

Juan Baselga Llido

List of Publications by Year in descending order

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91
papers

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201674

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docs citations

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times ranked

2845
citing authors

#	ARTICLE	IF	CITATIONS
1	Interphases in Graphene Polymer-based Nanocomposites: Achievements and Challenges. <i>Advanced Materials</i> , 2011, 23, 5302-5310.	21.0	272
2	Effect of Glass Fiber Surface Treatments on Mechanical Strength of Epoxy Based Composite Materials. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 251-260.	9.4	105
3	Electromagnetic Shielding Materials in GHz Range. <i>Chemical Record</i> , 2018, 18, 1000-1009.	5.8	105
4	Elastic properties of highly crosslinked polyacrylamide gels. <i>Macromolecules</i> , 1987, 20, 3060-3065.	4.8	92
5	Synergistic effect of magnetite nanoparticles and carbon nanofibres in electromagnetic absorbing composites. <i>Carbon</i> , 2014, 74, 63-72.	10.3	82
6	Ultra-light carbon nanotube sponge as an efficient electromagnetic shielding material in the GHz range. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 698-704.	2.4	78
7	Polyacrylamide networks. sequence distribution of crosslinker. <i>European Polymer Journal</i> , 1988, 24, 161-165.	5.4	58
8	Network defects in polyacrylamide gels. <i>European Polymer Journal</i> , 1989, 25, 471-475.	5.4	57
9	Development of Cocontinuous Morphologies in Initially Heterogeneous Thermosets Blended with Poly(methyl methacrylate). <i>Macromolecules</i> , 2005, 38, 961-970.	4.8	57
10	Following in situ photoinitiated polymerization of multifunctional acrylic monomers by fluorescence and photocalorimetry simultaneously. <i>Polymer</i> , 2002, 43, 5355-5361.	3.8	56
11	Polyacrylamide gels. Process of network formation. <i>European Polymer Journal</i> , 1989, 25, 477-480.	5.4	53
12	Polyacrylamide networks. Kinetic and structural studies by high field ¹ H-NMR with polymerization in situ. <i>European Polymer Journal</i> , 1987, 23, 551-555.	5.4	52
13	Water absorption in polyaminosiloxane-epoxy thermosetting polymers. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 311-315.	6.3	50
14	Effect of Crosslinker on Swelling and Thermodynamic Properties of Polyacrylamide Gels. <i>Polymer Journal</i> , 1989, 21, 467-474.	2.7	43
15	Microstructural and wettability study of surface pretreated glass fibres. <i>Journal of Materials Processing Technology</i> , 1999, 92-93, 129-134.	6.3	43
16	Fluorescence monitoring of polymerization reaction. A new method for treating fluorescence experimental data. <i>Polymer</i> , 2002, 43, 4331-4339.	3.8	42
17	Carbon nanotube scaffolds with controlled porosity as electromagnetic absorbing materials in the gigahertz range. <i>Nanoscale</i> , 2016, 8, 10724-10730.	5.6	42
18	Photochemical Sensing of Semicrystalline Morphology in Polymers: Pyrene in Polyethylene. <i>Macromolecules</i> , 1997, 30, 4871-4876.	4.8	41

