Lucia Conzatti

List of Publications by Year
in descending order

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83	1,679	270111	388640
papers	citations	25 h-index	36 g-index

84	84	84	2131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The self-assembly of sepiolite and silica fillers for advanced rubber materials: The role of collaborative filler network. Applied Clay Science, 2022, 218, 106383.	2.6	17
2	Improved dielectric properties of poly(vinylidene fluoride)â€“<scp>BaTiO₃</scp> composites by solventâ€free processing. Journal of Applied Polymer Science, 2021, 138, 50049.	1.3	11
3	PVDFâ€based composites containing PZT particles: How processing affects the final properties. Journal of Applied Polymer Science, 2020, 137, 48871.	1.3	15
4	Biobased Cryogels from Enzymatically Oxidized Starch: Functionalized Materials as Carriers of Active Molecules. Molecules, 2020, 25, 2557.	1.7	10
5	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. Materials, 2020, 13, 39.	1.3	8
6	Graphene Layers Functionalized with A Janus Pyrrole-Based Compound in Natural Rubber Nanocomposites with Improved Ultimate and Fracture Properties. Polymers, 2020, 12, 944.	2.0	11
7	Chemical modification of hemp fibres by plasma treatment for eco-composites based on biodegradable polyester. Journal of Materials Science, 2019, 54, 14367-14377.	1.7	15
8	A Green Approach for Preparing High-Loaded Sepiolite/Polymer Biocomposites. Nanomaterials, 2019, 9, 46.	1.9	18
9	The Effect of the Surface Area of Carbon Black Grades on HNBR in Harsh Environments. Polymers, 2019, 11, 61.	2.0	28
10	Size-controlled self-assembly of anisotropic sepiolite fibers in rubber nanocomposites. Applied Clay Science, 2018, 152, 51-64.	2.6	35
11	Correlating the morphology of poly(L-lactide)/poly(butylene succinate)/graphene oxide blends nanocomposites with their crystallization behavior. EXPRESS Polymer Letters, 2018, 12, 58-70.	1.1	23
12	Macrocyclic oligomers as compatibilizing agent for hemp fibres/biodegradable polyester eco-composites. Polymer, 2018, 146, 396-406.	1.8	25
13	PVDF/BaTiO3 composites as dielectric materials: Influence of processing on properties. AIP Conference Proceedings, 2018, , .	0.3	2
14	Innovative Mesoporous Nanosilicas: SBR Nanocomposite for Low Environmental Impact Tread Tyre. Journal of Nanoscience and Nanotechnology, 2018, 18, 1503-1515.	0.9	2
15	Highly thermostable and crystalline poly(butylene adipate) bionanocomposites prepared by in situ polycondensation with organically modified Moroccan beidellite clay. Polymer International, 2017, 66, 939-949.	1.6	10
16	Hybrid SiO₂@POSS nanofiller: a promising reinforcing system for rubber nanocomposites. Materials Chemistry Frontiers, 2017, 1, 1441-1452.	3.2	26
17	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. Biomacromolecules, 2017, 18, 3978-3991.	2.6	19
18	Reduction of filler networking in silica based elastomeric nanocomposites with exfoliated organo-montmorillonite. Applied Clay Science, 2017, 135, 168-175.	2.6	16

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19	Mechanical Reinforcement in a Polyisoprene Rubber by Hybrid Nanofillers. Springer Series in Materials Science, 2017, , 447-459.	0.4	0
20	Optimization of the sealing performance in transient conditions of rubber based hybrid nanocomposites by carbon nanotubes, as assessed by a tailored recovery test. Polymer Testing, 2016, 56, 229-236.	2.3	9
21	Probing the chain segment mobility at the interface of semi-crystalline polylactide/clay nanocomposites. European Polymer Journal, 2016, 78, 274-289.	2.6	41
22	Biodegradable polyester-based eco-composites containing hemp fibers modified with macrocyclic oligomers. AIP Conference Proceedings, 2016, , .	0.3	0
23	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. EXPRESS Polymer Letters, 2016, 10, 548-558.	1.1	6
24	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. Polymer, 2015, 63, 62-70.	1.8	17
25	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. RSC Advances, 2015, 5, 81142-81152.	1.7	27
26	A novel tin-based imidazolium-modified montmorillonite catalyst for the preparation of poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf RSC Advances, 2015, 5, 6222-6231.	1.7	7
27	Delamination of organically modified montmorillonite for reducing the filler networking with carbon black in poly(1,4-cis-isoprene) based nanocomposites. Applied Clay Science, 2015, 104, 8-17.	2.6	13
28	FILLER NETWORKING OF A NANOGRAPHITE WITH A HIGH SHAPE ANISOTROPY AND SYNERGISM WITH CARBON BLACK IN POLY(1,4-CIS-ISOPRENE)â€“BASED NANOCOMPOSITES. Rubber Chemistry and Technology, 2014, 87, 197-218.	0.6	53
29	Interactive effects between carbon allotrope fillers on the mechanical reinforcement of polyisoprene based nanocomposites. EXPRESS Polymer Letters, 2014, 8, 436-449.	1.1	30
30	Hydrophobation of silica surface by silylation with new organo-silanes bearing a polybutadiene oligomer tail. Polymer Composites, 2014, 35, 1603-1613.	2.3	15
31	Shape controlled spherical (0D) and rod-like (1D) silica nanoparticles in silica/styrene butadiene rubber nanocomposites: Role of the particle morphology on the filler reinforcing effect. Polymer, 2014, 55, 1497-1506.	1.8	62
32	Wool fibres functionalised with a silane-based coupling agent for reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2014, 61, 51-59.	3.8	45
33	Innovative films with tunable permeability for fresh vegetable packaging applications. Journal of Applied Polymer Science, 2014, 131, .	1.3	4
34	The Role of CNTs in Promoting Hybrid Filler Networking and Synergism with Carbon Black in the Mechanical Behavior of Filled Polyisoprene. Macromolecular Materials and Engineering, 2013, 298, 241-251.	1.7	39
35	Plasticized and nanofilled poly(lactic acid)â€based cast films: Effect of plasticizer and organoclay on processability and final properties. Journal of Applied Polymer Science, 2013, 127, 4947-4956.	1.3	33
36	The effect of layered double hydroxides dispersion on thermal and mechanical properties of poly(vinyl chloride)/poly(methyl methacrylate) blends. Polymer International, 2013, 62, 554-565.	1.6	12

