Selvaraj Nagarajan

List of Publications by Year in descending order

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215 papers	3,975 citations	159585 30 h-index	243625 44 g-index
220 all docs	220 docs citations	220 times ranked	2358 citing authors

#	Article	IF	Citations
1	Relationships between Polymorphic Crystals and Multiple Melting Peaks in Crystalline Syndiotactic Polystyrene. Macromolecules, 1999, 32, 7836-7844.	4.8	97
2	Enhanced Toughness and Thermal Stability of Cellulose Nanocrystal Iridescent Films by Alkali Treatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 8951-8958.	6.7	85
3	Origins of periodic bands in polymer spherulites. European Polymer Journal, 2015, 71, 27-60.	5.4	81
4	Thermal and X-ray analysis of polymorphic crystals, melting, and crystalline transformation in poly(butylene adipate). Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1662-1672.	2.1	79
5	Crystallization and morphology of stereocomplexes in nonequimolar mixtures of poly(l-lactic acid) with excess poly(d-lactic acid). Polymer, 2011, 52, 6080-6089.	3.8	70
6	Green and facile surface modification of cellulose nanocrystal as the route to produce poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.2	68
7	Correlation between melting behavior and ringed spherulites in poly(trimethylene terephthalate). Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 80-93.	2.1	66
8	Crystal Lamellae of Mutually Perpendicular Orientations by Dissecting onto Interiors of Poly(ethylene adipate) Spherulites Crystallized in Bulk Form. Macromolecules, 2012, 45, 1375-1383.	4.8	66
9	On the multiple melting behavior of polymorphic syndiotactic polystyrene and its behavior in a miscible state. Macromolecular Chemistry and Physics, 1998, 199, 2041-2049.	2.2	62
10	Synthesis and characterization of cellulose nanocrystal-graft-poly(d-lactide) and its nanocomposite with poly(l-lactide). Polymer, 2016, 103, 365-375.	3.8	55
11	Thermal Behavior of Ring-Band versus Maltese-Cross Spherulites: Case of Monomorphic Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	53
12	Unconventional Nonâ€birefringent or Birefringent Concentric Ringâ€Banded Spherulites in Poly(<scp>L</scp>â€lactic acid) Thin Films. Macromolecular Chemistry and Physics, 2013, 214, 673-680.	2.2	48
13	Effects of Amphiphilic Chitosan on Stereocomplexation and Properties of Poly(lactic acid) Nano-biocomposite. Scientific Reports, 2018, 8, 4351.	3.3	46
14	Linear versus nonlinear determinations of equilibrium melting temperatures of poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Polymer Science, Part B: Polymer Physics, 2002, 40, 1571-1581.	2.1	44
15	Immiscibilityâ€“miscibility phase transitions in blends of poly(<scp>L</scp>â€lactide) with poly(methyl) Tj ETQq1 1 0.784314 rgBT /O	3.1	42
16	Atomic-Force and Optical Microscopy Investigations on Thin-Film Morphology of Spherulites in Melt-Crystallized Poly(ethylene adipate). Industrial & Engineering Chemistry Research, 2010, 49, 12084-12092.	3.7	41
17	Hierarchically Diminishing Chirality Effects on Lamellar Assembly in Spherulites Comprising Chiral Polymers. Macromolecules, 2016, 49, 2698-2708.	4.8	41
18	Dual Types of Spherulites in Poly(octamethylene terephthalate) Confined in Thin-Film Growth. Langmuir, 2008, 24, 11880-11888.	3.5	39

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19	Interior Lamellar Assembly in Correlation to Top-Surface Banding in Crystallized Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.0	38
20	Atomic Force Microscopy Characterization and Interpretation of Thinâ€Film Poly(butylene adipate) Spherulites with Ring Bands. Macromolecular Rapid Communications, 2008, 29, 1322-1328.	3.9	36
21	Tacticity effects on glass transition and phase behavior in binary blends of poly(methyl methacrylate)s of three different configurations. Polymer Chemistry, 2010, 1, 198-202.	3.9	36
22	Tannin Induced Single Crystalline Morphology in Poly(ethylene succinate). Macromolecular Chemistry and Physics, 2011, 212, 1155-1164.	2.2	36
23	Phase Separation and Lamellae Assembly below UCST in Poly(<scp>l</scp>-lactic acid)/Poly(1,4-butylene) Tj ETQq1 1 0.784314 rgBT /O	4.8	36
24	A differential scanning calorimetry study on poly(ethylene terephthalate) isothermally crystallized at stepwise temperatures: multiple melting behavior re-investigated. Colloid and Polymer Science, 1996, 274, 309-315.	2.1	35
25	Correlation of crack patterns and ring bands in spherulites of low molecular weight poly(l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	35
26	Phase behavior, polymorphism and spherulite morphology in Poly(1,4-butylene adipate) interacting with two structurally similar acrylic polymers. Polymer, 2012, 53, 3815-3826.	3.8	33
27	Polymorphic crystal forms and morphology of syndiotactic polystyrene in miscible states. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 2725-2735.	2.1	32
28	Cracks and Ring Bands of Poly(3-hydroxybutyrate) on Precrystallized Poly(<scp>l</scp>-lactic acid) Template. Industrial & Engineering Chemistry Research, 2011, 50, 4494-4503.	3.7	32
29	Relationships between ringed spherulitic morphology and miscibility in blends of poly(Îµ-caprolactone) with poly(benzyl methacrylate) versus poly(phenyl methacrylate). Colloid and Polymer Science, 2000, 278, 1032-1042.	2.1	31
30	Perpendicularly oriented lamellae in poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) blended with an amorphous polymer: ultra-thin to thick films. Physical Chemistry Chemical Physics, 2013, 15, 2495.	2.8	31
31	Preparation of crosslinked epoxy microparticles via phase inversion. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 2591-2598.	2.1	30
32	Formation of dendrite crystals in poly(ethylene oxide) interacting with bioresourceful tannin. Polymer Bulletin, 2009, 62, 225-235.	3.3	30
33	A Unique Metaâ€Form Structure in the Stereocomplex of Poly(<scp>D</scp>â€lactic acid) with Lowâ€Molecularâ€Weight Poly(<scp>L</scp>â€lactic acid). Macromolecular Chemistry and Physics, 2011, 212, 125-133.	2.2	30
34	Morphology and properties of an epoxy alloy system containing thermoplastics and a reactive rubber. Polymer Engineering and Science, 1994, 34, 1664-1673.	3.1	29
35	Miscibility and cure kinetics studies on blends of bisphenol-A polycarbonate and tetraglycidyl-4,4â€²-diaminodiphenylmethane epoxy cured with an amine. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 2235-2244.	2.1	29
36	Peculiar Glass Transition Behavior and Miscibility in a Binary Mixture Comprising Amorphous Poly(ether imide) with Semicrystalline Poly(butylene terephthalate). Macromolecules, 1997, 30, 3626-3631.	4.8	29

