Antonio A Cuadri

List of Publications by Citations

31 papers	700 citations	18 h-index	26 g-index
34 ext. papers	863 ext. citations	5.1 avg, IF	4.52 L-index

#	Paper	IF	Citations
31	Valorization of phosphogypsum waste as asphaltic bitumen modifier. *Journal of Hazardous Materials*, **2014**, 279, 11-6	12.8	61
30	Thermal, thermo-oxidative and thermomechanical degradation of PLA: A comparative study based on rheological, chemical and thermal properties. *Polymer Degradation and Stability*, **2018**, 150, 37-45	4.7	59
29	Thermal, rheological and microstructural characterisation of commercial biodegradable polyesters. *Polymer Testing*, **2013**, 32, 716-723	4.5	50
28	Natural superabsorbent plastic materials based on a functionalized soy protein. *Polymer Testing*, **2017**, 58, 126-134	4.5	47
27	Relation between concentration and shear-extensional rheology properties of xanthan and guar gum solutions. *Carbohydrate Polymers*, **2018**, 181, 63-70	10.3	42
26	Processing of bitumens modified by a bio-oil-derived polyurethane. *Fuel*, **2014**, 118, 83-90	7.1	41
25	The effect of thermal and thermo-oxidative degradation conditions on rheological, chemical and thermal properties of HDPE. *Polymer Degradation and Stability*, **2017**, 141, 11-18	4.7	34
24	Influence of polymer melting point and Melt Flow Index on the performance of ethylene-vinyl-acetate modified bitumen for reduced-temperature application. *Materials and Design*, **2016**, 96, 180-188	8.1	34
23	A natural-based polymeric hydrogel based on functionalized soy protein. *European Polymer Journal*, **2016**, 85, 164-174	5.2	33
22	Formulation and processing of recycled-low-density-polyethylene-modified bitumen emulsions for reduced-temperature asphalt technologies. *Chemical Engineering Science*, **2016**, 156, 197-205	4.4	29
21	Isocyanate-functionalized castor oil as a novel bitumen modifier. *Chemical Engineering Science*, **2013**, 97, 320-327	4.4	28
20	The Effect of Carboxyl Group Content on Water Uptake Capacity and Tensile Properties of Functionalized Soy Protein-Based Superabsorbent Plastics. *Journal of Polymers and the Environment* , **2018**, 26, 2934-2944	4.5	26
19	The development of polyurethane modified bitumen emulsions for cold mix applications. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 3407-3414	3.4	25
18	Influence of the prepolymer molecular weight and free isocyanate content on the rheology of polyurethane modified bitumens. *European Polymer Journal*, **2014**, 57, 151-159	5.2	25
17	Bitumen chemical modification by thiourea dioxide. *Fuel*, **2011**, 90, 2294-2300	7.1	24
16	Chemically modified bitumens with enhanced rheology and adhesion properties to siliceous aggregates. *Construction and Building Materials*, **2015**, 93, 766-774	6.7	22
15	Linear and non-linear viscoelastic behavior of SBS and LDPE modified bituminous mastics. *Construction and Building Materials*, **2016**, 123, 464-472	6.7	20

List of Publications

14	Rheological behaviour of polymer-modified bituminous mastics: A comparative analysis between physical and chemical modification. *Construction and Building Materials*, **2012**, 27, 234-240	6.7	18
13	Bitumen modifiers for reduced temperature asphalts: A comparative analysis between three polymeric and non-polymeric additives. *Construction and Building Materials*, **2014**, 51, 82-88	6.7	15
12	The combined effect of formulation and pH on properties of polyethylene oxide composite fiber containing egg albumen protein. *International Journal of Biological Macromolecules*, **2018**, 112, 996-1004	7.9	10
11	End-performance evaluation of thiourea-modified bituminous binders through viscous flow and linear viscoelasticy testing. *Rheologica Acta*, **2013**, 52, 145-154	2.3	10
10	Effect of transesterification degree and post-treatment on the in-service performance of NCO-functionalized vegetable oil bituminous products. *Chemical Engineering Science*, **2014**, 111, 126-134	4.4	7
9	Influence of Processing Temperature on the Modification Route and Rheological Properties of Thiourea Dioxide-Modified Bitumen. *Energy & Fuels*, **2011**, 25, 4055-4062	4.1	7
8	Enhancing the viscoelastic properties of bituminous binders via thiourea-modification. *Fuel*, **2012**, 97, 862-868	7.1	6
7	Synergistic ethylcellulose/polyphosphoric acid modification of bitumen for paving applications. *Materials and Structures/Materiaux Et Constructions*, **2020**, 53, 1	3.4	6
6	Using Mathcad to facilitate the design of chemical reactors involving multiple reactions. *Computer Applications in Engineering Education*, **2020**, 28, 293-303	1.6	6
5	Development and Characterization of Novel Fibers Based on Potato Protein/Polyethylene Oxide Through Electrospinning. *Fibers and Polymers*, **2019**, 20, 1586-1593	2	5
4	Short- and Long-Term Epoxy Modification of Bitumen: Modification Kinetics, Rheological Properties, and Microstructure. *Polymers*, **2020**, 12,	4.5	4
3	Selection of ethylene-vinyl-acetate properties for modified bitumen with enhanced end-performance. *Rheologica Acta*, **2018**, 57, 71-82	2.3	3
2	Combining vegetable oils and bioactive compounds via inverse vulcanization for antioxidant and antimicrobial materials. *Polymer Testing*, **2022**, 109, 107546	4.5	2
1	Promising Chalcogenide Hybrid Copolymers for Sustainable Applications as Bio-lubricants and Metal Adsorbents. *ACS Applied Polymer Materials*, **2022**, 4, 3667-3675	4.3	1