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37	Aqueous-based immobilization of initiator and surface-initiated ATRP to construct hemocompatible surface of poly (styrene-b-(ethylene-co-butylene)-b-styrene) elastomer. Colloids and Surfaces B: Biointerfaces, 2013, 111, 333-341.	2.5	22
38	Composites based on polypropylene and short wool fibres. Composites Part A: Applied Science and Manufacturing, 2013, 47, 165-171.	3.8	67
39	The origin of synergism between an organoclay and carbon black. Applied Clay Science, 2013, 83-84, 449-456.	2.6	12
40	Chemistry of Interfacial Interactions in a LDPE-Based Nanocomposite and Their Effect on the Nanoscale Hybrid Assembling. Macromolecules, 2013, 46, 1563-1572.	2.2	15
41	Nanocomposites of Poly(1,4â€cisâ€isoprene) with Graphite Oxide Intercalation Compounds. Macromolecular Chemistry and Physics, 2013, 214, 1931-1939.	1.1	8
42	CHAPTER 23. Microscopy of Natural Rubber Composites and Nanocomposites. RSC Polymer Chemistry Series, 2013, , 649-682.	0.1	1
43	Dependence of surface properties of silylated silica on the length of silane arms. Adsorption, 2012, 18, 307-320.	1.4	16
44	Polyester-based biocomposites containing wool fibres. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1113-1119.	3.8	50
45	The clay mineral modifier as the key to steer the properties of rubber nanocomposites. Applied Clay Science, 2012, 61, 14-21.	2.6	30
46	Enhancement of mechanical reinforcement due to hybrid filler networking promoted by an organoclay in hydrocarbon-based nanocomposites. Applied Clay Science, 2012, 65-66, 57-66.	2.6	28
47	The role of silica in radiation induced grafting and crosslinking of silica/elastomers blends. Polymer, 2012, 53, 4579-4584.	1.8	9
48	Comparative study about preparation of poly(lactide)/Organophilic montmorillonites nanocomposites through melt blending or ring opening polymerization methods. Journal of Applied Polymer Science, 2012, 125, E413.	1.3	12
49	Hybrid organicâ€“inorganic silicate/thiolâ€“ene photocured coatings. Surface and Coatings Technology, 2012, 206, 2719-2724.	2.2	19
50	Nanoscale structure and morphology of thin films of poly(2-chloroxylylene) synthesized by the CVD method on different liquids. European Polymer Journal, 2011, 47, 1725-1735.	2.6	3
51	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. Chemistry of Materials, 2011, 23, 1923-1938.	3.2	51
52	Optimization of organoâ€layered double hydroxide dispersion in LDPEâ€based nanocomposites. Polymers for Advanced Technologies, 2011, 22, 2285-2294.	1.6	28
53	Syntheses of random PETâ€coâ€PTTs and some related copolyesters by entropicallyâ€driven ringâ€opening polymerizations and by melt blending: Thermal properties and crystallinity. Journal of Polymer Science Part A, 2011, 49, 995-1005.	2.5	11
54	A New Modifier for Silica in Reinforcing SBR Elastomers for the Tyre Industry. Macromolecular Materials and Engineering, 2011, 296, 455-464.	1.7	42

