Paola Stagnaro

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8826243/publications.pdf

Version: 2024-02-01

104	2,246	172457	289244
papers	citations	29 h-index	40 g-index

105	105	105	2689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved biocompatibility and antifouling property of polypropylene non-woven fabric membrane by surface grafting zwitterionic polymer. Journal of Membrane Science, 2011, 369, 5-12.	8.2	182
2	Composites based on polypropylene and short wool fibres. Composites Part A: Applied Science and Manufacturing, 2013, 47, 165-171.	7.6	67
3	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.	3.8	62
4	Plasma Proteins Adsorption Mechanism on Polyethylene-Grafted Poly(ethylene glycol) Surface by Quartz Crystal Microbalance with Dissipation. Langmuir, 2013, 29, 6624-6633.	3.5	60
5	Surface modification of poly(styrene-b-(ethylene-co-butylene)-b-styrene) elastomer via UV-induced graft polymerization of N-vinyl pyrrolidone. Colloids and Surfaces B: Biointerfaces, 2012, 93, 127-134.	5.0	54
6	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.	6.7	51
7	Fabrication of PP-g-PEGMA-g-heparin and its hemocompatibility: From protein adsorption to anticoagulant tendency. Applied Surface Science, 2012, 258, 5841-5849.	6.1	50
8	Polyester-based biocomposites containing wool fibres. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1113-1119.	7.6	50
9	Alginate-polymethacrylate hybrid hydrogels for potential osteochondral tissue regeneration. Carbohydrate Polymers, 2018, 185, 56-62.	10.2	50
10	A Review of Structural Adhesive Joints in Hybrid Joining Processes. Polymers, 2021, 13, 3961.	4.5	47
11	Wool fibres functionalised with a silane-based coupling agent for reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2014, 61, 51-59.	7.6	45
12	A New Modifier for Silica in Reinforcing SBR Elastomers for the Tyre Industry. Macromolecular Materials and Engineering, 2011, 296, 455-464.	3.6	42
13	Polypropylene modified with 2-hydroxyethyl acrylate-g-2-methacryloyloxyethyl phosphorycholine and its hemocompatibility. Applied Surface Science, 2010, 256, 7071-7076.	6.1	40
14	Synthetic exploitation of the ring-opening of 3,4-dinitrothiophene. Access to 1,4-disubstituted 2,3-dinitro-1,3-butadienes and 2,3-butanedione dioximes. Tetrahedron, 1992, 48, 4407-4418.	1.9	39
15	Biocompatibility of polypropylene non-woven fabric membrane via UV-induced graft polymerization of 2-acrylamido-2-methylpropane sulfonic acid. Applied Surface Science, 2011, 258, 425-430.	6.1	39
16	Heterogeneous Nucleation and Self-Nucleation of Isotactic Polypropylene Microdroplets in Immiscible Blends: From Nucleation to Growth-Dominated Crystallization. Macromolecules, 2020, 53, 5980-5991.	4.8	38
17	Synthetic exploitation of the ring-opening of 3,4-dinitrothiophene. A novel access to 1,4-dialkyl- and 1,4-diaryl-2,3-dinitro- 1,3-butadienes. Tetrahedron Letters, 1990, 31, 4933-4936.	1.4	37
18	Improved biocompatibility of poly (styrene-b-(ethylene-co-butylene)-b-styrene) elastomer by a surface graft polymerization of hyaluronic acid. Colloids and Surfaces B: Biointerfaces, 2013, 102, 210-217.	5.0	37

