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## 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.

106  
papers

2,771  
citations

29  
h-index

49  
g-index

109  
ext. papers

2,979  
ext. citations

4.5  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
106	Enhancing electrical properties of impact polypropylene copolymer for eco-friendly power cable insulation by manipulating the multiphase structure through molten-state annealing. <i>Composites Science and Technology</i> , <b>2022</b> , 223, 109422	8.6	2
105	Impact polypropylene copolymers containing multifold H-shape long-chain-branching structures: Synthesis and properties. <i>Polymer</i> , <b>2022</b> , 252, 124942	3.9	0
104	Industrial Adaptability of the Ziegler-Natta Catalyst-Friendly Synthesis of Long-Chain-Branched Polypropylene Based on $\alpha$ -Alkenylmethylchlorosilane-Assisted Propylene Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 4589-4601	3.9	3
103	Nanocomposites-Turned-Nanoalloys Polypropylene/Multiwalled Carbon Nanotubes-graft-Polystyrene: Synthesis and Polymer Nanoreinforcement. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 10167-10179	3.9	0
102	Assessing 1,9-Decadiene/Ethylene Copolymerization with Ziegler-Natta Catalyst to Access Long Chain-Branched Polyethylene. <i>ACS Omega</i> , <b>2021</b> , 6, 675-679	3.9	1
101	Blending Behavior of High-Degree Long-Chain-Branched Polypropylene Prepared by Ziegler-Natta Catalysis with Common Polypropylene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 13614-13626	3.9	3
100	Assessing 1,9-Decadiene/Propylene Copolymerization with Ziegler-Natta Catalysts to Long-Chain-Branched Polypropylene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 12038-12047	3.8	6
99	$\alpha$ -Alkenylmethylchlorosilane-assisted propylene polymerization with Ziegler-Natta catalyst to long chain-branched polypropylene. <i>Polymer</i> , <b>2020</b> , 202, 122737	3.9	6
98	Investigation of Chain Microstructure of Polypropylene Polymerized by Ziegler-Natta Catalysts with Diester and Diether Compound as Internal Donor via Hydrogen Chain Transfer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 1836-1844	3.9	5
97	Nonconjugated $\beta$ -Diolen/Propylene Copolymerization to Long Chain-Branched Polypropylene by Ziegler-Natta Catalyst: Overcoming Steric Hindrance by Introducing an Extra Electronic Pulling Effect. <i>Macromolecules</i> , <b>2018</b> , 51, 9234-9249	5.5	11
96	New effort to synthesize star isotactic polypropylene. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 3347-3354	4.9	5
95	Inherently flame retardant polypropylene copolymer. <i>Polymer</i> , <b>2017</b> , 126, 109-115	3.9	5
94	Simultaneous cross-linking as a way to control physical growth of random ethylene-propylene copolymer during formation of high-impact polypropylene. <i>Polymer</i> , <b>2016</b> , 85, 10-18	3.9	5
93	Recent key developments in isotactic polypropylene in-reactor alloy and in-reactor nanocomposite technology. <i>Science China Chemistry</i> , <b>2016</b> , 59, 1231-1239	7.9	5
92	Comonomer-induced stereo-selectivity enhancement in a $c_2$ -symmetric metallocene-catalyzed propylene polymerization. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 733-8	4.8	1
91	Synthesis of polypropylene nanocomposites using graphite oxide-intercalated Ziegler-Natta catalyst. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 798, 311-316	2.3	11
90	Macromol. Rapid Commun. 22/2015. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 2024-2024	4.8	

