

Joaquin Lopez

List of Publications by Year in descending order

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52
papers

1,037
citations

471371

17
h-index

434063

31
g-index

52
all docs

52
docs citations

52
times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	Epoxy/POSS organic-inorganic hybrids: ATR-FTIR and DSC studies. <i>European Polymer Journal</i> , 2008, 44, 3035-3045.	2.6	140
2	Thermodegradation kinetics of a hybrid inorganic-organic epoxy system. <i>European Polymer Journal</i> , 2005, 41, 1662-1666.	2.6	64
3	Phase separation and morphology development in a thermoplastic-modified toughened epoxy. <i>European Polymer Journal</i> , 2012, 48, 1660-1673.	2.6	62
4	Effects of a mixture of stabilizers on the structure and mechanical properties of polyethylene during reprocessing. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3910-3916.	1.3	46
5	Isothermal cure kinetics of a diglycidyl ether of bisphenol A/1,3-bisaminomethylcyclohexane (DGEBA/1,3-BAC) epoxy resin system. <i>Journal of Applied Polymer Science</i> , 1995, 56, 1029-1037.	1.3	43
6	Blends of an epoxy/cycloaliphatic amine resin with poly(ether imide). <i>Polymer</i> , 2000, 41, 2657-2666.	1.8	40
7	Isothermal curing by dynamic mechanical analysis of three epoxy resin systems: Gelation and vitrification. <i>Journal of Applied Polymer Science</i> , 2002, 83, 78-85.	1.3	40
8	Corn starch plasticized with isosorbide and filled with microcrystalline cellulose: Processing and characterization. <i>Carbohydrate Polymers</i> , 2019, 206, 726-733.	5.1	40
9	Title is missing!. <i>Magyar Árvad Kémlemezények</i> , 2000, 60, 391-399.	1.4	38
10	Polymer blends based on an epoxy-amine thermoset and a thermoplastic. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 95, 369-376.	2.0	33
11	Study of thermal and morphological properties of a hybrid system, iPP/POSS. Effect of flame retardance. <i>Composites Part B: Engineering</i> , 2014, 58, 566-572.	5.9	32
12	Thermal behaviour of a polyhedral oligomeric silsesquioxane with epoxy resin cured by diamines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 421-429.	2.0	31
13	Thermal decomposition behavior and the mechanical properties of an epoxy/cycloaliphatic amine resin with ABS. <i>European Polymer Journal</i> , 2001, 37, 1613-1623.	2.6	28
14	Blends of acrylonitrile-butadiene-styrene with an epoxy/cycloaliphatic amine resin: Phase-separation behavior and morphologies. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1277-1286.	1.3	24
15	Study of an epoxy system cured with different diamines by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2007, 103, 1759-1768.	1.3	21
16	Study of the crosslink density, dynamo-mechanical behaviour and microstructure of hot and cold SBR vulcanizates. <i>Journal of Polymer Research</i> , 2010, 17, 99-107.	1.2	21
17	Properties and behavior under environmental factors of isosorbide-plasticized starch reinforced with microcrystalline cellulose biocomposites. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2028-2037.	3.6	20
18	Influence of the hydrophilicity of montmorillonite on structure and properties of thermoplastic wheat starch/montmorillonite bionanocomposites. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4479-4489.	1.6	20

