Juan Baselga Llido

List of Publications by Year
in descending order

91	2,314	230014	263392
papers	citations	27 h-index	45 g-index

91	91	91	3230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic Behavior of Supported Copper Double Salt: The Role of Graphene Oxide. Journal of Chemistry, 2022, 2022, 1-9.	0.9	0
2	Facile and rapid decoration of graphene oxide with copper double salt, oxides and metallic copper as catalysts in oxidation and coupling reactions. Carbon, 2020, 161, 7-16.	5.4	23
3	Jet Milling as an Alternative Processing Technique for Preparing Polysulfone Hard Nanocomposites. Advances in Materials Science and Engineering, 2019, 2019, 1-8.	1.0	2
4	Effect of polysulfone brush functionalization on thermo-mechanical properties of melt extruded graphene/polysulfone nanocomposites. Carbon, 2019, 151, 84-93.	5.4	11
5	High Ampacity Carbon Nanotube Materials. Nanomaterials, 2019, 9, 383.	1.9	11
6	Modulating the electromagnetic shielding mechanisms by thermal treatment of high porosity graphene aerogels. Carbon, 2019, 147, 27-34.	5.4	38
7	Magnetoâ€Mechanical Surfaces Design. Chemical Record, 2018, 18, 1010-1019.	2.9	5
8	Electromagnetic Shielding Materials in GHz Range. Chemical Record, 2018, 18, 1000-1009.	2.9	105
9	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The â€œonion effectâ€•and the control of the degree of surface crystallinity and diameter. Carbon, 2018, 139, 1027-1034.	5.4	10
10	Effect of nitrogen and oxygen doped carbon nanotubes on flammability of epoxy nanocomposites. Carbon, 2017, 121, 193-200.	5.4	36
11	The effect of polymer grafting in the dispersibility of alumina/polysulfone nanocomposites. Macromolecular Research, 2017, 25, 11-20.	1.0	6
12	Spectroscopic Analysis of Epoxy/Thermoplastic Blends. , 2017, , 583-612.		0
13	Carbon nanotube scaffolds with controlled porosity as electromagnetic absorbing materials in the gigahertz range. Nanoscale, 2016, 8, 10724-10730.	2.8	42
14	Nanoindentation and wear behavior of thermally stable biocompatible polysulfoneâ€“alumina nanocomposites. RSC Advances, 2016, 6, 100239-100247.	1.7	5
15	Spectroscopic Analysis of Epoxy/Thermoplastic Blends. , 2016, , 1-30.		2
16	Advanced Self-Healing Asphalt Composites in the Pavement Performance Field: Mechanisms at the Nano Level and New Repairing Methodologies. Recent Patents on Nanotechnology, 2015, 9, 43-50.	0.7	41
17	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.	1.8	2
18	Interfacial characterization of epoxy/silica nanocomposites measured by fluorescence. European Polymer Journal, 2015, 62, 31-42.	2.6	20

#	Article	IF	Citations
19	Fluorescence probes the early formation of network at the interface of epoxyâ€“silica nanocomposite during curing. Materials Letters, 2014, 137, 460-463.	1.3	4
20	Synergistic effect of magnetite nanoparticles and carbon nanofibres in electromagnetic absorbing composites. Carbon, 2014, 74, 63-72.	5.4	82
21	Î³-Alumina Modification with Long Chain Carboxylic Acid Surface Nanocrystals for Biocompatible Polysulfone Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 14460-14468.	4.0	30
22	Carbon nanotube-Cu hybrids enhanced catalytic activity in aqueous media. Carbon, 2014, 78, 10-18.	5.4	9
23	Ultra-light carbon nanotube sponge as an efficient electromagnetic shielding material in the GHz range. Physica Status Solidi - Rapid Research Letters, 2014, 8, 698-704.	1.2	78
24	An efficient method for the carboxylation of few-wall carbon nanotubes with little damage to their sidewalls. Materials Chemistry and Physics, 2013, 140, 499-507.	2.0	24
25	Magnetic nanocomposites based on hydrogenated epoxy resin. Materials Chemistry and Physics, 2012, 132, 618-624.	2.0	21
26	Fluorescence of Polymers at Interfaces: Polymerization, Relaxations, and Imaging. Reviews in Fluorescence, 2012, , 311-347.	0.5	2
27	Preparation of cycloaliphatic epoxy hybrids with non-conventional amine-curing agents. Journal of Thermal Analysis and Calorimetry, 2011, 103, 717-723.	2.0	15
28	Interphases in Graphene Polymerâ€based Nanocomposites: Achievements and Challenges. Advanced Materials, 2011, 23, 5302-5310.	11.1	272
29	Molecular probe technique for determining local thermal transitions: The glass transition at Silica/PMMA nanocomposite interfaces. Polymer, 2010, 51, 4891-4898.	1.8	27
30	Compression elastic modulus of neutral, ionic, and amphoteric hydrogels based on Nâ€vinylimidazole. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1078-1087.	2.4	9
31	Synthesis of novel nanoreinforcements for polymer matrices by ATRP: Triblock poly(rotaxan)s based in polyethyleneglycol end-caped with poly(methyl methacrylate). Polymer, 2009, 50, 5884-5891.	1.8	6
32	The Effect of Surface Modification of Silica Microfillers in an Epoxy Matrix on the Thermo-mechanical Properties. Journal of Adhesion Science and Technology, 2008, 22, 1443-1459.	1.4	11
33	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. Macromolecules, 2006, 39, 3794-3801.	2.2	21
34	Toward standardization of EAP actuators test procedures. , 2005, 5759, 274.		2
35	Confocal microscopy study of phase morphology evolution in epoxy/polysiloxane thermosets. Polymer, 2005, 46, 6633-6639.	1.8	38
36	A bio-inspired EAP actuator design methodology. , 2005, , .		4

