

Claudiane M Ouellet-Plamondon

List of Publications by Citations

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66
papers

1,309
citations

20
h-index

35
g-index

68
ext. papers

1,691
ext. citations

4.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
66	Artificial aeration to increase pollutant removal efficiency of constructed wetlands in cold climate. <i>Ecological Engineering</i> , 2006 , 27, 258-264	3.9	176
65	Recent progress in the preparation, properties and applications of superhydrophobic nano-based coatings and surfaces: A review. <i>Progress in Organic Coatings</i> , 2019 , 132, 235-256	4.8	164
64	Recent update on the environmental impact of geopolymers. <i>RILEM Technical Letters</i> , 1, 17		151
63	The Ecological Footprint of Mediterranean cities: Awareness creation and policy implications. <i>Environmental Science and Policy</i> , 2017 , 69, 94-104	6.2	90
62	The impact of future scenarios on building refurbishment strategies towards plus energy buildings. <i>Energy and Buildings</i> , 2016 , 124, 153-163	7	70
61	Robust Superhydrophobic Cotton Fibers Prepared by Simple Dip-Coating Approach Using Chemical and Plasma-Etching Pretreatments. <i>ACS Omega</i> , 2019 , 4, 7829-7837	3.9	50
60	Ecological Footprint assessment for targeting climate change mitigation in cities: A case study of 15 Canadian cities according to census metropolitan areas. <i>Journal of Cleaner Production</i> , 2018 , 174, 1032-1043	10.3	42
59	The effect of cationic, non-ionic and amphiphilic surfactants on the intercalation of bentonite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 444, 330-337	5.1	41
58	Life cycle assessment (LCA) of alkali-activated cements and concretes 2015 , 663-686		38
57	Electrical and thermal conductivity of ethylene vinyl acetate composite with graphene and carbon black filler. <i>Polymer Testing</i> , 2018 , 72, 24-31	4.5	36
56	Self-Compacted Clay based Concrete (SCCC): proof-of-concept. <i>Journal of Cleaner Production</i> , 2016 , 117, 160-168	10.3	34
55	Comparison between granular pillared, organo- and inorgano-organobentonites for hydrocarbon and metal ion adsorption. <i>Applied Clay Science</i> , 2012 , 67-68, 91-98	5.2	31
54	The Maya blue nanostructured material concept applied to colouring geopolymers. <i>RSC Advances</i> , 2015 , 5, 98834-98841	3.7	28
53	Performance improvement of EPDM and EPDM/Silicone rubber composites using modified fumed silica, titanium dioxide and graphene additives. <i>Polymer Testing</i> , 2020 , 84, 106281	4.5	25
52	Enhanced plastic deformations of nanofibrillated cellulose film by adsorbed moisture and protein-mediated interactions. <i>Biomacromolecules</i> , 2015 , 16, 311-8	6.9	24
51	Life cycle assessment of emergent masonry blocks. <i>Journal of Cleaner Production</i> , 2018 , 171, 1622-1637	10.3	24
50	Mechanical unfolding of a fluorescent protein enables self-reporting of damage in carbon-fibre-reinforced composites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6231	13	24

49	Acceleration of cement blended with calcined clays. <i>Construction and Building Materials</i> , 2020 , 245, 118489	21
48	Electrical and thermal phenomena in low-density polyethylene/carbon black composites near the percolation threshold. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47043	2.9 21
47	Case study of the upgrade of an existing office building for low energy consumption and low carbon emissions. <i>Energy and Buildings</i> , 2019 , 183, 151-160	7 20
46	Electrical, thermal and rheological properties of low-density polyethylene/ethylene vinyl acetate/graphene-like composite. <i>Composites Part B: Engineering</i> , 2019 , 177, 107288	10 18
45	Estimation of resilient modulus of unbound granular materials used as pavement base: combined effect of grain-size distribution and aggregate source frictional properties. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 4363-4373	3.4 18
44	On bond-slip response and development length of steel bars in pre-cracked concrete. <i>Construction and Building Materials</i> , 2019 , 199, 560-573	6.7 15
43	Comparison of the environmental assessment of an identical office building with national methods. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012037	0.3 10
42	Nanocrystalline Cellulose as Effect Pigment in Clear Coatings for Wood. <i>ISRN Nanomaterials</i> , 2013 , 2013, 1-12	10
41	Alkali-activated binder containing wastes: a study with rice husk ash and red ceramic. <i>Ceramica</i> , 2017 , 63, 44-51	1 9
40	Metal Retention Experiments for the Design of Soil-Mix Technology Permeable Reactive Barriers. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 844-852	1.6 9
39	Predictive Factors of Spiritual Quality of Life during the COVID-19 Pandemic: A Multivariate Analysis. <i>Journal of Religion and Health</i> , 2021 , 60, 1475-1493	2.6 9
38	Methods for Synthesis of Hybrid Nanoparticles 2019 , 51-63	8
37	On mitigating rebar-concrete interface damages due to the pre-cracking phenomena using superabsorbent polymers. <i>Construction and Building Materials</i> , 2020 , 253, 119181	6.7 8
36	Testing Procedures on Materials to Formulate the Ink for 3D Printing. <i>Transportation Research Record</i> , 2020 , 2674, 21-32	1.7 7
35	Comparison of the greenhouse gas emissions of a high-rise residential building assessed with different national LCA approaches ÌEA EBC Annex 72. <i>IOP Conference Series: Earth and Environmental Science</i> , 588 , 022029	0.3 7
34	Experimental assessment of freezing-thawing resistance of rammed earth buildings. <i>Construction and Building Materials</i> , 2021 , 274, 121917	6.7 7
33	Evaluation of the reactivity of treated spent pot lining from primary aluminum production as cementitious materials. <i>Resources, Conservation and Recycling</i> , 2021 , 170, 105584	11.9 6
32	Effect of Graphene on Machinability of Glass Fiber Reinforced Polymer (GFRP). <i>Journal of Manufacturing and Materials Processing</i> , 2019 , 3, 78	2.2 5

