

# Lucia Conzatti

## List of Publications by Citations

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papers

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33  
g-index

84  
ext. papers

1,516  
ext. citations

3.7  
avg, IF

4.17  
L-index

#	Paper	IF	Citations
77	Surface modification of silica: 1. Thermodynamic aspects and effect on elastomer reinforcement. <i>Polymer</i> , <b>2005</b> , 46, 695-703	3.9	88
76	A Fourier Transform Infrared (FTIR) Study of the Reaction of Triethoxysilane (TES) and Bis[3-triethoxysilylpropyl]tetrasulfane (TESPT) with the Surface of Amorphous Silica. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 3563-3572	3.4	83
75	Influence of the silane modifiers on the surface thermodynamic characteristics and dispersion of the silica into elastomer compounds. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 4495-502	3.4	66
74	Composites based on polypropylene and short wool fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 47, 165-171	8.4	59
73	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. <i>Polymer</i> , <b>2014</b> , 55, 1497-1506	3.9	48
72	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1923-1938	9.6	48
71	Polyester-based biocomposites containing wool fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1113-1119	8.4	42
70	FILLER NETWORKING OF A NANOGRAFITE WITH A HIGH SHAPE ANISOTROPY AND SYNERGISM WITH CARBON BLACK IN POLY(1,4-CIS-ISOPRENE)BASED NANOCOMPOSITES. <i>Rubber Chemistry and Technology</i> , <b>2014</b> , 87, 197-218	1.7	39
69	Wool fibres functionalised with a silane-based coupling agent for reinforced polypropylene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 61, 51-59	8.4	37
68	A New Modifier for Silica in Reinforcing SBR Elastomers for the Tyre Industry. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 455-464	3.9	37
67	Probing the chain segment mobility at the interface of semi-crystalline polylactide/clay nanocomposites. <i>European Polymer Journal</i> , <b>2016</b> , 78, 274-289	5.2	36
66	The Role of CNTs in Promoting Hybrid Filler Networking and Synergism with Carbon Black in the Mechanical Behavior of Filled Polyisoprene. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 241-251	3.9	32
65	Polyurethane-based biomaterials for shape-adjustable cardiovascular devices. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 3661-3671	2.9	29
64	Plasticized and nanofilled poly(lactic acid)-based cast films: Effect of plasticizer and organoclay on processability and final properties. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4947-4956	2.9	28
63	Interactive effects between carbon allotrope fillers on the mechanical reinforcement of polyisoprene based nanocomposites. <i>EXPRESS Polymer Letters</i> , <b>2014</b> , 8, 436-449	3.4	28
62	Size-controlled self-assembly of anisotropic sepiolite fibers in rubber nanocomposites. <i>Applied Clay Science</i> , <b>2018</b> , 152, 51-64	5.2	28
61	The clay mineral modifier as the key to steer the properties of rubber nanocomposites. <i>Applied Clay Science</i> , <b>2012</b> , 61, 14-21	5.2	27