#	Article	IF	Citations
19	Thermal Behavior, Structure and Morphology of Propene/Higher 1-Olefin Copolymers. Macromolecular Chemistry and Physics, 2006, 207, 2128-2141.	2.2	35
20	Size-controlled self-assembly of anisotropic sepiolite fibers in rubber nanocomposites. Applied Clay Science, 2018, 152, 51-64.	5.2	35
21	Ethyleneâ€based copolymers with tunable content of polymerizable hindered phenols as nonreleasing macromolecular additives. Journal of Polymer Science Part A, 2008, 46, 6393-6406.	2.3	34
22	Crystallization and morphology of the trigonal form in random propene/1-pentene copolymers. Polymer, 2009, 50, 5242-5249.	3.8	34
23	Lightweight Poly(Îµ-Caprolactone) Composites with Surface Modified Hollow Glass Microspheres for Use in Rotational Molding: Thermal, Rheological and Mechanical Properties. Polymers, 2019, 11, 624.	4.5	34
24	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.	2.6	33
25	Improving hemocompatibility of styrene-b-(ethylene-co-butylene)-b-styrene elastomer via N-vinyl pyrrolidone-assisted grafting of poly(ethylene glycol) methacrylate. Polymer, 2012, 53, 1675-1683.	3.8	32
26	Effects on sorption and diffusion in PTMSP and TMSP/TMSE copolymers of free volume changes due to polymer ageing. Journal of Molecular Structure, 2005, 739, 75-86.	3.6	31
27	The clay mineral modifier as the key to steer the properties of rubber nanocomposites. Applied Clay Science, 2012, 61, 14-21.	5.2	30
28	Micropatterning of hydrophilic polyacrylamide brushes to resist cell adhesion but promote protein retention. Chemical Communications, 2014, 50, 14975-14978.	4.1	30
29	The trigonal form of i-PP in random C3/C5/C6 terpolymers. Polymer, 2013, 54, 1656-1662.	3.8	29
30	PVDFâ€“ferrite composites with dual magneto-piezoelectric response for flexible electronics applications: synthesis and functional properties. Journal of Materials Science, 2020, 55, 3926-3939.	3.7	29
31	In situ polymerization of ethylene using metallocene catalysts: Effect of clay pretreatment on the properties of highly filled polyethylene nanocomposites. Journal of Polymer Science Part A, 2008, 46, 5390-5403.	2.3	28
32	Optimization of organoâ€layered double hydroxide dispersion in LDPEâ€based nanocomposites. Polymers for Advanced Technologies, 2011, 22, 2285-2294.	3.2	28
33	Surface modification of poly(styrene-b-(ethylene-co-butylene)-b-styrene) elastomer via photo-initiated graft polymerization of poly(ethylene glycol). Applied Surface Science, 2012, 258, 2344-2349.	6.1	26
34	Macrocyclic oligomers as compatibilizing agent for hemp fibres/biodegradable polyester eco-composites. Polymer, 2018, 146, 396-406.	3.8	25
35	Penultimate-Unit Effect in Ethene/4-Methyl-1-pentene Copolymerization for a â€œSequentialâ€•Distribution of Comonomers. Macromolecules, 2008, 41, 1104-1111.	4.8	24
36	Base-induced cycloaddition of tosylmethyl or (tert-butoxycarbonyl)methyl isocyanide to 1,4-disubstituted 2,3-dinitro-1,3-butadienes. Access to 2,3-disubstituted 4-ethynylpyrroles. Tetrahedron, 1995, 51, 5181-5192.	1.9	23