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55	Hybrid Coatings Containing Silver Nanoparticles Generated In situ in a Thiolâ€Ene Photocurable System. Macromolecular Materials and Engineering, 2011, 296, 921-928.	1.7	13
56	Polyurethaneâ€based biomaterials for shapeâ€adjustable cardiovascular devices. Journal of Applied Polymer Science, 2011, 122, 3661-3671.	1.3	35
57	The nanostructured morphology of linear polyurethanes observed by transmission electron microscopy. Micron, 2011, 42, 3-7.	1.1	16
58	Î³-Radiation Induced Functional Modification of Silica and Radiation Vulcanization of SBR-Silica Composites. Macromolecular Symposia, 2011, 301, 90-95.	0.4	5
59	A Possible Means to Assist the Processing of PET, PTT and PBT. Macromolecular Materials and Engineering, 2010, 295, 374-380.	1.7	11
60	An Introduction to Entropicallyâ€driven Ringâ€opening Polymerizations. Macromolecular Symposia, 2010, 297, 6-17.	0.4	12
61	Morphology Development and Stability of Polypropylene/Organoclay Nanocomposites. Journal of Nanoscience and Nanotechnology, 2010, 10, 5814-5825.	0.9	7
62	Alternative synthetic routes for the preparation of PLAâˆ•montmorillonite nanocomposites. , 2010, , .		1
63	Study of the compounding process parameters for morphology control of LDPE/layered silicate nanocomposites. E-Polymers, 2009, 9, .	1.3	1
64	Reinforcement of diene elastomers by organically modified layered silicates. E-Polymers, 2009, 9, .	1.3	2
65	Exfoliated/Intercalated Rubber/Organoâ€Montmorillonite Nanocomposites: Preparation and Characterization. Macromolecular Materials and Engineering, 2009, 294, 705-710.	1.7	13
66	Formation of clay intercalates with organic bilayers in hydrocarbon polymers. Polymers for Advanced Technologies, 2009, 20, 135-142.	1.6	31
67	Longâ€lived layered silicatesâ€immobilized 2,6â€bis(imino)pyridyl iron (II) catalysts for hybrid polyethylene nanocomposites by in situ polymerization: Effect of aryl ligand and silicate modification. Journal of Polymer Science Part A, 2009, 47, 548-564.	2.5	19
68	New fluorinated montmorillonites for the preparation of UV-cured coatings. Journal of Colloid and Interface Science, 2009, 336, 455-461.	5.0	10
69	New Functionalized Polypropylenes as Controlled Architecture Compatibilizers for Polypropylene Layered Silicates Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 4858-4869.	0.9	2
70	Morphology and Viscoelastic Behaviour of a Silica Filled Styrene/Butadiene Random Copolymer. Macromolecular Materials and Engineering, 2008, 293, 178-187.	1.7	15
71	High Throughput Synthesis of Polyesters Using Entropically Driven Ring-Opening Polymerizations. ACS Combinatorial Science, 2008, 10, 644-654.	3.3	23
72	Oxygen and Water Vapor Barrier Properties of MMT Nanocomposites from Low Density Polyethylene or EPM with Grafted Succinic Groups. Journal of Nanoscience and Nanotechnology, 2008, 8, 1690-1699.	0.9	5

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73	ON THE CYCLO-DEPOLYMERIZATION OF ALKYL AROMATIC POLYESTERS AND THE IN SITU POLYMERIZATION OF THE CYCLIC OLIGOMERS PRODUCED. AIP Conference Proceedings, 2008, , .	0.3	0
74	IN SITU RHEO-SALS EXPERIMENTS ON LDPE NANOCOMPOSITES: A PRELIMINARY STUDY. AIP Conference Proceedings, 2008, , .	0.3	0
75	Oxygen and Water Vapor Barrier Properties of MMT Nanocomposites from Low Density Polyethylene or EPM with Grafted Succinic Groups. Journal of Nanoscience and Nanotechnology, 2008, 8, 1690-1699.	0.9	5
76	Oxygen and water vapor barrier properties of MMT nanocomposites from low density polyethylene or EPM with grafted succinic groups. Journal of Nanoscience and Nanotechnology, 2008, 8, 1690-9.	0.9	1
77	Influence of the Silane Modifiers on the Surface Thermodynamic Characteristics and Dispersion of the Silica into Elastomer Compounds. Journal of Physical Chemistry B, 2007, 111, 4495-4502.	1.2	77
78	Dynamic and viscoelastic behavior of natural rubber/layered silicate nanocomposites obtained by melt blending. Polymer Engineering and Science, 2007, 47, 1650-1657.	1.5	28
79	Surface modification of silica: 1. Thermodynamic aspects and effect on elastomer reinforcement. Polymer, 2005, 46, 695-703.	1.8	101
80	A Fourier Transform Infrared (FTIR) Study of the Reaction of Triethoxysilane (TES) and Bis[3-triethoxysilylpropyl]tetrasulfane (TESPT) with the Surface of Amorphous Silica. Journal of Physical Chemistry B, 2004, 108, 3563-3572.	1.2	90
81	Polyacetylenes Bearing Mesogenic Side Groups: Synthesis and Properties, 2. Macromolecular Chemistry and Physics, 2003, 204, 714-724.	1.1	11
82	Polyacetylenes bearing mesogenic side groups: synthesis and properties. Part 3. Influence of flexible spacer length and tail functionality. Polymer, 2003, 44, 4443-4454.	1.8	16
83	Singling Out the Role of Molecular Weight in the Crystallization Kinetics of Polyester/Clay Bionanocomposites Obtained by In Situ Step Growth Polycondensation. ACS Applied Polymer Materials, 0, , .	2.0	1