60	Formation of clay intercalates with organic bilayers in hydrocarbon polymers. <i>Polymers for Advanced Technologies</i> , <b>2009</b> , 20, 135-142	3.2	27
59	Enhancement of mechanical reinforcement due to hybrid filler networking promoted by an organoclay in hydrocarbon-based nanocomposites. <i>Applied Clay Science</i> , <b>2012</b> , 65-66, 57-66	5.2	26
58	Optimization of organo-layered double hydroxide dispersion in LDPE-based nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 2285-2294	3.2	24
57	High throughput synthesis of polyesters using entropically driven ring-opening polymerizations. <i>ACS Combinatorial Science</i> , <b>2008</b> , 10, 644-54		23
56	Dynamic and viscoelastic behavior of natural rubber/layered silicate nanocomposites obtained by melt blending. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1650-1657	2.3	23
55	Hybrid SiO <sub>2</sub> @POSS nanofiller: a promising reinforcing system for rubber nanocomposites. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1441-1452	7.8	21
54	Aqueous-based immobilization of initiator and surface-initiated ATRP to construct hemocompatible surface of poly (styrene-b-(ethylene-co-butylene)-b-styrene) elastomer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 333-41	6	21
53	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. <i>RSC Advances</i> , <b>2015</b> , 5, 81142-81152	3.7	19
52	Hybrid organic/inorganic silicate/thiol/ene photocured coatings. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 2719-2724	4.4	18
51	Long-lived layered silicates-immobilized 2,6-bis(imino)pyridyl iron (II) catalysts for hybrid polyethylene nanocomposites by in situ polymerization: Effect of aryl ligand and silicate modification. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 548-564	2.5	18
50	Macrocyclic oligomers as compatibilizing agent for hemp fibres/biodegradable polyester eco-composites. <i>Polymer</i> , <b>2018</b> , 146, 396-406	3.9	18
49	Correlating the morphology of poly(L-lactide)/poly(butylene succinate)/graphene oxide blends nanocomposites with their crystallization behavior. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 58-70	3.4	17
48	Polyacetylenes bearing mesogenic side groups: synthesis and properties. Part 3. Influence of flexible spacer length and tail functionality. <i>Polymer</i> , <b>2003</b> , 44, 4443-4454	3.9	16
47	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3978-3991	6.9	15
46	The Effect of the Surface Area of Carbon Black Grades on HNBR in Harsh Environments. <i>Polymers</i> , <b>2019</b> , 11,	4.5	15
45	A Green Approach for Preparing High-Loaded Sepiolite/Polymer Biocomposites. <i>Nanomaterials</i> , <b>2018</b> , 9,	5.4	14
44	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. <i>Polymer</i> , <b>2015</b> , 63, 62-70	3.9	14
43	Reduction of filler networking in silica based elastomeric nanocomposites with exfoliated organo-montmorillonite. <i>Applied Clay Science</i> , <b>2017</b> , 135, 168-175	5.2	14

42	The nanostructured morphology of linear polyurethanes observed by transmission electron microscopy. <i>Micron</i> , <b>2011</b> , 42, 3-7	2.3	14
41	Morphology and Viscoelastic Behaviour of a Silica Filled Styrene/Butadiene Random Copolymer. <i>Macromolecular Materials and Engineering</i> , <b>2008</b> , 293, 178-187	3.9	14
40	Exfoliated/Intercalated Rubber/Organo-Montmorillonite Nanocomposites: Preparation and Characterization. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 705-710	3.9	13
39	The origin of synergism between an organoclay and carbon black. <i>Applied Clay Science</i> , <b>2013</b> , 83-84, 449-456	3.56	12
38	Dependence of surface properties of silylated silica on the length of silane arms. <i>Adsorption</i> , <b>2012</b> , 18, 307-320	2.6	12
37	Comparative study about preparation of poly(lactide)/Organophilic montmorillonites nanocomposites through melt blending or ring opening polymerization methods. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E413	2.9	12
36	Chemistry of Interfacial Interactions in a LDPE-Based Nanocomposite and Their Effect on the Nanoscale Hybrid Assembling. <i>Macromolecules</i> , <b>2013</b> , 46, 1563-1572	5.5	12
35	Hybrid Coatings Containing Silver Nanoparticles Generated In situ in a Thiol-Ene Photocurable System. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 921-928	3.9	12
34	Delamination of organically modified montmorillonite for reducing the filler networking with carbon black in poly(1,4-cis-isoprene) based nanocomposites. <i>Applied Clay Science</i> , <b>2015</b> , 104, 8-17	5.2	11
33	The effect of layered double hydroxides dispersion on thermal and mechanical properties of poly(vinyl chloride)/poly(methyl methacrylate) blends. <i>Polymer International</i> , <b>2013</b> , 62, 554-565	3.3	11
32	Hydrophobation of silica surface by silylation with new organo-silanes bearing a polybutadiene oligomer tail. <i>Polymer Composites</i> , <b>2014</b> , 35, 1603-1613	3	11
31	An Introduction to Entropically-driven Ring-opening Polymerizations. <i>Macromolecular Symposia</i> , <b>2010</b> , 297, 6-17	0.8	11
30	A Possible Means to Assist the Processing of PET, PTT and PBT. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 374-380	3.9	11
29	Polyacetylenes Bearing Mesogenic Side Groups: Synthesis and Properties, 2. <i>Macromolecular Chemistry and Physics</i> , <b>2003</b> , 204, 714-724	2.6	11
28	Syntheses of random PET-co-PTTs and some related copolyesters by entropically-driven ring-opening polymerizations and by melt blending: Thermal properties and crystallinity. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 995-1005	2.5	10
27	New fluorinated montmorillonites for the preparation of UV-cured coatings. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 336, 455-61	9.3	10
26	PVDF-based composites containing PZT particles: How processing affects the final properties. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48871	2.9	10
25	Chemical modification of hemp fibres by plasma treatment for eco-composites based on biodegradable polyester. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 14367-14377	4.3	8