31	Electrical and thermal properties of low-density polyethylene/graphene-like composite 2017 ,		5
30	A lean approach to optimize BIM information flow using value stream mapping. <i>Journal of Information Technology in Construction</i> , 2019 , 24, 472-488	2.5	5
29	Effect of Graphene Additive on Flexural and Interlaminar Shear Strength Properties of Carbon Fiber-Reinforced Polymer Composite. <i>Journal of Composites Science</i> , 2020 , 4, 162	3	4
28	Simplified Analytical Model for Interfacial Bond Strength of Deformed Steel Rebars Embedded in Pre-cracked Concrete. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020142	3	4
27	Sustainable preparation of graphene-like hybrid nanomaterials and their application for organic dyes removal. <i>Chemical Engineering Science</i> , 2021 , 236, 116482	4.4	4
26	Numerical simulation of the effective permittivity of low-density polyethylene composite filled by carbon black. <i>IET Nanodielectrics</i> , 2019 , 2, 129-134	2.8	4
25	Reflection on Integrity Management While Engaging with Third Parties in the Construction and Civil Engineering Industry. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2021 , 13, 03720005	1.7	4
24	The effect of air-entraining admixture and superabsorbent polymer on bond behaviour of steel rebar in pre-cracked and self-healed concrete. <i>Construction and Building Materials</i> , 2021 , 281, 122568	6.7	3
23	Implications of using systematic decomposition structures to organize building LCA information: A comparative analysis of national standards and guidelines- IEA EBC ANNEX 72. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022008	0.3	2
22	Enhancement in electrical and thermal performance of high-temperature vulcanized silicone rubber composites for outdoor insulating applications. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49514	2.9	2
21	Characterization, Mix Design, Mechanical Testing of Earth Materials, Stabilized and Unstabilized, for Building Construction 2017 ,		2
20	Soil Mix Technology for Integrated Remediation and Ground Improvement: From Laboratory Work to Field Trials 2012 ,		2
19	Effect of concrete workability on bond properties of steel rebar in pre-cracked concrete. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2021 , 1-14	0.9	2
18	Fresh and hardened properties of GGBS-contained cementitious composites using graphene and graphene oxide. <i>Construction and Building Materials</i> , 2021 , 300, 123902	6.7	2
17	Clay as a Sustainable Binder for Concrete A Review. <i>Construction Materials</i> , 2021 , 1, 134-168		2
16	The impact of carbon-based nanomaterial additions on the hydration reactions and kinetics of GGBS-modified cements. <i>Construction and Building Materials</i> , 2021 , 303, 124366	6.7	2
15	Effects of Nano Organoclay and Wax on the Machining Temperature and Mechanical Properties of Carbon Fiber Reinforced Plastics (CFRP). <i>Journal of Composites Science</i> , 2019 , 3, 85	3	1
14	Environmental Potential of Earth-Based Building Materials: Key Facts and Issues from a Life Cycle Assessment Perspective. <i>RILEM State-of-the-Art Reports</i> , 2022 , 261-296	1.3	1

13	Impact of nature and preparation method of graphene on the electrical behavior of LDPE/Graphene composites 2016 ,		1
12	Artificial neural network for the prediction of the fresh properties of cementitious materials. <i>Cement and Concrete Research</i> , 2022 , 156, 106761	10.3	1
11	Dynamic and Static Yield Stress Determination of Cementitious Paste with Admixtures. <i>RILEM Bookseries</i> , 2020 , 370-378	0.5	0
10	Prediction of the Yield Stress of Printing Mortar Ink. <i>RILEM Bookseries</i> , 2020 , 360-369	0.5	0
9	A Taxonomy of Sources of Waste in BIM Information Flows. <i>Buildings</i> , 2021 , 11, 291	3.2	0
8	Efficient and Recyclable Heterogeneous Catalyst Based on PdNPs Stabilized on a Green-Synthesized Graphene-like Nanomaterial: Effect of Surface Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44673-44685	9.5	0
7	Application of Superabsorbent Polymer as Self-Healing Agent in Self-Consolidating Concrete for Mitigating Precracking Phenomenon at the Rebar-Concrete Interface. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021269	3	0
6	Brewery spent grain derived carbon dots for metal sensing.. <i>RSC Advances</i> , 2022 , 12, 11621-11627	3.7	0
5	D-optimal design of experiments applied to 3D high-performance concrete printing mix design. <i>Materials and Design</i> , 2022 , 218, 110681	8.1	0
4	Durability of Earth Materials: Weathering Agents, Testing Procedures and Stabilisation Methods. <i>RILEM State-of-the-Art Reports</i> , 2022 , 211-241	1.3	
3	Characterization of Earth Used in Earth Construction Materials. <i>RILEM State-of-the-Art Reports</i> , 2022 , 17-81	1.3	
2	First-principles database for fitting a machine-learning silicon interatomic force field. <i>MRS Advances</i> , 2022 , 7, 39-47	0.7	
1	Scenarios to Valorize Treated Spent Pot Lining in Cement and Concrete. <i>Lecture Notes in Civil Engineering</i> , 2023 , 245-249	0.3	