

Maurizio Galimberti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

1,861
citations

27
h-index

37
g-index

106
ext. papers

1,997
ext. citations

4.4
avg, IF

4.43
L-index

#	Paper	IF	Citations
103	Facile Edge Functionalization of Graphene Layers with a Biosourced 2-Pyrone. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 4082-4093	8.3	0
102	Bionanocomposites based on a covalent network of chitosan and edge functionalized graphene layers. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2021 , 19, 22808000211017431	1.8	
101	Silica-Based Composites with Enhanced Rheological Properties Thanks to a Nanosized Graphite Functionalized with Serinol Pyrrole. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11410	2.6	0
100	Environmentally Friendly and Regioselective One-Pot Synthesis of Imines and Oxazolidines Serinol Derivatives and Their Use for Rubber Cross-Linking. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9356-9366	8.3	7
99	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery. <i>Nanomaterials</i> , 2020 , 10,	5.4	13
98	Tuning the Solubility Parameters of Carbon Nanotubes by Means of Their Adducts with Pyrrole Compounds. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
97	Graphene Layers Functionalized with A Pyrrole-Based Compound in Natural Rubber Nanocomposites with Improved Ultimate and Fracture Properties. <i>Polymers</i> , 2020 , 12,	4.5	6
96	A Graphene-Based Supramolecular Nanoreactor for the Fast Synthesis of Imines in Water. <i>Small</i> , 2020 , 16, e2001207	11	1
95	Functionalized sp ² carbon allotropes as fillers for rubber nanocomposites 2020 , 43-92		
94	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17443-17452	8.3	9
93	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Ziegler-Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019 , 2, 1-12	7.3	1
92	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. <i>Materials</i> , 2019 , 13,	3.5	3
91	Selective edge functionalization of graphene layers with oxygenated groups by means of Reimer-Tiemann and domino Reimer-Tiemann/Cannizzaro reactions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7749-7761	13	15
90	Packaging technology for improving shelf-life of fruits based on a nanoporous crystalline polymer. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46256	2.9	10
89	Facile and sustainable functionalization of graphene layers with pyrrole compounds. <i>Pure and Applied Chemistry</i> , 2018 , 90, 253-270	2.1	10
88	Novel nanobiocomposite hydrogels based on gelatin/chitosan and functionalized graphene 2018 ,		1
87	SERINOL DERIVATIVES FOR THE SUSTAINABLE VULCANIZATION OF DIENE ELASTOMERS. <i>Rubber Chemistry and Technology</i> , 2018 , 91, 701-718	1.7	3

86	Domino Reaction for the Sustainable Functionalization of Few-Layer Graphene. <i>Nanomaterials</i> , 2018 , 9,	5-4	13
85	sp ² carbon allotropes in elastomer matrix: From master curves for the mechanical reinforcement to lightweight materials. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 265-283	3-4	7
84	Anisotropic properties of elastomeric nanocomposites based on natural rubber and sp ² carbon allotropes. <i>EXPRESS Polymer Letters</i> , 2018 , 12, 713-730	3-4	5
83	Controlled Functionalization of Graphene Layers 2017 ,		1
82	Master curves for the sulphur assisted crosslinking reaction of natural rubber in the presence of nano- and nano-structured sp ² carbon allotropes. <i>EXPRESS Polymer Letters</i> , 2017 , 11, 435-448	3-4	9
81	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. <i>Biomacromolecules</i> , 2017 , 18, 3978-3991	6.9	15
80	Reduction of filler networking in silica based elastomeric nanocomposites with exfoliated organo-montmorillonite. <i>Applied Clay Science</i> , 2017 , 135, 168-175	5-2	14
79	Hybrid filler systems in rubber nanocomposites 2017 , 349-414		6
78	FACILE FUNCTIONALIZATION OF sp ² CARBON ALLOTROPES WITH A BIOBASED JANUS MOLECULE. <i>Rubber Chemistry and Technology</i> , 2017 , 90, 285-307	1.7	17
77	Mechanical Reinforcement in a Polyisoprene Rubber by Hybrid Nanofillers. <i>Springer Series in Materials Science</i> , 2017 , 447-459	0.9	
76	Polyhydroxylated few layer graphene for the preparation of flexible conductive carbon paper. <i>RSC Advances</i> , 2016 , 6, 87767-87777	3-7	14
75	Anisotropic Nonlinear Mechanical Behavior in Carbon Nanotubes/Poly(1,4-cis-isoprene) Nanocomposites. <i>Macromolecules</i> , 2016 , 49, 8686-8696	5-5	8
74	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) from Hevea brasiliensis and Taraxacum kok-saghyz. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 1082-1090	3-2	19
73	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. <i>EXPRESS Polymer Letters</i> , 2016 , 10, 548-558	3-4	4
72	A low-environmental-impact approach for novel bio-composites based on PLLA/PCL blends and high surface area graphite. <i>European Polymer Journal</i> , 2015 , 70, 28-36	5-2	32
71	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. <i>Polymer</i> , 2015 , 63, 62-70	3-9	14
70	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. <i>RSC Advances</i> , 2015 , 5, 81142-81152	3-7	19
69	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> , 2015 , 104, 8-17	5-2	11