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37	<title>Actuator design using electroactive polymers</title>. , 2005, , .		1
38	Development of Cocontinuous Morphologies in Initially Heterogeneous Thermosets Blended with Poly(methyl methacrylate). Macromolecules, 2005, 38, 961-970.	2.2	57
39	Curing of linear and crosslinked epoxy systems: A fluorescence study with dansyl derivatives. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 64-78.	2.4	7
40	Fluorescent labels to study thermal transitions in epoxy/silica composites. Journal of Colloid and Interface Science, 2004, 277, 71-78.	5.0	23
41	Morphology of phase separated blends of poly(cyclohexyl methacrylate) with poly(vinyl acetate). Journal of Applied Polymer Science, 2003, 89, 1284-1290.	1.3	5
42	Kinetic study of epoxy curing in the glass fiber/epoxy interface using dansyl fluorescence. Journal of Colloid and Interface Science, 2003, 267, 117-126.	5.0	41
43	Fluorescence labels to monitor water absorption in epoxy resins. Polymer, 2003, 44, 653-659.	1.8	22
44	Effect of the morphology of two phase polymer blends on glass transition temperature. Journal of Materials Processing Technology, 2003, 141, 123-126.	3.1	7
45	Critical thickness estimation in ISO-MC cards injection using CAE tools. Journal of Materials Processing Technology, 2003, 143-144, 491-494.	3.1	3
46	A fluorescence method to estimate the distribution of stresses in polymer materials. Journal of Materials Processing Technology, 2003, 143-144, 495-500.	3.1	9
47	Hydrolytic damage study of the silane coupling region in coated silica microfibres: pH and coating type effects. Journal of Materials Processing Technology, 2003, 143-144, 82-86.	3.1	26
48	Diffusion control on the cure kinetics of DGEBA with ethylenediamines. Journal of Materials Processing Technology, 2003, 143-144, 546-550.	3.1	13
49	The use of 9-anthroic acid and new amide derivatives to monitorize curing of epoxy resins. Journal of Materials Processing Technology, 2003, 143-144, 851-855.	3.1	6
50	Kinetic study of the cure process at the silica microfibres/epoxy interface using pyrene fluorescence response. Journal of Materials Processing Technology, 2003, 143-144, 153-157.	3.1	9
51	Limiting thickness estimation in polycarbonate lenses injection using CAE tools. Journal of Materials Processing Technology, 2003, 143-144, 438-441.	3.1	16
52	Curing of polymer matrix composites. Journal of Materials Processing Technology, 2003, 143-144, 332-336.	3.1	7
53	Water absorption in polyaminosiloxane-epoxy thermosetting polymers. Journal of Materials Processing Technology, 2003, 143-144, 311-315.	3.1	50
54	Compression elastic modulus of neutral and protonated poly(N-vinylimidazole) hydrogels. Macromolecular Symposia, 2003, 200, 235-242.	0.4	2