89	Precision Polyolefin Nanoalloy Polypropylene/Poly(ε-caprolactone). <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1971-8	4.8	3
88	Regio-chemistry control in propylene/isoprene copolymerization by metallocene catalysts. <i>Polymer International</i> , <b>2015</b> , 64, 1023-1029	3.3	5
87	Macromol. Rapid Commun. 8/2015. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 784-784	4.8	
86	Regiochemistry-Aligned Copolymerization of Propylene with p-Methylstyrene and 1,4-Divinylbenzene Using an ansa-Metallocene Catalyst. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 1776-1784	2.6	2
85	Crystallization behaviors in the isotactic polypropylene/graphene composites. <i>Polymer</i> , <b>2014</b> , 55, 4125-4135	3.5	39
84	Two-in-One catalysis of broad/bimodal molecular-weight-distribution polypropylene by a combination of Ziegler-Natta and metallocene catalysts. <i>Applied Catalysis A: General</i> , <b>2014</b> , 484, 142-147	5.1	6
83	Synthesis of low dispersity star-like polyethylene: a combination of click chemistry and a sol-gel process. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3963-3967	4.9	13
82	Synthesis and Properties of Polyethylene-Bound Antioxidants. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 763-775	2.6	28
81	Facile synthesis of chain end functionalized polyethylenes via epoxide ring-opening and thiol-ene addition click chemistry. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 105-115	4.9	41
80	How does a polymerized compounding affect the nucleation effect of a sorbitol derivative nucleating agent in isotactic polypropylene melt crystallization?. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 888-903	2.9	7
79	Interpenetrating network formation in isotactic polypropylene/graphene composites. <i>Polymer</i> , <b>2013</b> , 54, 3680-3690	3.9	36
78	Synthesis of styryl-capped polypropylene via metallocene-mediated coordination polymerization: Apply to polypropylene macromolecular engineering. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2013</b> , 31, 550-562	3.5	4
77	DESIGN AND SYNTHESIS OF POLYPROPYLENE b POLYPHOSPHATE BLOCK COPOLYMERS. <i>Acta Polymerica Sinica</i> , <b>2013</b> , 013, 518-525		
76	NEW IMPACT POLYPROPYLENE ALLOY CONTAINING CROSS-LINKING RUBBER PHASE. <i>Acta Polymerica Sinica</i> , <b>2013</b> , 013, 576-582		
75	Morphology and mechanical properties of polypropylene/poly (propylene-1-octene) in-reactor alloys prepared by Metallocene/Ziegler-Natta hybrid catalyst. <i>Polymer</i> , <b>2012</b> , 53, 1507-1516	3.9	31
74	Effects of liquid-liquid phase separation on crystallization kinetics and morphology of isotactic polypropylene/poly (ethylene-co-octene) in-reactor alloy. <i>Polymer</i> , <b>2012</b> , 53, 2465-2475	3.9	12
73	PE/OMMT nanocomposites prepared by in situ polymerization approach: Effects of OMMT-intercalated catalysts and silicate modifications. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 3106-3116	2.9	6
72	Propylene polymerization over MgCl <sub>2</sub> -supported TiCl <sub>4</sub> catalysts bearing different amounts of a diether internal electron donor: Extrapolation to the role of internal electron donor on active site. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 1265-1270	2.9	14