#	Article	IF	Citations
37	Thermoplastic elastomers based on compatibilized poly(butylene terephthalate) blends: Effect of functional groups and dynamic curing. Journal of Applied Polymer Science, 2008, 110, 3963-3972.	2.6	23
38	High Throughput Synthesis of Polyesters Using Entropically Driven Ring-Opening Polymerizations. ACS Combinatorial Science, 2008, 10, 644-654.	3.3	23
39	LDPEâ€based blends and films stabilized with nonreleasing polymeric antioxidants for safer food packaging. Journal of Applied Polymer Science, 2012, 124, 3912-3920.	2.6	22
40	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.	5.0	22
41	Novel ethylene/norbornene copolymers as nonreleasing antioxidants for foodâ€contact polyolefinic materials. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1007-1016.	2.1	22
42	Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals. Applied Sciences (Switzerland), 2020, 10, 4122.	2.5	22
43	Melting grafting polypropylene with hydrophilic monomers for improving hemocompatibility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 407, 141-149.	4.7	21
44	Polyacetylenes Bearing Mesogenic Side Groups: Synthesis and Properties, 1. Mesogenic Substituents with a Short Flexible Spacer. Macromolecular Chemistry and Physics, 2001, 202, 2065-2073.	2.2	20
45	Bioactive TGF-Î²1/HA Alginate-Based Scaffolds for Osteochondral Tissue Repair: Design, Realization and Multilevel Characterization. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 42-52.	1.6	20
46	Polymer/Liquid Crystal Composites: Phase Separation and Morphology of Blends of PBMA or PMMA and E7. Molecular Crystals and Liquid Crystals, 1996, 290, 213-226.	0.3	18
47	Segmented Polyimides with Poly(ethylene oxide) Blocks Exhibiting Liquid Crystallinity. Macromolecules, 2008, 41, 1034-1040.	4.8	18
48	N-vinyl pyrrolidone-assisted free radical functionalization of glycidyl methacrylate onto styrene-b-(ethylene-co-butylene)-b-styrene. Reactive and Functional Polymers, 2010, 70, 961-966.	4.1	18
49	A Green Approach for Preparing High-Loaded Sepiolite/Polymer Biocomposites. Nanomaterials, 2019, 9, 46.	4.1	18
50	Thermal Behavior and Structural Features of Propene/1-Pentene Copolymers by Metallocene Catalysts. Macromolecular Chemistry and Physics, 2004, 205, 383-389.	2.2	17
51	Penultimate Unit Effect in Ethene/Propene Copolymerization Promoted at High Temperature by Single Center Catalysts. Macromolecules, 2006, 39, 8223-8228.	4.8	17
52	Characterization of the effect of an epoxy adhesive in hybrid FSW-bonding aluminium-steel joints for naval application. International Journal of Adhesion and Adhesives, 2020, 103, 102702.	2.9	17
53	The self-assembly of sepiolite and silica fillers for advanced rubber materials: The role of collaborative filler network. Applied Clay Science, 2022, 218, 106383.	5.2	17
54	Synthetic exploitation of the ringâ€opening of 3,4â€dinitrothiophene. Part 4. Synthesis of 1,4â€disubstituted 3â€hydroximinoâ€2â€nitroâ€1â€butenes and their cyclization to 4â€nitroisoxazoles. Journal of Heterocyclic Chemistry, 1994, 31, 861-865.	2.6	16

