

# Fabio Bertini

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7276076/fabio-bertini-publications-by-year.pdf>

**Version:** 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

110  
papers

2,638  
citations

29  
h-index

46  
g-index

113  
ext. papers

2,842  
ext. citations

4.4  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
110	Lightweight polyethylene-hollow glass microspheres composites for rotational molding technology. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49766	2.9	1
109	Flexible Polyurethane Foams from Epoxidized Vegetable Oils and a Bio-Based Diisocyanate. <i>Polymers</i> , <b>2021</b> , 13,	4.5	8
108	Polyurethane-Based Composites: Effects of Antibacterial Fillers on the Physical-Mechanical Behavior of Thermoplastic Polyurethanes. <i>Polymers</i> , <b>2020</b> , 12,	4.5	18
107	Towards a more sustainable circular bioeconomy. Innovative approaches to rice residue valorization: The RiceRes case study. <i>Bioresource Technology Reports</i> , <b>2020</b> , 11, 100427	4.1	7
106	Polyurethane-Based Coatings with Promising Antibacterial Properties. <i>Materials</i> , <b>2020</b> , 13,	3.5	5
105	Semibatch Terpolymerization of Ethylene, Propylene, and 5-Ethylidene-2-norbornene: Heterogeneous High-Ethylene EPDM Thermoplastic Elastomers. <i>Macromolecules</i> , <b>2020</b> , 53, 5881-5894	5.5	9
104	Changing the Electronic Polarizability of Monolayer MoS <sub>2</sub> by Perylene-Based Seeding Promoters. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000791	4.6	4
103	(Micro)structure, thermal behavior and mechanical properties of ethylene-propylene-octadecene terpolymers from chain-walking polymerization of 1-octadecene. <i>Polymer</i> , <b>2019</b> , 166, 27-37	3.9	13
102	Homo- and Copolymerization of Ethylene with Norbornene Catalyzed by Vanadium(III) Phosphine Complexes. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
101	Lightweight Poly( $\epsilon$ -Caprolactone) Composites with Surface Modified Hollow Glass Microspheres for Use in Rotational Molding: Thermal, Rheological and Mechanical Properties. <i>Polymers</i> , <b>2019</b> , 11,	4.5	16
100	Copolymerization of ethylene with propylene and higher $\alpha$ -olefins catalyzed by (imido)vanadium(IV) dichloride complexes. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6200-6216	4.9	9
99	Chain-Walking Polymerization of $\alpha$ -Olefins by $\beta$ -Diimine Ni(II) Complexes: Effect of Reducing the Steric Hindrance of Ortho- and Para-Aryl Substituents on the Catalytic Behavior, Monomer Enchainment, and Polymer Properties. <i>Macromolecules</i> , <b>2018</b> , 51, 801-814	5.5	37
98	Concerted Electron Transfer in Iminopyridine Chromium Complexes: Ligand Effects on the Polymerization of Various (Di)olefins. <i>Organometallics</i> , <b>2018</b> , 37, 4827-4840	3.8	7
97	Reinforcing poly( $\epsilon$ -caprolactone) with hollow glass microspheres and hemp fibers [Morphological, rheological and mechanical properties <b>2018</b> ,		1
96	Light weight LDPE composites with surface modified hollow glass microspheres <b>2018</b> ,		1
95	Homo- and Co-Polymerization of Ethylene with Cyclic Olefins Catalyzed by Phosphine Adducts of (Imido)vanadium(IV) Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 3181-3195	3.8	12
94	Polyolefin thermoplastic elastomers from 1-octene copolymerization with 1-decene and cyclopentene. <i>European Polymer Journal</i> , <b>2017</b> , 93, 200-211	5.2	19