71	Fabrication of long chain branched polypropylene using click chemistry. <i>Polymer Bulletin</i> , <b>2012</b> , 68, 949-959		8
70	Functionalized multi-walled carbon nanotubes with stereospecific Ziegler-Natta catalyst species: Towards facile in situ preparation of polypropylene nanocomposites. <i>Applied Catalysis A: General</i> , <b>2012</b> , 435-436, 107-114	5.1	11
69	Reduction of Graphite Oxide with a Grignard Reagent for Facile In Situ Preparation of Electrically Conductive Polyolefin/Graphene Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 720-728	2.6	29
68	Mechanisms of nucleation and crystal growth in a nascent isotactic polypropylene/poly (ethylene-co-octene) in-reactor alloy investigated by temperature-resolved synchrotron SAXS and DSC methods. <i>Polymer</i> , <b>2011</b> , 52, 4590-4599	3.9	22
67	Synthesis of azide end-functionalized isotactic polypropylene building block and renewed modular synthesis of diblock copolymers of isotactic polypropylene and poly( $\epsilon$ -caprolactone). <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2222-2232	2.5	8
66	Synthesis and crystallization behavior study of syndiotactic polystyrene-g-isotactic polypropylene (sPS-g-iPP) graft copolymers. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2734-2745	2.5	10
65	Fabrication of nanofillers into a granular "nanosupport" for Ziegler-Natta catalysts: towards scalable in situ preparation of polyolefin nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1052-9	4.8	17
64	PE/OMMT nanocomposites catalyzed by the OMMT-intercalated Et[Ind] <sub>2</sub> ZrCl <sub>2</sub> in slurry polymerization: Effects of organic solvent on ethylene polymerization behaviors and the nanocomposite structures. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 190-200	2.9	1
63	Enhancement of graft yield and control of degradation during polypropylene maleation in the presence of polyfunctional monomer. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2512-2517	2.9	13
62	Facile functionalization of isotactic polypropylene by azide and alkyne groups for click chemistry application. <i>Applied Organometallic Chemistry</i> , <b>2011</b> , 25, 632-637	3.1	24
61	Synthesis of Star Isotactic Polypropylene Using Click Chemistry. <i>Macromolecules</i> , <b>2010</b> , 43, 8331-8335	5.5	28
60	Polypropylene/Graphene Oxide Nanocomposites Prepared by In Situ Ziegler-Natta Polymerization. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4096-4102	9.6	245
59	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 452-456	2.2	1
58	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 324-328	2.2	2
57	A novel effect of bis(6-heptenyl)zinc on the molecular weight and rheologic performance of polypropylene produced by rac-Me <sub>2</sub> Si[2-Me-4-Ph-Ind] <sub>2</sub> ZrCl <sub>2</sub> /MAO. <i>Polymer Bulletin</i> , <b>2010</b> , 65, 779-786	2.4	4
56	Synthesis of a new salphen-type titanium complex and its application in ethylene polymerization and copolymerization. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, 503-508	3.1	5
55	Alkyl exchange reaction between dialkylzinc compounds and methylaluminumoxane and the effect on propylene polymerization. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, 641-645	3.1	8
54	Ethylene/propylene copolymerization over three conventional C <sub>2</sub> -symmetric metallocene catalysts: Correlation between catalyst configuration and copolymer microstructure. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 3218-3226	2.9	16

53	Magnesium chloride supported Ziegler-Natta catalysts containing succinate internal electron donors for the polymerization of propylene. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	9
52	Borane chain transfer reaction in olefin polymerization using trialkylboranes as chain transfer agents. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3534-3541	2.5	26
51	Catalytic synthesis of styryl-capped isotactic polypropylenes. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3709-3713	2.5	12
50	Synthesis of i-PP-based functional block copolymer by a facile combination of styryl-capped i-PP and ATRP. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 5783-5789	2.5	9
49	Crystallization behavior and crystallization kinetic studies of isotactic polypropylene modified by long-chain branching polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 2180-2194	2.9	18
48	Preparation of nano-compounded polyolefin materials through in situ polymerization technique: status quo and future prospects. <i>Science Bulletin</i> , <b>2009</b> , 54, 38-45		7
47	Probing into the pristine basic morphology of high impact polypropylene particles. <i>Polymer</i> , <b>2009</b> , 50, 4690-4695	3.9	18
46	On the Cascade Polymerization Process Consisting of Metallocene Polymerization and ATRP to Prepare i-PP-Based Polar Block Copolymers. <i>Macromolecular Reaction Engineering</i> , <b>2009</b> , 3, 91-100	1.5	9
45	Cross-Linked Polypropylene Prepared by PP Copolymers Containing Flexible Styrene Groups. <i>Macromolecules</i> , <b>2009</b> , 42, 3750-3754	5.5	43
44	Catalytic synthesis and characterization of well-defined polypropylene graft copolymers. <i>Catalysis Communications</i> , <b>2008</b> , 10, 61-67	3.2	10
43	Synthesis of Chain End Functional Isotactic Polypropylene by the Combination of Metallocene/MAO Catalyst and Organoborane Chain Transfer Agent. <i>Macromolecules</i> , <b>2008</b> , 41, 8452-8457	5.5	30
42	Nascent Phase Separation and Crystallization Kinetics of an iPP/PEOc Polymer Alloy Prepared on a Single Multicatalyst Reactor Granule. <i>Macromolecules</i> , <b>2008</b> , 41, 1421-1429	5.5	33
41	A novel effective way of comprising a nucleating agent in isotactic polypropylene (i-PP): Polymerized dispersion and polymer characterization. <i>Polymer</i> , <b>2008</b> , 49, 5053-5063	3.9	93
40	A comparison study on the melt crystallization kinetics of long chain branched and linear isotactic polypropylenes. <i>Science Bulletin</i> , <b>2008</b> , 53, 188-197		20
39	Foaming behavior of polypropylene/polystyrene blends enhanced by improved interfacial compatibility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 1641-1651	2.6	58
38	Cell coalescence suppressed by crosslinking structure in polypropylene microcellular foaming. <i>Polymer Engineering and Science</i> , <b>2008</b> , 48, 1312-1321	2.3	73
37	In situ compatibilization of polypropylene/polystyrene blend by controlled degradation and reactive extrusion. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 111, NA-NA	2.9	1
36	Foaming behavior of isotactic polypropylene in supercritical CO <sub>2</sub> influenced by phase morphology via chain grafting. <i>Polymer</i> , <b>2008</b> , 49, 3146-3156	3.9	71