#	Article	IF	Citations
55	Polyacetylenes bearing mesogenic side groups: synthesis and properties. Part 3. Influence of flexible spacer length and tail functionality. Polymer, 2003, 44, 4443-4454.	3.8	16
56	Synthesis of amphiphilic poly(cyclooctene)-graft-poly(ethylene glycol) copolymersviaROMP and its surface properties. Polymer Chemistry, 2011, 2, 679-684.	3.9	16
57	The nanostructured morphology of linear polyurethanes observed by transmission electron microscopy. Micron, 2011, 42, 3-7.	2.2	16
58	Reactive blending of poly(ethylene 2,6-naphthalate) and Vectra A. European Polymer Journal, 2009, 45, 217-225.	5.4	15
59	Chemical modification of hemp fibres by plasma treatment for eco-composites based on biodegradable polyester. Journal of Materials Science, 2019, 54, 14367-14377.	3.7	15
60	PVDFâ€based composites containing PZT particles: How processing affects the final properties. Journal of Applied Polymer Science, 2020, 137, 48871.	2.6	15
61	Acid-Catalyzed Polycondensation of 2-Hydroxymethylthiophene and Some of Its Homologues. Macromolecules, 2001, 34, 26-32.	4.8	14
62	Exfoliated/Intercalated Rubber/Organoâ€Montmorillonite Nanocomposites: Preparation and Characterization. Macromolecular Materials and Engineering, 2009, 294, 705-710.	3.6	13
63	Isoselectivity and Steric Hindrance of C₂ Symmetric Metallocenes as the Keys to Control Structural and Thermal Features of Ethene/4-Methyl-1-Pentene Copolymers. Macromolecules, 2011, 44, 3712-3722.	4.8	13
64	Microstructural characteristics and thermal properties ofansa-zirconocene catalyzed copolymers of propene with higherÎ±-olefins. Macromolecular Symposia, 2004, 213, 57-68.	0.7	12
65	Macromolecular Nonâ€Releasing Additives for Commercial Polyolefins. Macromolecular Symposia, 2007, 260, 21-26.	0.7	12
66	An Introduction to Entropicallyâ€driven Ringâ€opening Polymerizations. Macromolecular Symposia, 2010, 297, 6-17.	0.7	12
67	Polypropylene non-woven fabric membrane via surface modification with biomimetic phosphorylcholine in Ce(IV)/HNO3 redox system. Materials Science and Engineering C, 2012, 32, 1785-1789.	7.3	12
68	High Refractive Index Inverse Vulcanized Polymers for Organic Photonic Crystals. Crystals, 2020, 10, 154.	2.2	12
69	Polyacetylenes Bearing Mesogenic Side Groups: Synthesis and Properties, 2. Macromolecular Chemistry and Physics, 2003, 204, 714-724.	2.2	11
70	The radiation-induced grafting of polybutadiene onto silica. Radiation Physics and Chemistry, 2009, 78, 525-530.	2.8	11
71	A Possible Means to Assist the Processing of PET, PTT and PBT. Macromolecular Materials and Engineering, 2010, 295, 374-380.	3.6	11
72	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.	2.3	11

#	Article	IF	Citations
73	Improved dielectric properties of poly(vinylidene fluoride)â€“<scp>BaTiO₃</scp> composites by solventâ€free processing. Journal of Applied Polymer Science, 2021, 138, 50049.	2.6	11
74	Toward block copolymers from nonliving isospecific singleâ€site catalytic systems. Journal of Polymer Science Part A, 2010, 48, 2063-2075.	2.3	10
75	Unexpected Formation of Atactic Blocks in Propylene/1-Pentene Copolymers fromrac-Me2Si(2-MeBenz[e]Ind)2ZrCl2. Macromolecular Chemistry and Physics, 2004, 205, 1804-1807.	2.2	9
76	Fully consistent terpolymeric non-releasing antioxidant additives for long lasting polyolefin packaging materials. Polymer Degradation and Stability, 2017, 144, 167-175.	5.8	9
77	Synthetic exploitation of the ring-opening of 3,4-dinitrothiophene. Part 3. Access to 1,4-diaryl- and 1,4-dialkyl-2-nitrobutanes. Tetrahedron Letters, 1992, 33, 7047-7048.	1.4	7
78	Modulation of barrier properties of monolayer films from blends of polyethylene with ethyleneâ€coâ€norbornene. Journal of Applied Polymer Science, 2011, 121, 3020-3027.	2.6	7
79	Design and Synthesis of Olefin Copolymers with Tunable Amounts of Comonomers Bearing Stabilizing Functionalities. Macromolecular Reaction Engineering, 2013, 7, 84-90.	1.5	7
80	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.	3.6	7
81	The acid-catalysed polycondensation of 2-acetoxymethylthiophenes. Kinetics and mechanisms. Polymer, 2003, 44, 1359-1365.	3.8	6
82	Preparation and physical properties of LLDPE grafted with novel nonionic surfactants. Journal of Applied Polymer Science, 2009, 111, 1268-1277.	2.6	6
83	Preparation of PP-g-PEG by using partial pre-irradiated polypropylene as initiator and its properties. Polymer Bulletin, 2010, 65, 929-940.	3.3	6
84	Acid-Catalyzed Polycondensation of 2-Acetoxymethyl-3,4-dimethylthiophene. Access to a Novel Poly(thienylene methine) with Alternating Aromatic- and Quinoid-like Structures. Macromolecules, 2009, 42, 2455-2461.	4.8	5
85	A novel approach to crosslinked polymer electrolytes based on polyethers: network formation via photochemistry. Polymer, 1998, 39, 6187-6189.	3.8	4
86	Biocompatible polypropylene prepared by a combination of melt grafting and surface restructuring. Journal of Applied Polymer Science, 2012, 126, 929-938.	2.6	4
87	Innovative films with tunable permeability for fresh vegetable packaging applications. Journal of Applied Polymer Science, 2014, 131, .	2.6	4
88	Lightweight polyethyleneâ€hollow glass microspheres composites for rotational molding technology. Journal of Applied Polymer Science, 2021, 138, 49766.	2.6	4
89	Characterization of a bioinspired elastin-polypropylene fumarate material for vascular prostheses applications. Proceedings of SPIE, 2013, , .	0.8	3
90	On properties of graft copolymers of LLDPE and novel fluorine surfactants obtained via reactive extrusion. Designed Monomers and Polymers, 2014, 17, 746-752.	1.6	3