24	Optimization of the sealing performance in transient conditions of rubber based hybrid nanocomposites by carbon nanotubes, as assessed by a tailored recovery test. <i>Polymer Testing</i> , <b>2016</b> , 56, 229-236	4.5	8
23	A novel tin-based imidazolium-modified montmorillonite catalyst for the preparation of poly(butylene terephthalate)-based nanocomposites using in situ entropically-driven ring-opening polymerization. <i>RSC Advances</i> , <b>2015</b> , 5, 6222-6231	3.7	7
22	The role of silica in radiation induced grafting and crosslinking of silica/elastomers blends. <i>Polymer</i> , <b>2012</b> , 53, 4579-4584	3.9	7
21	Nanocomposites of Poly(1,4-cis-Isoprene) with Graphite Oxide Intercalation Compounds. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1931-1939	2.6	7
20	Morphology development and stability of polypropylene/organoclay nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5814-25	1.3	7
19	Highly thermostable and crystalline poly(butylene adipate) bionanocomposites prepared by in situ polycondensation with organically modified Moroccan beidellite clay. <i>Polymer International</i> , <b>2017</b> , 66, 939-949	3.3	6
18	Graphene Layers Functionalized with A Pyrrole-Based Compound in Natural Rubber Nanocomposites with Improved Ultimate and Fracture Properties. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
17	ERadiation Induced Functional Modification of Silica and Radiation Vulcanization of SBR-Silica Composites. <i>Macromolecular Symposia</i> , <b>2011</b> , 301, 90-95	0.8	5
16	Improved dielectric properties of poly(vinylidene fluoride)/BaTiO <sub>3</sub> composites by solvent-free processing. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50049	2.9	5
15	Biobased Cryogels from Enzymatically Oxidized Starch: Functionalized Materials as Carriers of Active Molecules. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
14	Oxygen and Water Vapor Barrier Properties of MMT Nanocomposites from Low Density Polyethylene or EPM with Grafted Succinic Groups. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1690-1699	1.3	4
13	The self-assembly of sepiolite and silica fillers for advanced rubber materials: The role of collaborative filler network. <i>Applied Clay Science</i> , <b>2022</b> , 218, 106383	5.2	4
12	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. <i>EXPRESS Polymer Letters</i> , <b>2016</b> , 10, 548-558	3.4	4
11	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. <i>Materials</i> , <b>2019</b> , 13,	3.5	3
10	Innovative films with tunable permeability for fresh vegetable packaging applications. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	3
9	Nanoscale structure and morphology of thin films of poly(2-chloroxylylene) synthesized by the CVD method on different liquids. <i>European Polymer Journal</i> , <b>2011</b> , 47, 1725-1735	5.2	3
8	Oxygen and Water Vapor Barrier Properties of MMT Nanocomposites from Low Density Polyethylene or EPM with Grafted Succinic Groups. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1690-1699	1.3	3
7	PVDF/BaTiO <sub>3</sub> composites as dielectric materials: Influence of processing on properties <b>2018</b> ,		1

6	Innovative Mesoporous Nanosilicas: SBR Nanocomposite for Low Environmental Impact Tread Tyre. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1503-1515	1.3	1
5	CHAPTER 23: Microscopy of Natural Rubber Composites and Nanocomposites. <i>RSC Polymer Chemistry Series</i> , <b>2013</b> , 649-682	1.3	1
4	Alternative synthetic routes for the preparation of PLA/montmorillonite nanocomposites <b>2010</b> ,		1
3	New functionalized polypropylenes as controlled architecture compatibilizers for polypropylene layered silicates nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4858-69	1.3	1
2	Oxygen and water vapor barrier properties of MMT nanocomposites from low density polyethylene or EPM with grafted succinic groups. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1690-9	1.3	0
1	Mechanical Reinforcement in a Polyisoprene Rubber by Hybrid Nanofillers. <i>Springer Series in Materials Science</i> , <b>2017</b> , 447-459	0.9	