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19	Effect of an epoxy octasilsesquioxane on the thermodegradation of an epoxy/amine system. <i>Polymer International</i> , 2010, 59, 112-118.	1.6	19
20	Study of the effect of poly(acrylonitrile-co-butadiene-co-styrene) on the mechanical properties of an epoxy system. <i>Journal of Applied Polymer Science</i> , 2004, 92, 461-467.	1.3	17
21	Use of a sodium ionomer as a compatibilizer in polypropylene/high-barrier ethylene-vinyl alcohol copolymer blends: The processability of the blends and their physical properties. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1763-1770.	1.3	17
22	Thermal degradation of a diglycidyl ether of bisphenol A/1,3-bisaminomethylcyclohexane (DGEBA/1,3-BAC) epoxy resin system. <i>Thermochimica Acta</i> , 1995, 269-270, 253-259.	1.2	16
23	Dynamic mechanical analysis of an epoxy/thermoplastic blend: polymerization-induced phase separation. <i>Polymer International</i> , 2002, 51, 1100-1106.	1.6	16
24	Influence of the molecular weight of a modifier on the phase separation in an epoxy thermoset modified with a thermoplastic. <i>European Polymer Journal</i> , 2014, 58, 125-134.	2.6	16
25	Thermodynamic analysis of phase separation in an epoxy/polystyrene mixture. <i>Polymer</i> , 2005, 46, 6114-6121.	1.8	15
26	Preparation and characterization of bionanocomposite films based on wheat starch and reinforced with cellulose nanocrystals. <i>Cellulose</i> , 2021, 28, 7781-7793.	2.4	14
27	Isothermal cure of an epoxy/cycloaliphatic amine system. Vitrification and gelation. <i>Polymer International</i> , 1995, 38, 353-356.	1.6	13
28	Phase diagram of different epoxy-amine precursors modified with a thermoplastic: Effect of structure of epoxy-amine system on miscibility. <i>Polymer</i> , 2009, 50, 569-577.	1.8	13
29	Microstructure, morphology, and mechanical properties of styrene-butadiene rubber/organoclay nanocomposites. <i>Polymer Engineering and Science</i> , 2011, 51, 1720-1729.	1.5	13
30	Thermodynamic analysis of polymerization-induced phase separation of a polystyrene in epoxy/monoamine-diamine systems. Effect of monoamine-diamine proportion on the phase diagram. <i>European Polymer Journal</i> , 2011, 47, 1676-1685.	2.6	12
31	Enthalpy relaxation in an epoxy-cycloaliphatic amine resin. <i>Colloid and Polymer Science</i> , 2001, 279, 184-189.	1.0	11
32	Characterization of biaxially oriented polypropylene films by atomic force microscopy and microthermal analysis. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1553-1561.	1.3	11
33	Phase Diagram for a System of Polydisperse Components Consisting of the Precursor of an Epoxy/Diamine Thermoset and a Thermoplastic: Analysis Based on a Lattice Theory Model. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 487-496.	0.6	11
34	Thermal behavior of blends based on a thermoplastic-modified epoxy resin with a crosslinking density variation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 599-606.	2.0	11
35	Analysis of blends of poly(styrene-co-acrylonitrile) with an epoxy/aromatic amine resin using scanning thermal microscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 284-289.	2.4	9
36	Selection of a precursor of a monofunctional polyhedral oligomeric silsesquioxane reacted with aromatic diamines. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1576-1583.	1.3	9

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37	Characterization of an ABS-modified epoxy system. Polymer International, 2002, 51, 1268-1276.	1.6	8
38	Mechanism of Thermal Degradation of an Inorganic-Organic Hybrid Based on an Epoxy-POSS. Macromolecular Symposia, 2008, 267, 74-78.	0.4	8
39	Exfoliated/intercalated silicate/hot styrene butadiene rubber nanocomposites: Structure-properties relationship. Journal of Applied Polymer Science, 2012, 125, E705.	1.3	7
40	Isosorbide plasticized corn starch filled with poly(3-hydroxybutyrate-co-3-hydroxyvalerate) microparticles: Properties and behavior under environmental factors. International Journal of Biological Macromolecules, 2022, 202, 345-353.	3.6	6
41	Epoxy resin modified with a thermoplastic. Journal of Thermal Analysis and Calorimetry, 2010, 99, 75-81.	2.0	5
42	Dynamic mechanical analysis. Journal of Thermal Analysis, 1995, 45, 1167-1174.	0.7	4
43	Study of the physical aging of an epoxy/cycloaliphatic amine resin modified with abs. Magyar Árvilág Kémiai Szemle, 2002, 70, 85-92.	1.4	4
44	Simulation of molecular fractionation and species distributions in phase separation of polystyrene-modified epoxy/monoamine-diamine blends. European Polymer Journal, 2011, 47, 2432-2441.	2.6	4
45	Thermodynamic Analysis of Phase Separation of a Thermoplastic in the Precursors of Different Epoxy-Amine Systems. Macromolecular Symposia, 2008, 274, 123-130.	0.4	2
46	Kinetic of epoxy resin formation by high-performance liquid chromatography. Journal of Applied Polymer Science, 2003, 89, 497-504.	1.3	1
47	Thermodynamic analysis of phase separation of a thermoplastic in a variant epoxy/monoamine-diamine system: influence of epoxy molecular structure. Journal of Polymer Engineering, 2011, 31, .	0.6	1
48	Dense Matrix Multiplication Algorithms and Performance Evaluation of HPCC in 81 Nodes IBM Power 8 Architecture. Computation, 2021, 9, 86.	1.0	1
49	Morphology of Different Epoxy-Amine Systems Modified with a Thermoplastic: Influence of Temperature, Thermoplastic Concentration and Molecular Structure of Epoxy Systems. Macromolecular Symposia, 2008, 267, 90-94.	0.4	0
50	TERMINOLOGY AND CONCEPTS OF THE NEW INDUSTRY FOR ENGINEERING STUDENTS. EDULEARN Proceedings, 2021, , .	0.0	0
51	Study on Dense Matrix Multiplication Algorithms and Performance Evaluation of HPCC in 81 Nodes IBM Power 8 Architecture. , 2021, , 105-125.		0
52	APPROACH TO PHYSICS AND TECHNOLOGY, THROUGH ITS APPLICATIONS, TO STUDENTS IN THE FIRST YEAR OF DEGREES IN INDUSTRIAL ENGINEERING. EDULEARN Proceedings, 2022, , .	0.0	0