching test on cement-based materials. <i>Journal of Environmental Management</i> , 2011 , 92, 2494-503	7.9	9
33	Optimising an expansion test for the assessment of alkali-silica reaction in concrete structures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2011 , 44, 1641-1653	3.4	8
32	Pozzolanic properties of fine and coarse color-mixed glass cullet. <i>Cement and Concrete Composites</i> , 2011 , 33, 19-29	8.6	135
31	Physical and chemical effects of El Hadjar slag used as an additive in cement-based materials. <i>European Journal of Environmental and Civil Engineering</i> , 2011 , 15, 1413-1432	1.5	16
30	Synthesis of alpha'-L-C2S cement from fly-ash using the hydrothermal method at low temperature and atmospheric pressure. <i>Journal of Hazardous Materials</i> , 2010 , 181, 593-601	12.8	42
29	Quantitative mineralogical composition of complex mineral wastes--contribution of the Rietveld method. <i>Waste Management</i> , 2010 , 30, 378-88	8.6	60
28	Effects of aggregate size and alkali content on ASR expansion. <i>Cement and Concrete Research</i> , 2010 , 40, 508-516	10.3	64
27	Use of fine glass as ASR inhibitor in glass aggregate mortars. <i>Construction and Building Materials</i> , 2010 , 24, 1309-1312	6.7	174
26	Mechanism of ASR reduction by reactive aggregate powders. <i>Advances in Cement Research</i> , 2009 , 21, 147-158	1.8	5

25	Evaluation of laboratory and industrial meat and bone meal combustion residue as cadmium immobilizing material for remediation of polluted aqueous solutions: "chemical and ecotoxicological studies". <i>Journal of Hazardous Materials</i> , 2009 , 166, 945-53	12.8	10
24	Reduction of ASR-expansion using powders ground from various sources of reactive aggregates. <i>Cement and Concrete Composites</i> , 2009 , 31, 438-446	8.6	31
23	Chemothechnical modeling for prediction of alkali silica reaction (ASR) expansion. <i>Cement and Concrete Research</i> , 2009 , 39, 490-500	10.3	98
22	Durability of concrete containing a natural pozzolan as defined by a performance-based approach. <i>Construction and Building Materials</i> , 2009 , 23, 3457-3467	6.7	74
21	Enhancing value of local materials in developing countries. <i>European Journal of Environmental and Civil Engineering</i> , 2009 , 13, 1263-1278	1.5	2
20	Characteristics of industrial and laboratory meat and bone meal ashes and their potential applications. <i>Journal of Hazardous Materials</i> , 2008 , 150, 522-32	12.8	69
19	Coupled effects of aggregate size and alkali content on ASR expansion. <i>Cement and Concrete Research</i> , 2008 , 38, 350-359	10.3	47
18	High-Pressure Device for Fluid Extraction from Porous Materials: Application to Cement-Based Materials. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2653-2658	3.8	41
17	Effects of metakaolin on autogenous shrinkage of cement pastes. <i>Cement and Concrete Composites</i> , 2007 , 29, 80-87	8.6	78
16	Technological and environmental behavior of sewage sludge ash (SSA) in cement-based materials. <i>Cement and Concrete Research</i> , 2007 , 37, 1278-1289	10.3	185
15	A simple way to mitigate alkali-silica reaction. <i>Materials and Structures/Materiaux Et Constructions</i> , 2007 , 41, 73-83	3.4	17
14	Optimization of a high-pressure pore water extraction device. <i>Review of Scientific Instruments</i> , 2007 , 78, 023906	1.7	5
13	Management of mineral wastes in cement-based materials. <i>Revue Européenne De Génie Civil</i> , 2006 , 10, 323-337		3
12	Efficiency of mineral admixtures in mortars: Quantification of the physical and chemical effects of fine admixtures in relation with compressive strength. <i>Cement and Concrete Research</i> , 2006 , 36, 264-277	10.3	201
11	Low risk meat and bone meal (MBM) bottom ash in mortars as sand replacement. <i>Cement and Concrete Research</i> , 2006 , 36, 469-480	10.3	21
10	Mineral admixtures in mortars. <i>Cement and Concrete Research</i> , 2005 , 35, 719-730	10.3	103
9	Mineral admixtures in mortars effect of type, amount and fineness of fine constituents on compressive strength. <i>Cement and Concrete Research</i> , 2005 , 35, 1092-1105	10.3	119
8	Mineral admixtures in mortars. <i>Cement and Concrete Research</i> , 2003 , 33, 1939-1947	10.3	258

7	A discussion of the paper "The effect of measuring procedure on the apparent rheological properties of self-compacting concrete" by Mette R. Geiker, Mari Brandl, Lars N. Thrane, Dirch H. Bager and Olafur Wallevik. <i>Cement and Concrete Research</i> , 2003 , 33, 1901-1903	10.3	6
6	Interpretation of expansion curves of concrete subjected to accelerated alkali-aggregate reaction (AAR) tests. <i>Cement and Concrete Research</i> , 2002 , 32, 691-700	10.3	18
5	Normalized age applied to AAR occurring in concretes with or without mineral admixtures. <i>Cement and Concrete Research</i> , 2002 , 32, 1771-1782	10.3	1
4	Titanium fume and ilmenite fines characterization for their use in cement-based materials. <i>Cement and Concrete Research</i> , 2000 , 30, 1097-1104	10.3	8
3	Study of the shear thickening effect of superplasticizers on the rheological behaviour of cement pastes containing or not mineral additives. <i>Cement and Concrete Research</i> , 2000 , 30, 1477-1483	10.3	171
2	Variation des facteurs d'efficacité caractérisant les additions minérales. <i>Materials and Structures/Materiaux Et Constructions</i> , 2000 , 33, 466-472	3.4	10
1	Physical and chemical effects of El Hadjar slag used as an additive in cement-based materials		2