93	Addition Oligomerization of Dicyclopentadiene: Reactivity of Endo and Exo Isomers and Postmodification. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600602	2.6	13
92	Vanadium(III)-Catalyzed copolymerization of ethylene with norbornene: Microstructure at tetrad level and reactivity ratios. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 424, 220-231		17
91	Effect of Individualized Cellulose Fibrils on Properties of Poly(Methyl Methacrylate) Composites. <i>Journal of Macromolecular Science - Physics</i> , <b>2016</b> , 55, 867-883	1.4	2
90	Influence of lignin on morphology, structure and thermal behavior of polylactic acid-based biocomposites <b>2016</b> ,		2
89	Terpolymerization of Substituted Cycloolefin with Ethylene and Norbornene by Transition Metal Catalyst. <i>Polymers</i> , <b>2016</b> , 8,	4.5	3
88	Polyolefin thermoplastic elastomers from 1-octene chain-walking polymerization. <i>Polymer</i> , <b>2016</b> , 100, 37-44	3.9	41
87	Ni(II) Diimine-Catalyzed Olefins Polymerization: Thermoplastic Elastomers of Block Copolymers. <i>Macromolecules</i> , <b>2015</b> , 48, 1304-1312	5.5	73
86	Design of perylene diimides for organic solar cell: Effect of molecular steric hindrance and extended conjugation. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 163, 152-160	4.4	13
85	Structure and thermal properties of ethylene/4-methyl-1-pentene copolymers: Effect of comonomer and monomer sequence distribution. <i>European Polymer Journal</i> , <b>2015</b> , 73, 423-432	5.2	7
84	Enhanced elasticity in parylene thin films by copolymerization approach. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 7547-7555	4.3	5
83	Copolymerization of ethylene with olefins and cyclic olefins catalyzed by a Ti(IV) diisopropoxy complex bearing a tridentate [O <sub>3</sub> S <sub>3</sub> O] <sup>+</sup> -type bis(phenolato) ligand. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3412	4.9	15
82	Ethylene- <i>m</i> -methyl-1-pentene copolymers of complex chain architecture using diimine Ni(II) catalysts: synthesis, <sup>13</sup> C NMR assignment and understanding the chain-walking mechanism. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2065	4.9	12
81	New diketopyrrolopyrrole based DAD conjugated molecules: Synthesis, optical, electrochemical, morphological and photovoltaic properties. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 147, 365-370	4.4	3
80	Miscible blends of polylactide and poly(methyl methacrylate): Morphology, structure, and thermal behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2014</b> , 52, 1168-1177	2.6	33
79	Structural characterization and thermal behaviour of wool keratin hydrolizates-polypropylene composites. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	6
78	A versatile click-grafting approach to surface modification of silk fibroin films. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 7004-7010	4.3	11
77	Wool keratin-polypropylene composites: Properties and thermal degradation. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 980-987	4.7	63
76	Hierarchically structured, blue-emitting polymer hybrids through surface-initiated nitroxide-mediated polymerization and water templated assembly. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6585	7.1	13