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19	Kinetic study of epoxy curing in the glass fiber/epoxy interface using dansyl fluorescence. <i>Journal of Colloid and Interface Science</i> , 2003, 267, 117-126.	9.4	41
20	Advanced Self-Healing Asphalt Composites in the Pavement Performance Field: Mechanisms at the Nano Level and New Repairing Methodologies. <i>Recent Patents on Nanotechnology</i> , 2015, 9, 43-50.	1.3	41
21	Surface characterization of silanized glass fibers by labeling with environmentally sensitive fluorophores. <i>Journal of Applied Polymer Science</i> , 1996, 62, 375-384.	2.6	39
22	Confocal microscopy study of phase morphology evolution in epoxy/polysiloxane thermosets. <i>Polymer</i> , 2005, 46, 6633-6639.	3.8	38
23	Modulating the electromagnetic shielding mechanisms by thermal treatment of high porosity graphene aerogels. <i>Carbon</i> , 2019, 147, 27-34.	10.3	38
24	Effect of nitrogen and oxygen doped carbon nanotubes on flammability of epoxy nanocomposites. <i>Carbon</i> , 2017, 121, 193-200.	10.3	36
25	Glass transition temperature of low molecular weight poly(3-aminopropyl methyl siloxane). A molecular dynamics study. <i>Polymer</i> , 2002, 43, 6049-6055.	3.8	30
26	$\hat{\Gamma}^3$ -Alumina Modification with Long Chain Carboxylic Acid Surface Nanocrystals for Biocompatible Polysulfone Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14460-14468.	8.0	30
27	Molecular probe technique for determining local thermal transitions: The glass transition at Silica/PMMA nanocomposite interfaces. <i>Polymer</i> , 2010, 51, 4891-4898.	3.8	27
28	Studies of polymerization of acrylic monomers using luminescence probes and differential scanning calorimetry. <i>Polymer Engineering and Science</i> , 1996, 36, 175-181.	3.1	26
29	Morphology of Epoxy/Polyorganosiloxane Reactive Blends. <i>Macromolecular Rapid Communications</i> , 2001, 22, 694-699.	3.9	26
30	Hydrolytic damage study of the silane coupling region in coated silica microfibrils: pH and coating type effects. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 82-86.	6.3	26
31	Solvent and Temperature Effects on Polymer-Coated Glass Fibers. Fluorescence of the Dansyl Moiety. <i>Journal of Fluorescence</i> , 2001, 11, 307-314.	2.5	25
32	An efficient method for the carboxylation of few-wall carbon nanotubes with little damage to their sidewalls. <i>Materials Chemistry and Physics</i> , 2013, 140, 499-507.	4.0	24
33	Fluorescent Probes for Monitoring the UV Curing of Acrylic Adhesives, 1. FTIR and Fluorescence in Real Time. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1924-1934.	2.2	23
34	Fluorescent labels to study thermal transitions in epoxy/silica composites. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 71-78.	9.4	23
35	Facile and rapid decoration of graphene oxide with copper double salt, oxides and metallic copper as catalysts in oxidation and coupling reactions. <i>Carbon</i> , 2020, 161, 7-16.	10.3	23
36	Fluorescence labels to monitor water absorption in epoxy resins. <i>Polymer</i> , 2003, 44, 653-659.	3.8	22