68	Random propene/4-methyl-1-pentene copolymers synthesized with C2 symmetric highly isospecific metallocenes. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 2575-2585	2.5	2
67	On the development of a facile approach based on the use of ionic liquids: preparation of PLLA (sc-PLA)/high surface area nano-graphite systems. <i>Green Chemistry</i> , 2015 , 17, 4082-4088	10	37
66	Delaminated and intercalated organically modified montmorillonite in poly(1,4-cis-isoprene) matrix. Indications of counterintuitive dynamic-mechanical behavior. <i>Applied Clay Science</i> , 2014 , 97-98, 8-16	5.2	19
65	RECENT ADVANCEMENTS IN RUBBER NANOCOMPOSITES. <i>Rubber Chemistry and Technology</i> , 2014 , 87, 417-442	1.7	29
64	Organoclays with hexagonal rotator order for the paraffinic chains of the compensating cation. Implications on the structure of clay polymer nanocomposites. <i>Applied Clay Science</i> , 2014 , 87, 179-188	5.2	17
63	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> , 2014 , 87, 197-218	1.7	39
62	Interactive effects between carbon allotrope fillers on the mechanical reinforcement of polyisoprene based nanocomposites. <i>EXPRESS Polymer Letters</i> , 2014 , 8, 436-449	3.4	28
61	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> , 2013 , 298, 241-251	3.9	32
60	Graphite oxide intercalation compounds with rotator hexagonal order in the intercalated layers. <i>Carbon</i> , 2013 , 61, 395-403	10.4	35
59	Structural and spectroscopic characterization of fluorinated dioxole based salts: a combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2013 , 1044, 109-115	3.4	
58	The origin of synergism between an organoclay and carbon black. <i>Applied Clay Science</i> , 2013 , 83-84, 449-456	4.56	12
57	Clay exfoliation and polymer/clay aerogels by supercritical carbon dioxide. <i>Frontiers in Chemistry</i> , 2013 , 1, 28	5	13
56	Nanocomposites of Poly(1,4-cis-Isoprene) with Graphite Oxide Intercalation Compounds. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 1931-1939	2.6	7
55	New tethered ansa-bridged zirconium catalysts: Insights into the Self-immobilization mechanism. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 1436-1447	2.5	3
54	CHAPTER 2:Nanofillers in Natural Rubber. <i>RSC Polymer Chemistry Series</i> , 2013 , 34-72	1.3	4
53	CHAPTER 23:Microscopy of Natural Rubber Composites and Nanocomposites. <i>RSC Polymer Chemistry Series</i> , 2013 , 649-682	1.3	1
52	The clay mineral modifier as the key to steer the properties of rubber nanocomposites. <i>Applied Clay Science</i> , 2012 , 61, 14-21	5.2	27
51	Enhancement of mechanical reinforcement due to hybrid filler networking promoted by an organoclay in hydrocarbon-based nanocomposites. <i>Applied Clay Science</i> , 2012 , 65-66, 57-66	5.2	26