35	Conformation transition and crystalline phase variation of long chain branched isotactic polypropylenes (LCB-iPP). <i>Polymer</i> , <b>2007</b> , 48, 870-876	3.9	31
34	Is isoprene capable of being a comonomer under metallocene catalysis to reach side chain-unsaturated isotactic polypropylene?. <i>Polymer</i> , <b>2007</b> , 48, 1533-1540	3.9	9
33	An in situ matrix functionalization approach to structure stability enhancement in polyethylene/montmorillonite nanocomposites prepared by intercalative polymerization. <i>Polymer</i> , <b>2007</b> , 48, 4005-4014	3.9	19
32	In-Reactor Compounding Metallocenic Isotactic Poly(propylene)/Nucleation Agent Compositions by Employing the Nucleation Agent as a Catalyst Support. <i>Macromolecular Reaction Engineering</i> , <b>2007</b> , 1, 307-312	1.5	11
31	Preparation of polypropylene/montmorillonite nanocomposites by intercalative polymerization: Effect of in situ polymer matrix functionalization on the stability of the nanocomposite structure. <i>Science Bulletin</i> , <b>2007</b> , 52, 181-187		6
30	Efficient preparation of isotactic polypropylene/montmorillonite nanocomposites by in situ polymerization technique via a combined use of functional surfactant and metallocene catalysis. <i>Polymer</i> , <b>2007</b> , 48, 6254-6261	3.9	38
29	Preparation of exfoliated isotactic polypropylene/alkyl-triphenylphosphonium-modified montmorillonite nanocomposites via in situ intercalative polymerization. <i>Polymer</i> , <b>2006</b> , 47, 1767-1771	3.9	55
28	Novel organic modification of montmorillonite in hydrocarbon solvent using ionic liquid-type surfactant for the preparation of polyolefin/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 4314-4320	2.9	25
27	Copolymerization of Ethylene and 10-Undecen-1-ol using a Montmorillonite-Intercalated Metallocene Catalyst: Synthesis of Polyethylene/Montmorillonite Nanocomposites with Enhanced Structural Stability. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1278-1283	4.8	40
26	Compatible Polyethylene/Polyvinyl Chloride Particle Hybrids Prepared by in-situ Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2006</b> , 43, 1651-1656	2.2	0
25	Synthesis of polypropylene graft copolymers from a hydroxyl-groups-containing polypropylene precursor via atom-transfer radical polymerization. <i>Polymer International</i> , <b>2006</b> , 55, 675-680	3.3	8
24	A new synthetic route to borane-terminated isotactic polypropylenes via styrene/hydrogen consecutive chain transfer reaction. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 539-548	2.5	20
23	Synthesis of polypropylene block copolymers from brominated styrene-terminated isotactic polypropylene. <i>European Polymer Journal</i> , <b>2006</b> , 42, 1043-1050	5.2	9
22	Design and synthesis of structurally well-defined functional polyolefins via transition metal-mediated olefin polymerization chemistry. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 47-65	23.2	238
21	One-Pot Process of Preparing Long Chain Branched Polypropylene Using C <sub>2</sub> -Symmetric Metallocene Complex and a $\eta^5$ -Reagent. <i>Macromolecules</i> , <b>2005</b> , 38, 5849-5853	5.5	34
20	An examination of aluminum chain transfer reaction in <i>rac</i> -Me <sub>2</sub> Si[2-Me-4-Naph-Ind] <sub>2</sub> ZrCl <sub>2</sub> /MAO-catalyzed propylene polymerization and synthesis of aluminum-terminated isotactic polypropylene with controlled molecular weight. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , <b>2005</b> , 43, 2111-2120		22
19	Structural and morphological development in poly(ethylene-co-hexene) and poly(ethylene-co-butylene) blends due to the competition between liquid-liquid phase separation and crystallization. <i>Polymer</i> , <b>2005</b> , 46, 2675-2684	3.9	26
18	Atomic force microscopy study of the lamellar growth of isotactic polypropylene. <i>Polymer</i> , <b>2005</b> , 46, 4077-4087	3.9	93