75	Poly(styrene)-graft-/rhodamine 6G/fluoromica hybrids: synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1450	7.1	16
74	Improving the efficiency of P3HT:perylene diimide solar cells via bay-substitution with fused aromatic rings. <i>RSC Advances</i> , <b>2013</b> , 3, 9185	3.7	20
73	Synthesis and characterization of new electron acceptor perylene diimide molecules for photovoltaic applications. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 329-338	4.6	51
72	Influence of hydrogenated oligo(cyclopentadiene) on the structure and the thermal degradation of polypropylene-based nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 81-87	4.7	8
71	Effect of ligno-derivatives on thermal properties and degradation behavior of poly(3-hydroxybutyrate)-based biocomposites. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1979-1987	4.7	89
70	Ethylene-co-Norbornene Copolymers Grafted Carbon Nanotube Composites by In Situ Polymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 627-634	2.6	9
69	Living copolymerization of ethylene with norbornene by fluorinated enolato-imine titanium catalyst. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 3867-3874	2.5	10
68	A controlled approach to iron oxide nanoparticles functionalization for magnetic polymer brushes. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 360, 540-7	9.3	39
67	Synthesis and characterization of perylene-based donor-acceptor copolymers containing triple bonds. <i>Synthetic Metals</i> , <b>2010</b> , 160, 996-1001	3.6	17
66	Unsoluble ordered polymeric pattern by breath figure approach. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1483		29
65	Hydroxyl-Functionalized Norbornene Based Co- and Terpolymers by Scandium Half-Sandwich Catalyst. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 897-904	2.6	21
64	Synthesis of donor-acceptor poly(perylene diimide-altoligothiophene) copolymers as n-type materials for polymeric solar cells. <i>Polymer</i> , <b>2010</b> , 51, 2264-2270	3.9	43
63	Crystalline and supermolecular structure evolution of poly(ethylene terephthalate) during isothermal crystallization and annealing treatment by means of wide and small angle X-ray investigations. <i>European Polymer Journal</i> , <b>2010</b> , 46, 270-276	5.2	27
62	Structure-property relationships in densely grafted $\pi$ -stacked polymers. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 2446-2461	2.5	20
61	Designed organo-layered silicates as nanoreactors for 1,3-butadiene stereospecific polymerization toward rubber nanocomposites synthesis. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4473-4483	2.5	19
60	Synthesis of Polybutadiene Nanocomposites: In situ Polymerization of 1,3-Butadiene Catalyzed by Phyllosilicate Interlayer Spacing-Confined Cobalt(II) Phosphine Complexes. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 279-286	2.6	9
59	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
58	Structural investigation on bulk poly(3-hexylthiophene): Combined SAXS, WAXD, and AFM studies. <i>European Polymer Journal</i> , <b>2009</b> , 45, 2572-2579	5.2	18

57	Thermal behavior and pyrolysis products of modified organo-layered silicates as intermediates for in situ polymerization. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2009</b> , 86, 74-81	6	9
56	Thermal behavior of syndiotactic E-1,2-poly(3-methyl-1,3-pentadiene). <i>European Polymer Journal</i> , <b>2009</b> , 45, 923-931	5.2	2
55	Synthesis and Spontaneous Polymerization of Oligo(ethylene glycol)-Conjugated Benzofulvene Macromonomers. A Polymer Brush Forming a Physical Hydrogel. <i>Macromolecules</i> , <b>2009</b> , 42, 2368-2378	5.5	32
54	Vinyl-Type Addition Polymerization of Norbornene and Synthesis of Norbornene Macromonomers in the Presence of Ethylene Catalyzed by Cobalt(II)Phosphine Complexes. <i>Macromolecules</i> , <b>2009</b> , 42, 9231-9237	5.5	20
53	Nanophase separation in polystyrene-polyfluorene block copolymers thin films prepared through the breath figure procedure. <i>Langmuir</i> , <b>2009</b> , 25, 5333-8	4	41
52	Bio-based conductive composites: Preparation and properties of polypyrrole (PPy)-coated silk fabrics. <i>Synthetic Metals</i> , <b>2009</b> , 159, 246-253	3.6	108
51	Synthesis and characterization of new azomethine derivatives exhibiting liquid crystalline properties. <i>Liquid Crystals</i> , <b>2009</b> , 36, 21-32	2.3	31
50	Synthesis and Characterization of Isotactic 1,2-Poly(E-3-methyl-1,3-pentadiene). Some Remarks about the Influence of Monomer Structure on Polymerization Stereoselectivity. <i>Macromolecules</i> , <b>2009</b> , 42, 3048-3056	5.5	27
49	Properties and performance of polypyrrole (PPy)-coated silk fibers. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 698-707		46
48	In situ polymerization of ethylene using metallocene catalysts: Effect of clay pretreatment on the properties of highly filled polyethylene nanocomposites. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5390-5403	2.5	28
47	Influence of the Composition on Crystal Phase and Thermal Behavior of trans-1,4-Butadiene/Isoprene Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 2551-2559	2.6	5
46	Ethylene/Norbornene Copolymerization by Carbon Nanotube-Supported Metallocene Catalysis: Generation of High-Performance Polyolefinic Nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 822-827	4.8	27
45	Thermal behaviour and degradation of a liquid crystalline alkylene-aromatic polyester: Poly(decamethylene-fumaroyl-bis-4-oxybenzoate). <i>Polymer Degradation and Stability</i> , <b>2007</b> , 92, 1669-1676	4.7	5
44	Butadiene/Isoprene copolymerization with V(acac) <sub>3</sub> -MAO. Crystalline and amorphous trans-1,4 copolymers. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 4635-4646	2.5	26
43	Synthesis and structural characterization of syndiotactic trans-1,2 and cis-1,2 polyhexadienes. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 5339-5353	2.5	19
42	Supermolecular structure and thermal properties of poly(ethylene terephthalate)/lignin composites. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 3151-3157	8.6	108
41	Synthesis and Characterization of Syndiotactic 1,2-Poly(3-methyl-1,3-pentadiene). <i>Macromolecules</i> , <b>2007</b> , 40, 7238-7243	5.5	26
40	Electrochemical, Magnetic, and Electrical Properties of $\mu$ -Capped Sexithiophene Films. 2. Conduction in Sexithiophenes with $\mu$ -Aryl-Extended Conjugation. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3151-3161	9.6	14