50	Chemically Reduced Graphite Oxide with Improved Shape Anisotropy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24809-24813	3.8	59
49	Rubber Clay Nanocomposites 2012 ,		14
48	Organophilic Clay Minerals 2011 , 45-86		14
47	Chemistry of Rubber/Organoclay Nanocomposites 2011 , 127-144		3
46	Processing Methods for the Preparation of Rubber/Clay Nanocomposites 2011 , 145-179		2
45	Morphology of Rubber/Clay Nanocomposites 2011 , 181-240		1
44	Vulcanization Characteristics and Curing Kinetic of Rubber/Organoclay Nanocomposites 2011 , 275-303		3
43	Rubber/Clay Nanocomposites based on Apolar Diene Rubber 2011 , 367-407		
42	Structural Characterization of Pristine and Modified Fluoromica Using Multinuclear Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12517-12529	3.8	19
41	Isoselectivity and Steric Hindrance of C ₂ Symmetric Metallocenes as the Keys to Control Structural and Thermal Features of Ethene/4-Methyl-1-Pentene Copolymers. <i>Macromolecules</i> , 2011 , 44, 3712-3722	5.5	12
40	Toward block copolymers from nonliving isospecific single-site catalytic systems. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2063-2075	2.5	10
39	Control of organoclay structure in hydrocarbon polymers. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 679-684	3.2	15
38	Thermal stability of ammonium salts as compatibilizers in polymer/layered silicate nanocomposites. <i>E-Polymers</i> , 2009 , 9,	2.7	11
37	Thiol-Ene Radical Addition of L-Cysteine Derivatives to Low Molecular Weight Polybutadiene. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1471-1483	2.6	41
36	Formation of clay intercalates with organic bilayers in hydrocarbon polymers. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 135-142	3.2	27
35	Penultimate-Unit Effect in Ethene/4-Methyl-1-pentene Copolymerization for a Sequential Distribution of Comonomers. <i>Macromolecules</i> , 2008 , 41, 1104-1111	5.5	24
34	Clay Delamination in Hydrocarbon Rubbers. <i>Chemistry of Materials</i> , 2007 , 19, 2495-2499	9.6	50
33	Influence of Tacticity of Propylene Placement on Structure and Properties of Ethylene/Propylene Copolymers 2007 , 313-341		2

