

MA Delgado

List of Publications by Year in descending order

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42
papers

1,693
citations

304368

22
h-index

301761

39
g-index

43
all docs

43
docs citations

43
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological studies of potential vegetable oil-based lubricants containing environmentally friendly viscosity modifiers. <i>Tribology International</i> , 2014, 69, 110-117.	3.0	195
2	Viscosity modification of different vegetable oils with EVA copolymer for lubricant applications. <i>Industrial Crops and Products</i> , 2010, 32, 607-612.	2.5	167
3	Influence of Soap Concentration and Oil Viscosity on the Rheology and Microstructure of Lubricating Greases. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1902-1910.	1.8	112
4	Low-temperature flow behaviour of vegetable oil-based lubricants. <i>Industrial Crops and Products</i> , 2012, 37, 383-388.	2.5	100
5	Thermorheological behaviour of a lithium lubricating grease. <i>Tribology Letters</i> , 2006, 23, 47-54.	1.2	92
6	Relationship Among Microstructure, Rheology and Processing of a Lithium Lubricating Grease. <i>Chemical Engineering Research and Design</i> , 2005, 83, 1085-1092.	2.7	85
7	Thermal and mechanical characterization of cellulosic derivatives-based oleogels potentially applicable as bio-lubricating greases: Influence of ethyl cellulose molecular weight. <i>Carbohydrate Polymers</i> , 2011, 83, 151-158.	5.1	76
8	Development of new green lubricating grease formulations based on cellulosic derivatives and castor oil. <i>Green Chemistry</i> , 2009, 11, 686.	4.6	74
9	Mixing rheometry for studying the manufacture of lubricating greases. <i>Chemical Engineering Science</i> , 2005, 60, 2409-2418.	1.9	71
10	Viscosity Modification of High-Oleic Sunflower Oil with Polymeric Additives for the Design of New Biolubricant Formulations. <i>Environmental Science & Technology</i> , 2009, 43, 2060-2065.	4.6	71
11	Natural and Synthetic Antioxidant Additives for Improving the Performance of New Biolubricant Formulations. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12917-12924.	2.4	62
12	Viscous, thermal and tribological characterization of oleic and ricinoleic acids-derived estolides and their blends with vegetable oils. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1289-1298.	2.9	50
13	Suitability of ethyl cellulose as multifunctional additive for blends of vegetable oil-based lubricants. <i>Journal of Cleaner Production</i> , 2017, 151, 1-9.	4.6	44
14	Experimental study of grease flow in pipelines: wall slip and air entrainment effects. <i>Chemical Engineering and Processing: Process Intensification</i> , 2005, 44, 805-817.	1.8	39
15	Effect of thermo-mechanical processing on the rheology of oleogels potentially applicable as biodegradable lubricating greases. <i>Chemical Engineering Research and Design</i> , 2008, 86, 1073-1082.	2.7	38
16	Effect of rheological behaviour of lithium greases on the friction process. <i>Industrial Lubrication and Tribology</i> , 2008, 60, 37-45.	0.6	36
17	Rheological and mechanical properties of oleogels based on castor oil and cellulosic derivatives potentially applicable as bio-lubricating greases: Influence of cellulosic derivatives concentration ratio. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 705-711.	2.9	30
18	Rheology of oleogels based on sorbitan and glyceryl monostearates and vegetable oils for lubricating applications. <i>Grasas Y Aceites</i> , 2011, 62, 328-336.	0.3	29

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19	Oleins as a source of estolides for biolubricant applications. <i>Grasas Y Aceites</i> , 2010, 61, 171-174.	0.3	28
20	Modification of Alkali Lignin with Poly(Ethylene Glycol) Diglycidyl Ether to Be Used as a Thickener in Bio-Lubricant Formulations. <i>Polymers</i> , 2018, 10, 670.	2.0	27
21	Thermo-rheological and tribological properties of novel bio-lubricating greases thickened with epoxidized lignocellulosic materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 626-632.	2.9	27
22	On the drag reduction for the two-phase horizontal pipe flow of highly viscous non-Newtonian liquid/air mixtures: Case of lubricating grease. <i>International Journal of Multiphase Flow</i> , 2006, 32, 232-247.	1.6	24
23	Chemical, thermal and viscous characterization of high-oleic sunflower and olive pomace acid oils and derived estolides. <i>Grasas Y Aceites</i> , 2013, 64, 497-508.	0.3	21
24	Transient shear flow of model lithium lubricating greases. <i>Mechanics of Time-Dependent Materials</i> , 2009, 13, 63-80.	2.3	19
25	The use of rosemary extracts in vegetable oil-based lubricants. <i>Industrial Crops and Products</i> , 2014, 62, 474-480.	2.5	19
26	Rheology of epoxidized cellulose pulp gel-like dispersions in castor oil: Influence of epoxidation degree and the epoxide chemical structure. <i>Carbohydrate Polymers</i> , 2018, 199, 563-571.	5.1	19
27	Tribological study of epoxide-functionalized alkali lignin-based gel-like biogreases. <i>Tribology International</i> , 2020, 146, 106231.	3.0	19
28	Viscosity modification of high-oleic sunflower and castor oils with acid oils-derived estolides for lubricant applications. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1173-1182.	1.0	18
29	On the Steady-State Flow and Yielding Behaviour of Lubricating Greases. <i>Fluids</i> , 2019, 4, 6.	0.8	17
30	Preliminary Insights into Electro-Sensitive Ecolubricants: A Comparative Analysis Based on Nanocelluloses and Nanosilicates in Castor Oil. <i>Processes</i> , 2020, 8, 1060.	1.3	11
31	A sustainable methanol-based solvent exchange method to produce nanocellulose-based ecofriendly lubricants. <i>Journal of Cleaner Production</i> , 2021, 319, 128673.	4.6	11
32	Evaluation of wall slip effects in the lubricating grease/air two-phase flow along pipelines. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 139, 190-196.	1.0	8
33	On the Electro-Active Control of Nanocellulose-Based Functional Biolubricants. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46490-46500.	4.0	8
34	Electro-active control of the viscous flow and tribological performance of ecolubricants based on phyllosilicate clay minerals and castor oil. <i>Applied Clay Science</i> , 2020, 198, 105830.	2.6	8
35	Using process simulators in Chemical Engineering education: Is it possible to minimize the "black box" effect?. <i>Computer Applications in Engineering Education</i> , 2020, 28, 1369-1385.	2.2	7
36	Socrative, a powerful digital tool for enriching the teaching-learning process and promoting interactive learning in Chemistry and Chemical Engineering studies. <i>Computer Applications in Engineering Education</i> , 0, , .	2.2	7

#	ARTICLE	IF	CITATIONS
37	Experimental Study on the Expended Energy on Structural Degradation of Lubricating Greases. Tribology Letters, 2022, 70, .	1.2	7
38	Influence of the Nanoclay Concentration and Oil Viscosity on the Rheological and Tribological Properties of Nanoclay-Based Ecolubricants. Lubricants, 2021, 9, 8.	1.2	6
39	Rheological and Tribological Properties of Nanocellulose-Based Ecolubricants. Nanomaterials, 2021, 11, 2987.	1.9	5
40	Fatigue performance evaluation of bitumen mastics reinforced with polyolefins through a dissipated energy approach. Materiales De Construccion, 2020, 70, 217.	0.2	4
41	Processing and Formulation of Lithium Lubricating Greases. AIP Conference Proceedings, 2006, , .	0.3	0
42	Transient Shear Flow of Model Lithium Lubricating Greases. AIP Conference Proceedings, 2008, , .	0.3	0