39	Seven- and eight-membered saturated fused rings zirconium and titanium metallocenes: A route for the synthesis of elastomeric polypropylene. <i>Kinetics and Catalysis</i> , <b>2006</b> , 47, 268-273	1.5	4
38	Thermal degradation behaviour of isotactic polypropylene blended with lignin. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 494-498	4.7	117
37	Characterization and thermal degradation of polypropylene/montmorillonite nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 600-605	4.7	98
36	Investigation on the thermal degradation of acrylic polymers with fluorinated side-chains. <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 512-516	4.7	28
35	Investigation of the thermal degradation of fully aromatic regular polyesters: Poly(oxy-1,4-phenyleneoxy-fumaroyl-bis-4-oxybenzoate). <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 3214-3220	4.7	24
34	Thermal characterization and annealing effects of polythiophene/fullerene photoactive layers for solar cells. <i>Thin Solid Films</i> , <b>2006</b> , 511-512, 489-493	2.2	35
33	Synthesis, Characterization, and Crystalline Structure of Syndiotactic 1,2-Polypentadiene: The Trans Polymer. <i>Macromolecules</i> , <b>2005</b> , 38, 8345-8352	5.5	35
32	Unbridged Zirconium and Titanium Metallocenes with Seven- or Eight-Saturated Fused-Ring Ligands: a Route for the Synthesis of Stereoblock Polypropene. <i>Macromolecules</i> , <b>2005</b> , 38, 7231-7240	5.5	4
31	Synthesis and X-ray Structure of CoCl <sub>2</sub> (PiPrPh <sub>2</sub> ) <sub>2</sub> . A New Highly Active and Stereospecific Catalyst for 1,2 Polymerization of Conjugated Dienes When Used in Association with MAO. <i>Macromolecules</i> , <b>2005</b> , 38, 1064-1070	5.5	85
30	Investigation on the thermal degradation of poly-n-alkyl acrylates and poly-n-alkyl methacrylates (C1-C12). <i>Polymer Degradation and Stability</i> , <b>2005</b> , 89, 233-239	4.7	47
29	Fullerene C60 as stabiliser for acrylic polymers. <i>Polymer Degradation and Stability</i> , <b>2005</b> , 90, 28-33	4.7	33
28	Synthesis, Characterization and Molecular Conformation of Syndiotactic 1,2 Polypentadiene: The Cis Polymer. <i>Macromolecules</i> , <b>2005</b> , 38, 8353-8361	5.5	19
27	Crystallization and melting behavior of trans-1,2-syndiotactic polypentadiene. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 1970-1976	2.9	2
26	Crystallization and melting behavior of 1,2-syndiotactic polybutadiene. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1680-1687	2.9	15
25	Effect of Titanium on Fluxional Behavior of Unbridged Metallocene Catalysts. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1845-1850	4.8	4
24	Thermal characterization of butadiene-isoprene copolymers with a 1,2/3,4 structure. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 2737-2743	2.9	4
23	Hardware components wastes pyrolysis: energy recovery and liquid fraction valorisation. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2003</b> , 70, 263-276	6	12
22	Thermal degradation of alkyne-containing polystyrenes. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2003</b> , 68-69, 61-81	6	16

