Michele Vacatello

List of Publications by Year
in descending order

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37	2,451	279798	345221
papers	citations	23 h-index	36 g-index

39	39	39	1257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theories and simulations of polymer-based nanocomposites: From chain statistics to reinforcement. Progress in Polymer Science, 2008, 33, 683-731.	24.7	256
2	Phantom Chain Simulations of Realistically Sized Polymer-Based Nanocomposites. Macromolecular Theory and Simulations, 2006, 15, 303-310.	1.4	10
3	Monte Carlo Simulations of Polymers in Nanoslits. Macromolecular Theory and Simulations, 2004, 13, 30-35.	1.4	18
4	Predicting the Molecular Arrangements in Polymer-Based Nanocomposites. Macromolecular Theory and Simulations, 2003, 12, 86-91.	1.4	54
5	Phantom Chain Simulations of Polymerâ^'Nanofiller Systems. Macromolecules, 2003, 36, 3411-3416.	4.8	33
6	â€œOscillatingâ€•Metallocene Catalysts:Â What Stops the Oscillation?. Journal of the American Chemical Society, 2003, 125, 5451-5460.	13.7	78
7	Chain Dimensions in Filled Polymers:Â An Intriguing Problem. Macromolecules, 2002, 35, 8191-8193.	4.8	101
8	â€œOscillatingâ€•Metallocene Catalysts: How Do They Oscillate?. Angewandte Chemie - International Edition, 2002, 41, 505-508.	13.8	67
9	Ordered Arrangements of Semiflexible Polymers at the Interface with Solids. Macromolecular Theory and Simulations, 2002, 11, 53-57.	1.4	23
10	Molecular Arrangements in Polymer-Based Nanocomposites. Macromolecular Theory and Simulations, 2002, 11, 757-765.	1.4	50
11	Monte Carlo Simulations of Polymer Melts Filled with Solid Nanoparticles. Macromolecules, 2001, 34, 1946-1952.	4.8	159
12	â€œSeeingâ€•the Stereoblock Junctions in Polypropylene Made with Oscillating Metallocene Catalysts. Macromolecules, 2001, 34, 8412-8415.	4.8	34
13	Monte Carlo Simulations of the Interface between Polymer Melts and Solids. Effects of Chain Stiffness. Macromolecular Theory and Simulations, 2001, 10, 187-195.	1.4	22
14	High-Resolution13C NMR Configurational Analysis of Polypropylene Made with MgCl2-Supported Zieglerâ^'Natta Catalysts. 1. The â€œModelâ€•System MgCl2/TiCl4â^'2,6-Dimethylpyridine/Al(C2H5)3. Macromolecules, 1999, 32, 4173-4182.	4.8	195
15	New insight into propene polymerization promoted by heterogeneous Ziegler-Natta catalysts. , 1999, , 76-88.		3
16	Full Assignment of the13C NMR Spectra of Regioregular Polypropylenes:Â Methine Region. Macromolecules, 1998, 31, 8713-8719.	4.8	27
17	Interfering Effects of Growing Chain Epimerization on Metallocene-Catalyzed Isotactic Propene Polymerization. Macromolecules, 1997, 30, 3971-3977.	4.8	56
18	Full Assignment of the 13C NMR Spectra of Regioregular Polypropylenes:â€‰ Methyl and Methylene Region. Macromolecules, 1997, 30, 6251-6263.	4.8	127

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19	Back-Skip of the Growing Chain at Model Complexes for the Metallocene Polymerization Catalysis. Macromolecules, 1996, 29, 4834-4845.	4.8	91
20	Molecular mechanics and mechanisms of regulation of the stereospecificity in Zieglerâ€Natta catalysis. Macromolecular Symposia, 1995, 89, 307-319.	0.7	10
21	Models for the Explanation of the Stereospecific Behaviour of Ziegler â€" Natta Catalysts. , 1995, , 237-249.		15
22	Molecular arrangements of liquids of chain molecules near solid surfaces in the presence of a diluent. Macromolecular Theory and Simulations, 1994, 3, 325-331.	1.4	8
23	Enantioselectivity in the Regioirregular Placements and Regiospecificity in the Isospecific Polymerization of Propene with Homogeneous Ziegler-Natta Catalysts. Journal of the American Chemical Society, 1994, 116, 2988-2995.	13.7	103
24	Monte Carlo studies of the conformational statistics of polymers. Polyethylene. Die Makromolekulare Chemie Theory and Simulations, 1993, 2, 875-888.	1.0	7
25	Molecular mechanics and the polymerization mechanism of homogeneous and heterogeneous Zieglerâ€Natta catalysts. Makromolekulare Chemie Macromolecular Symposia, 1993, 69, 237-246.	0.6	10
26	Structural analogies between homogeneous and heterogeneous catalysts for the stereospecific polymerization of 1-alkenes. Journal of Molecular Catalysis, 1992, 74, 433-442.	1.2	40
27	A possible model for the stereospecificity in the syndiospecific polymerization of propene with group 4a metallocenes. Macromolecules, 1991, 24, 1784-1790.	4.8	154
28	Molecular arrangements and conformations of chain molecules near impenetrable surfaces. Makromolekulare Chemie Macromolecular Symposia, 1991, 48-49, 349-361.	0.6	7
29	A model for the homogeneous isospecific Ziegler-Natta polymerization of olefins: Enantioselectivity in the deuteration and deuteriooligomerization of 1-alkenes. Chirality, 1991, 3, 299-306.	2.6	20
30	On the effects of methyl substituents on chelating ligands in models for homogeneous isospecific Ziegler-Natta catalysis. Polymer, 1991, 32, 1329-1335.	3.8	53
31	Molecular arrangements and conformations of liquid nâ€tridecane chains confined between two hard walls. Journal of Chemical Physics, 1990, 93, 779-786.	3.0	64
32	Molecular arrangements and conformations of the alkyl chains in spherical micelles and droplets. Journal of Chemical Physics, 1990, 92, 757-767.	3.0	7
33	Off-lattice Monte Carlo simulations of polymer melts confined between two plates. 2. Effects of chain length and plate separation. Macromolecules, 1990, 23, 2189-2197.	4.8	154
34	Offâ€lattice Monte Carlo simulations of polymer melts confined between two plates. Journal of Chemical Physics, 1988, 89, 5206-5215.	3.0	238
35	Thirmotropic Smectic Liquid Crystals of Ionic Amphiphilic Compounds: A General Discussion. Molecular Crystals and Liquid Crystals, 1985, 128, 243-261.	0.8	49
36	The Structure and Conformation ofn-Hydrocarbon Chains in Bilayer Systems in the â€œFluidâ€• Phase. Molecular Crystals and Liquid Crystals, 1984, 107, 341-357.	0.8	5

#	Article	IF	Citations
37	A computer model of molecular arrangement in a nâ€paraffinic liquid. Journal of Chemical Physics, 1980, 73, 548-552.	3.0	96