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37	Photoluminescence of Bridged Silsesquioxanes Containing Urea or Urethane Groups with Nanostructures Generated by the Competition between the Rates of Self-Assembly of Organic Domains and the Inorganic Polycondensation. <i>Macromolecules</i> , 2006, 39, 3794-3801.	4.8	21
38	Magnetic nanocomposites based on hydrogenated epoxy resin. <i>Materials Chemistry and Physics</i> , 2012, 132, 618-624.	4.0	21
39	Interfacial characterization of epoxy/silica nanocomposites measured by fluorescence. <i>European Polymer Journal</i> , 2015, 62, 31-42.	5.4	20
40	Reactive compatibilization of epoxy/polyorganosiloxane blends. <i>Macromolecular Symposia</i> , 2003, 198, 283-294.	0.7	17
41	Chemical Imaging of Phase-Separated Polymer Blends by Fluorescence Microscopy. <i>Journal of Fluorescence</i> , 2000, 10, 135-135.	2.5	16
42	Limiting thickness estimation in polycarbonate lenses injection using CAE tools. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 438-441.	6.3	16
43	Photophysics of a pyrene probe grafted onto silanized glass fiber surfaces. <i>Journal of Luminescence</i> , 1997, 72-74, 451-453.	3.1	15
44	Preparation of cycloaliphatic epoxy hybrids with non-conventional amine-curing agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 103, 717-723.	3.6	15
45	Fluorescence method using labeled chromophores to study the curing kinetics of a polyurethane system. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2992-3000.	2.6	14
46	FLUORESCENCE MONITORING OF CURING PROCESS AND WATER ACCESSIBILITY AT GLASS FIBER/EPOXY INTERPHASE ON COMPOSITE MATERIALS. <i>Journal of Macromolecular Science - Physics</i> , 2001, 40, 429-441.	1.0	13
47	Ultraviolet curing of acrylic systems: Real-time Fourier transform infrared, mechanical, and fluorescence studies. <i>Journal of Polymer Science Part A</i> , 2002, 40, 4236-4244.	2.3	13
48	Diffusion control on the cure kinetics of DGEBA with ethylenediamines. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 546-550.	6.3	13
49	MONITORING OF CURING PROCESS BY FLUORESCENCE TECHNIQUE. FLUORESCENCE PROBE AND LABEL BASED ON 5-DIMETHYLAMINONAPHTHALENE-1-SULFONAMIDE DERIVATIVES (DNS). <i>Journal of Macromolecular Science - Physics</i> , 2001, 40, 405-428.	1.0	12
50	Fluorescence probe label methodology for in situ monitoring network forming reactions. <i>European Polymer Journal</i> , 2002, 38, 2393-2404.	5.4	12
51	Pyrene-Doped Polyorganosiloxane Layers over Commercial Glass Fibers. <i>Journal of Fluorescence</i> , 1999, 9, 51-57.	2.5	11
52	Fluorescence Lifetime Distributions of Labeled Amorphous Polymers in Bulk. <i>Polymer Journal</i> , 2002, 34, 905-910.	2.7	11
53	The Effect of Surface Modification of Silica Microfillers in an Epoxy Matrix on the Thermo-mechanical Properties. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 1443-1459.	2.6	11
54	Effect of polysulfone brush functionalization on thermo-mechanical properties of melt extruded graphene/polysulfone nanocomposites. <i>Carbon</i> , 2019, 151, 84-93.	10.3	11

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55	High Ampacity Carbon Nanotube Materials. <i>Nanomaterials</i> , 2019, 9, 383.	4.1	11
56	Title is missing!. <i>Journal of Fluorescence</i> , 2000, 10, 141-141.	2.5	10
57	Micromorphology and Relaxation Processes of Low Density Polyethylene Probed by Fluorescence Spectroscopys. <i>Current Organic Chemistry</i> , 2003, 7, 197-211.	1.6	10
58	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The "anion effect" and the control of the degree of surface crystallinity and diameter. <i>Carbon</i> , 2018, 139, 1027-1034.	10.3	10
59	Phase-separated polymer blends: Complementary studies between scanning electron microscopy, epifluorescence microscopy, and fluorescence microspectroscopy. <i>Journal of Applied Polymer Science</i> , 2001, 80, 949-955.	2.6	9
60	A fluorescence method to estimate the distribution of stresses in polymer materials. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 495-500.	6.3	9
61	Kinetic study of the cure process at the silica microfibres/epoxy interface using pyrene fluorescence response. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 153-157.	6.3	9
62	Compression elastic modulus of neutral, ionic, and amphoteric hydrogels based on <i>N-vinylimidazole</i> . <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1078-1087.	2.1	9
63	Carbon nanotube-Cu hybrids enhanced catalytic activity in aqueous media. <i>Carbon</i> , 2014, 78, 10-18.	10.3	9
64	Water absorption in epoxy resins by electronic energy transfer. <i>Polymer International</i> , 2002, 51, 1207-1210.	3.1	7
65	Effect of the morphology of two phase polymer blends on glass transition temperature. <i>Journal of Materials Processing Technology</i> , 2003, 141, 123-126.	6.3	7
66	Curing of polymer matrix composites. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 332-336.	6.3	7
67	Modelling auto-acceleration in DGEBA/diamine systems. <i>Macromolecular Symposia</i> , 2003, 200, 111-120.	0.7	7
68	Curing of linear and crosslinked epoxy systems: A fluorescence study with dansyl derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 64-78.	2.1	7
69	The use of 9-anthroic acid and new amide derivatives to monitorize curing of epoxy resins. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 851-855.	6.3	6
70	Synthesis of novel nanoreinforcements for polymer matrices by ATRP: Triblock poly(rotaxan)s based in polyethyleneglycol end-caped with poly(methyl methacrylate). <i>Polymer</i> , 2009, 50, 5884-5891.	3.8	6
71	The effect of polymer grafting in the dispersibility of alumina/polysulfone nanocomposites. <i>Macromolecular Research</i> , 2017, 25, 11-20.	2.4	6
72	Morphology of phase separated blends of poly(cyclohexyl methacrylate) with poly(vinyl acetate). <i>Journal of Applied Polymer Science</i> , 2003, 89, 1284-1290.	2.6	5