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55	Reactive compatibilization of epoxy/polyorganosiloxane blends. Macromolecular Symposia, 2003, 198, 283-294.	0.4	17
56	Micromorphology and Relaxation Processes of Low Density Polyethylene Probed by Fluorescence Spectroscopys. Current Organic Chemistry, 2003, 7, 197-211.	0.9	10
57	Modelling auto-acceleration in DGEBA/diamine systems. Macromolecular Symposia, 2003, 200, 111-120.	0.4	7
58	Fluorescence Lifetime Distributions of Labeled Amorphous Polymers in Bulk. Polymer Journal, 2002, 34, 905-910.	1.3	11
59	Fluorescence method using labeled chromophores to study the curing kinetics of a polyurethane system. Journal of Applied Polymer Science, 2002, 86, 2992-3000.	1.3	14
60	Effect of Glass Fiber Surface Treatments on Mechanical Strength of Epoxy Based Composite Materials. Journal of Colloid and Interface Science, 2002, 250, 251-260.	5.0	105
61	Water absorption in epoxy resins by electronic energy transfer. Polymer International, 2002, 51, 1207-1210.	1.6	7
62	Ultraviolet curing of acrylic systems: Real-time Fourier transform infrared, mechanical, and fluorescence studies. Journal of Polymer Science Part A, 2002, 40, 4236-4244.	2.5	13
63	Fluorescence monitoring of polymerization reaction. A new method for treating fluorescence experimental data. Polymer, 2002, 43, 4331-4339.	1.8	42
64	Glass transition temperature of low molecular weight poly(3-aminopropyl methyl siloxane). A molecular dynamics study. Polymer, 2002, 43, 6049-6055.	1.8	30
65	Following in situ photoinitiated polymerization of multifunctional acrylic monomers by fluorescence and photocalorimetry simultaneously. Polymer, 2002, 43, 5355-5361.	1.8	56
66	Fluorescence probeâ€“label methodology for in situ monitoring network forming reactions. European Polymer Journal, 2002, 38, 2393-2404.	2.6	12
67	Phase-separated polymer blends: Complementary studies between scanning electron microscopy, epifluorescence microscopy, and fluorescence microspectroscopy. Journal of Applied Polymer Science, 2001, 80, 949-955.	1.3	9
68	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.	0.6	2
69	Morphology of Epoxy/Polyorganosiloxane Reactive Blends. Macromolecular Rapid Communications, 2001, 22, 694-699.	2.0	26
70	Fluorescent Probes for Monitoring the UV Curing of Acrylic Adhesives, 1. FTIR and Fluorescence in Real Time. Macromolecular Chemistry and Physics, 2001, 202, 1924-1934.	1.1	23
71	Solvent and Temperature Effects on Polymer-Coated Glass Fibers. Fluorescence of the Dansyl Moiety. Journal of Fluorescence, 2001, 11, 307-314.	1.3	25
72	FLUORESCENCE MONITORING OF CURING PROCESS AND WATER ACCESSIBILITY AT GLASS FIBER/EPOXY INTERPHASE ON COMPOSITE MATERIALS. Journal of Macromolecular Science - Physics, 2001, 40, 429-441.	0.4	13

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73	MONITORING OF CURING PROCESS BY FLUORESCENCE TECHNIQUE. FLUORESCENCE PROBE AND LABEL BASED ON 5-DIMETHYLAMINONAPHTHALENE-1-SULFONAMIDE DERIVATIVES (DNS). Journal of Macromolecular Science - Physics, 2001, 40, 405-428.	0.4	12
74	Chemical Imaging of Phase-Separated Polymer Blends by Fluorescence Microscopy. Journal of Fluorescence, 2000, 10, 135-135.	1.3	16
75	Title is missing!. Journal of Fluorescence, 2000, 10, 141-141.	1.3	10
76	DegradaciÃ³n hidrolÃtica de recubrimientos polisiloxÃ¡nicos de fibras de vidrio. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 425-430.	0.9	2
77	Microstructural and wettability study of surface pretreated glass fibres. Journal of Materials Processing Technology, 1999, 92-93, 129-134.	3.1	43
78	Pyrene-Doped Polyorganosiloxane Layers over Commercial Glass Fibers. Journal of Fluorescence, 1999, 9, 51-57.	1.3	11
79	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.	1.5	1
80	Photochemical Sensing of Semicrystalline Morphology in Polymers:Â Pyrene in Polyethylene. Macromolecules, 1997, 30, 4871-4876.	2.2	41
81	Photophysics of a pyrene probe grafted onto silanized glass fiber surfaces. Journal of Luminescence, 1997, 72-74, 451-453.	1.5	15
82	Surface characterization of silanized glass fibers by labeling with environmentally sensitive fluorophores. Journal of Applied Polymer Science, 1996, 62, 375-384.	1.3	39
83	Studies of polymerization of acrylic monomers using luminescence probes and differential scanning calorimetry. Polymer Engineering and Science, 1996, 36, 175-181.	1.5	26
84	Rubber-modified epoxy resins cured with piperidine. European Polymer Journal, 1992, 28, 1135-1139.	2.6	2
85	Polyacrylamide gels. Process of network formation. European Polymer Journal, 1989, 25, 477-480.	2.6	53
86	Network defects in polyacrylamide gels. European Polymer Journal, 1989, 25, 471-475.	2.6	57
87	Effect of Crosslinker on Swelling and Thermodynamic Properties of Polyacrylamide Gels. Polymer Journal, 1989, 21, 467-474.	1.3	43
88	Polyacrylamide networks. sequence distribution of crosslinker. European Polymer Journal, 1988, 24, 161-165.	2.6	58
89	Stressâ€strain behavior of polyacrylamide networks. Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 369-382.	0.6	1
90	Elastic properties of highly crosslinked polyacrylamide gels. Macromolecules, 1987, 20, 3060-3065.	2.2	92

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91	Polyacrylamide networks. Kinetic and structural studies by high field 1H-NMR with polymerization in situ. European Polymer Journal, 1987, 23, 551-555.	2.6	52