17	Synthesis of well-defined functional PE graft copoly-mers via ATRP process. <i>Science Bulletin</i> , <b>2005</b> , 50, 1048		1
16	A Closed-Loop Phase Diagram in a Weakly Interacting Polyolefin Copolymer Binary Blend System. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 973-978	4.8	13
15	Hydrogen-Assisted Unique Incorporation of 1,4-Divinylbenzene in Copolymerization with Propylene Using an Isospecific Zirconocene Catalyst. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1936-1941	4.8	12
14	Morphologies of long chain branched isotactic polypropylene crystallized from melt. <i>Colloid and Polymer Science</i> , <b>2005</b> , 284, 322-326	2.4	12
13	Synthesis of polypropylene graft copolymers by the combination of a polypropylene copolymer containing pendant vinylbenzene groups and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 429-437	2.5	35
12	Facile Creation of a Bionic Super-Hydrophobic Block Copolymer Surface. <i>Advanced Materials</i> , <b>2004</b> , 16, 1830-1833	24	171
11	Synthesis and Functionalization of Isotactic Poly(propylene) Containing Pendant Styrene Groups. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1797-1804	4.8	39
10	Isotactic Poly(propylene)/Monoalkylimidazolium-Modified Montmorillonite Nanocomposites: Preparation by Intercalative Polymerization and Thermal Stability Study. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 2008-2013	4.8	56
9	Supporting a Metallocene on Functional Polypropylene Granules for Slurry Ethylene Polymerization. <i>Macromolecules</i> , <b>2004</b> , 37, 6275-6282	5.5	22
8	Synthesis of Linear Polyolefin Elastomers Containing Divinylbenzene Units and Applications in Cross-Linking, Functionalization, and Graft Reactions. <i>Macromolecules</i> , <b>2003</b> , 36, 6000-6009	5.5	43
7	Characterization of polyethylene/kaolin composites by polymerization filling with Cp <sub>2</sub> ZrCl <sub>2</sub> /MAO catalyst system. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 85, 2913-2921	2.9	6
6	Synthesis of Polyethylene Containing a Terminal p-Methylstyrene Group: Metallocene-Mediated Ethylene Polymerization with a Consecutive Chain Transfer Reaction to p-Methylstyrene and Hydrogen. <i>Macromolecules</i> , <b>2002</b> , 35, 1622-1631	5.5	50
5	Functionalized Syndiotactic Polystyrene Polymers Prepared by the Combination of Metallocene Catalyst and Borane Comonomer. <i>Macromolecules</i> , <b>2002</b> , 35, 3439-3447	5.5	71
4	Synthesis of Isotactic Polypropylene Containing a Terminal Cl, OH, or NH <sub>2</sub> Group via Metallocene-Mediated Polymerization/Chain Transfer Reaction. <i>Macromolecules</i> , <b>2002</b> , 35, 9352-9359	5.5	79
3	Synthesis of Linear Ethylene/Divinylbenzene Copolymers by Metallocene Catalysis. <i>Macromolecules</i> , <b>2002</b> , 35, 2868-2870	5.5	49
2	A novel consecutive chain transfer reaction to p-methylstyrene and hydrogen during metallocene-mediated olefin polymerization. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4871-6	16.4	95
1	In Situ Promotion of Long-Chain Branching in Polyethylene from Ziegler-Natta Catalysts. <i>ACS Applied Polymer Materials</i> ,	4.3	1