21	Propene-Norbornene Copolymers: Synthesis and Analysis of Polymer Structure by $^{13}\text{C}$ NMR Spectroscopy and ab Initio Chemical Shift Computations. <i>Macromolecules</i> , <b>2003</b> , 36, 882-890	5.5	36
20	1,2 Syndiotactic polybutadiene of controlled crystallinity by butadiene-isoprene copolymerization with $\text{CrCl}_2(\text{dmpe})_2$ -MAO. <i>Polymer Bulletin</i> , <b>2002</b> , 48, 25-31	2.4	22
19	Characterization of co- and terpolymers of carbon monoxide and olefins by pyrolysis-gas chromatography. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2002</b> , 64, 279-303	6	0
18	Solid-State Optical and Structural Modifications Induced by Temperature in a Chiral Poly-3-alkylthiophene. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4819-4826	9.6	35
17	Synthesis and crystal structure and optical properties of fluorenic-core oligomers. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 924-933		53
16	Thermal degradation of para-substituted polystyrenes. <i>Polymer Degradation and Stability</i> , <b>2001</b> , 71, 213-221	4.7	16
15	Preparation of Ethene/Carbon Monoxide Copolymers Using Copper-Based Catalysts and Their Characterization by Pyrolysis-Gas Chromatography. <i>Macromolecular Rapid Communications</i> , <b>2001</b> , 22, 598-600	4.8	3
14	A Comb-Like Alternating Copolymer of Thiophene and Hydroxyalkylthiophene: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 3477-3483	2.6	3
13	New fluorene based tetramers for electroluminescence applications. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1647-1648	1.6	3
12	Investigation of thermal degradation of poly-(4-n-alkylstyrenes) with long alkyl chain ( $\text{C}_6\text{H}_{10}$ ) by pyrolysis-gas chromatography/mass spectrometry. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 69, 169-174	4.7	6
11	Thermal degradation of alternating styrene-carbon monoxide copolymers. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>1999</b> , 49, 31-42	6	3
10	Hydrous pyrolysis of silica-supported polystyrene. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 70, 2291-2298	2.9	9
9	New chemical recycling methodologies: Hydrous pyrolysis to recover monomers from polyolefins. <i>Macromolecular Symposia</i> , <b>1998</b> , 135, 175-182	0.8	2
8	Alternating olefin-carbon monoxide copolymers and their derivatives Preparation and characterization by pyrolysis-gas chromatography/mass spectrometry (Py-GC/MS). <i>Journal of Analytical and Applied Pyrolysis</i> , <b>1997</b> , 40-41, 331-345	6	8
7	Polystyrene thermodegradation. III. Effect of acidic catalysts on radical formation and volatile product distribution. <i>Applied Catalysis A: General</i> , <b>1995</b> , 127, 139-155	5.1	26
6	Thermal behavior and degradation mechanism of brominated polystyrenes. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>1995</b> , 33, 213-230	6	16
5	Thermal degradation of chlorinated polystyrenes. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>1994</b> , 28, 205-217	6	19
4	Catalytic degradation of polyolefins. <i>Makromolekulare Chemie Macromolecular Symposia</i> , <b>1992</b> , 57, 191-209		34

3	Molecular weight and pyrolysis products distribution of polymers. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>1992</b> , 24, 61-74	6	61
2	Catalytic degradation of polymers: Part III Degradation of polystyrene. <i>Polymer Degradation and Stability</i> , <b>1990</b> , 29, 191-200	4-7	73
1	Catalytic degradation of polymers: Part II Degradation of polyethylene. <i>Polymer Degradation and Stability</i> , <b>1989</b> , 26, 209-220	4-7	87