#	Article	IF	Citations
91	2,5-Diisopropenylthiophene by Suzukiâ€“Miyaura cross-coupling reaction and its exploitation in inverse vulcanization: a case study. RSC Advances, 2022, 12, 8924-8935.	3.6	3
92	Phase Separation and Morphology of PDLC Based on Poly(Ethyl 2-Cyanoacrylate). Molecular Crystals and Liquid Crystals, 1999, 336, 199-210.	0.3	2
93	Random propene/4â€methylâ€1â€pentene copolymers synthesized with C₂ symmetric highly isospecific metallocenes. Journal of Polymer Science Part A, 2015, 53, 2575-2585.	2.3	2
94	Light weight LDPE composites with surface modified hollow glass microspheres. AIP Conference Proceedings, 2018, , .	0.4	2
95	PVDF/BaTiO3 composites as dielectric materials: Influence of processing on properties. AIP Conference Proceedings, 2018, , .	0.4	2
96	Polyarylates based on 3, 4'â€disubstituted benzophenones. Macromolecular Symposia, 1997, 122, 117-122.	0.7	1
97	New thermotropic copoly(keto esters) based on 3,4â€²-disubstituted benzophenones. Macromolecular Chemistry and Physics, 1997, 198, 2599-2611.	2.2	1
98	The influence of variant PEâ€bâ€PEO segments on physical properties of LLDPE graft copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 506-515.	2.1	1
99	Unravelling the detailed microstructure of a semiconducting (quasiâ€metal) soluble polymer incorporating conjugated thienylene methine sequences. Journal of Polymer Science Part A, 2011, 49, 5227-5238.	2.3	1
100	Reinforcing poly(Îµ-caprolactone) with hollow glass microspheres and hemp fibers â€“ Morphological, rheological and mechanical properties. AIP Conference Proceedings, 2018, , .	0.4	1
101	ON THE CYCLO-DEPOLYMERIZATION OF ALKYL AROMATIC POLYESTERS AND THE IN SITU POLYMERIZATION OF THE CYCLIC OLIGOMERS PRODUCED. AIP Conference Proceedings, 2008, , .	0.4	0
102	IN SITU RHEO-SALS EXPERIMENTS ON LDPE NANOCOMPOSITES: A PRELIMINARY STUDY. AIP Conference Proceedings, 2008, , .	0.4	0
103	Biodegradable polyester-based eco-composites containing hemp fibers modified with macrocyclic oligomers. AIP Conference Proceedings, 2016, , .	0.4	0
104	Thermal characterization of epoxy adhesives modified with nanofillers for hybrid friction stir welding process. AIP Conference Proceedings, 2018, , .	0.4	0