32	Penultimate Unit Effect in Ethene/Propene Copolymerization Promoted at High Temperature by Single Center Catalysts. <i>Macromolecules</i> , 2006 , 39, 8223-8228	5.5	17
31	Elastomeric Compounds with Silica. Lower Hysteresis in the Presence of Functionalised Isoprene Oligomers. <i>Macromolecular Symposia</i> , 2006 , 234, 203-210	0.8	2
30	Influence of regio- and stereoregularity of propene insertion on crystallization behavior and elasticity of ethene-propene copolymers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1566-7	16.4	21
29	Ethene/Propene Copolymerizations from Metallocene-Based Catalytic Systems: The Role of Comonomer Concentrations. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2029-2037	2.6	14
28	Ethene/propene copolymerisations with rac-EBTHIZrR ₂ /alumoxane: Ligands effect. <i>Journal of Molecular Catalysis A</i> , 2000 , 160, 229-236		11
27	NMR investigations of the reactivity between zirconocenes and alkyl-substituted aluminoxanes. <i>Journal of Molecular Catalysis A</i> , 2000 , 160, 107-114		18
26	Pseudohexagonal crystallinity and thermal and tensile properties of ethene/propene copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 1095-1103	2.6	20
25	Random ethene/propene copolymerization from a catalyst system based on a constrained geometry half-sandwich complex. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 214-218	4.8	36
24	Metallocenes for Ethene/Propene Copolymerizations with High Product of Reactivity Ratios. <i>Macromolecules</i> , 1999 , 32, 7968-7976	5.5	37
23	Ethene/Propene Copolymerization from Metallocene-Based Catalytic Systems: Role of the Alumoxane. <i>Macromolecules</i> , 1999 , 32, 258-263	5.5	40
22	Polymorphism of syndiotactic polypropylene in copolymers of propylene with ethylene and 1-butene. <i>Polymer</i> , 1998 , 39, 6219-6226	3.9	36
21	Catalysts for olefins polymerization. <i>Catalysis Today</i> , 1998 , 41, 159-168	5.3	28
20	Structural Characterization of Syndiotactic Copolymers of Propene with 1-Butene. <i>Macromolecules</i> , 1998 , 31, 9109-9115	5.5	41
19	Ethene/Propene Copolymerization with High Product of Reactivity Ratios from a Single Center, Metallocene-Based Catalytic System. <i>Macromolecules</i> , 1998 , 31, 3409-3416	5.5	54
18	Equilibrium Melting Temperature of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998 , 31, 6206-6210	5.5	50
17	Functionalized polymers from Ziegler-Natta catalysts. <i>Journal of Molecular Catalysis A</i> , 1995 , 101, 1-10		11
16	New polyolefin elastomers from metallocenes. <i>Macromolecular Symposia</i> , 1995 , 89, 259-275	0.8	13
15	Recent advances in propylene polymerization with MgCl ₂ supported catalysts. <i>Macromolecular Symposia</i> , 1995 , 89, 73-89	0.8	75

14	¹³ C NMR Studies of Ethylene-Propylene Copolymers Prepared with Homogeneous Metallocene-Based Ziegler-Natta Catalysts. <i>Macromolecules</i> , 1995 , 28, 3342-3350	5.5	40
13	Crystalline syndiotactic poly(1-pentene). <i>Macromolecular Rapid Communications</i> , 1994 , 15, 633-638	4.8	9
12	13. New Heterogeneous Catalysts for Polyolefins. <i>Studies in Surface Science and Catalysis</i> , 1994 , 139-151	1.8	3
11	MAS NMR characterization of syndiotactic polypropylene: crystal structure and amorphous phase conformation. <i>Macromolecules</i> , 1993 , 26, 5782-5789	5.5	73
10	Transition-metal organometallic compounds as cocatalysts in olefin polymerization with magnesium chloride-supported catalysts. <i>Macromolecules</i> , 1993 , 26, 6771-6775	5.5	4
9	Panel discussion II molecular mechanisms of polymerization catalysis. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993 , 66, 329-334		
8	Ethylene/propylene copolymers with vanadium-based catalysts: Cocatalyst effect. <i>Polymers for Advanced Technologies</i> , 1993 , 4, 429-434	3.2	4
7	Thermal behaviour of highly stereoregular syndiotactic polypropene from homogeneous catalysts. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 693-703		48
6	Syndiotactic polypropylene after drawing: The effect of stretching polymer chains on magic angle spinning NMR. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1992 , 13, 305-310		37
5	Syndiotactic poly[(S)-4-methyl-1-hexene]. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1992 , 13, 467-469		9
4	Copolymerization of ethylene with propene in the presence of homogeneous catalytic systems based on group 4 metallocenes and methylalumoxane: implications of the reactivity ratios on the reaction mechanism. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1991 , 12, 523-528		62
3	The chemistry of magnesium chloride supported catalysts for polypropylene. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991 , 48-49, 223-238		32
2	Enantioselective hydro-oligomerization (protio- or deuterio-) of Olefins. <i>Die Makromolekulare Chemie</i> , 1990 , 191, 1677-1688		49
1	Asymmetric deuteration and deuteriooligomerization of 1-pentene. <i>Journal of Organometallic Chemistry</i> , 1989 , 370, 1-7	2.3	36