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73	Nanoindentation and wear behavior of thermally stable biocompatible polysulfoneâ€“alumina nanocomposites. RSC Advances, 2016, 6, 100239-100247.	3.6	5
74	Magnetoâ€“Mechanical Surfaces Design. Chemical Record, 2018, 18, 1010-1019.	5.8	5
75	A bio-inspired EAP actuator design methodology. , 2005, , .		4
76	Fluorescence probes the early formation of network at the interface of epoxyâ€“silica nanocomposite during curing. Materials Letters, 2014, 137, 460-463.	2.6	4
77	Critical thickness estimation in ISO-MC cards injection using CAE tools. Journal of Materials Processing Technology, 2003, 143-144, 491-494.	6.3	3
78	Rubber-modified epoxy resins cured with piperidine. European Polymer Journal, 1992, 28, 1135-1139.	5.4	2
79	Host/Guest Simulation of Fluorescent Probes Adsorbed into Low-Density Polyethylene, 1. Excimer Formation of 1,3-Di(1-pyrenyl)propane. Macromolecular Theory and Simulations, 2001, 10, 808-815.	1.4	2
80	Compression elastic modulus of neutral and protonated poly(N-vinylimidazole) hydrogels. Macromolecular Symposia, 2003, 200, 235-242.	0.7	2
81	Toward standardization of EAP actuators test procedures. , 2005, 5759, 274.		2
82	Critical examination of chemically modified hybrid thermosets: Synthesis, characterization and mechanical behavior in the plateau regime of polyaminosiloxane-nitrile-DGEBA. Polymer, 2015, 69, 178-185.	3.8	2
83	Jet Milling as an Alternative Processing Technique for Preparing Polysulfone Hard Nanocomposites. Advances in Materials Science and Engineering, 2019, 2019, 1-8.	1.8	2
84	Fluorescence of Polymers at Interfaces: Polymerization, Relaxations, and Imaging. Reviews in Fluorescence, 2012, , 311-347.	0.5	2
85	Spectroscopic Analysis of Epoxy/Thermoplastic Blends. , 2016, , 1-30.		2
86	DegradaciÃ³n hidrolÃ©tica de recubrimientos polisiloxÃ¡nicos de fibras de vidrio. Boletín De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 425-430.	1.9	2
87	Stressâ€“strain behavior of polyacrylamide networks. Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 369-382.	0.6	1
88	A luminescence study of microstructure development and melting/crystallization processes in low density polyethylene (LDPE). Journal of Non-Crystalline Solids, 1998, 235-237, 554-558.	3.1	1
89	<title>Actuator design using electroactive polymers</title>. , 2005, , .		1
90	Spectroscopic Analysis of Epoxy/Thermoplastic Blends. , 2017, , 583-612.		0

#	ARTICLE	IF	CITATIONS
91	Photocatalytic Behavior of Supported Copper Double Salt: The Role of Graphene Oxide. Journal of Chemistry, 2022, 2022, 1-9.	1.9	0