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37	Fluorinated polyamides and poly(amide imide)s based on 1,4-bis(4-amino-2-trifluromethylphenoxy)benzene, aromatic dicarboxylic acids, and various monotrimellitimides and bistrimellitimides: Syntheses and properties. Journal of Polymer Science Part A, 2004, 42, 3116-3129.	2.3	29
38	Surface and interior views on origins of two types of banded spherulites in poly(nonamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	2.8	29
39	Phase-Separation-Induced Single-Crystal Morphology in Poly(<scp>l</scp>-lactic acid) Blended with Poly(1,4-butylene adipate) at Specific Composition. Journal of Physical Chemistry B, 2011, 115, 13127-13138.	2.6	29
40	Cold Crystallization of PDMS and PLLA in Poly(<scp>l</scp>-lactide-b-dimethylsiloxane-b-<scp>l</scp>-lactide) Triblock Copolymer and Their Effect on Nanostructure Morphology. Macromolecules, 2015, 48, 5367-5377.	4.8	29
41	Novel reinforcement behavior in nanofilled natural rubber (NR) / butadiene-acrylonitrile rubber (NBR) blends: Filling-polymer network and supernanosphere. Polymer, 2020, 186, 122005.	3.8	29
42	Enhancement of bioâ€compatibility via specific interactions in polyesters modified with a bioâ€resourceful macromolecular ester containing polyphenol groups. Journal of Biomedical Materials Research - Part A, 2008, 86A, 701-712.	4.0	28
43	Effects of crystallinity and molecular weight on crack behavior in crystalline poly(<scp>L</scp>â€lactic acid). Journal of Applied Polymer Science, 2011, 122, 1976-1985.	2.6	28
44	Three types of banded structures in highly birefringent poly(trimethylene terephthalate) spherulites. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1207-1216.	2.1	28
45	Multishell Oblate Spheroid Growth in Poly(trimethylene terephthalate) Banded Spherulites. Macromolecules, 2017, 50, 5898-5904.	4.8	28
46	Analysis of crystal assembly in banded spherulites of phthalic acid upon solvent evaporation. CrystEngComm, 2016, 18, 977-985.	2.6	27
47	Characterization and Analyses on Complex Melting, Polymorphism, and Crystal Phases in Melt-Crystallized Poly(hexamethylene terephthalate). Macromolecules, 2005, 38, 4780-4790.	4.8	26
48	Annular Multiâ€Shelled Spherulites in Interiors of Bulkâ€Form Poly(nonamethylene terephthalate). Macromolecular Rapid Communications, 2009, 30, 1911-1916.	3.9	26
49	Interior Lamellar Assembly and Optical Birefringence in Poly(trimethylene terephthalate) Spherulites: Mechanisms from Past to Present. Crystals, 2017, 7, 56.	2.2	26
50	Anatomy into Interior Lamellar Assembly in Nuclei-Dependent Diversified Morphologies of Poly(<scp>l</scp>-lactic acid). Macromolecules, 2018, 51, 7722-7733.	4.8	26
51	Biomimetically Structured Lamellae Assembly in Periodic Banding of Poly(ethylene adipate) Crystals. Macromolecules, 2018, 51, 3845-3854.	4.8	26
52	Crystallization of poly(3â€hydroxybutyrate) with stereocomplexed polylactide as biodegradable nucleation agent. Polymer Engineering and Science, 2012, 52, 1413-1419.	3.1	25
53	Lamellar assembly corresponding to transitions of positively to negatively birefringent spherulites in poly(ethylene adipate) with phenoxy. Colloid and Polymer Science, 2013, 291, 817-826.	2.1	25
54	Effects of solvent treatment on crystallization kinetics of poly(p-phenylene sulfide). Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1985-1993.	2.1	24

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55	Evaluation of interlaminar-toughened poly(etherImide)-modified epoxy/carbon fiber composites. Polymer Composites, 1996, 17, 799-805.	4.6	24
56	Reaction-induced miscibility in blends comprised of bisphenol-A polycarbonate and poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	24
57	Crystallization regime behavior of poly(pentamethylene terephthalate). Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1265-1274.	2.1	24
58	Iridescent graphene/cellulose nanocrystal film with water response and highly electrical conductivity. RSC Advances, 2016, 6, 93673-93679.	3.6	24
59	Novel approaches to study the crystal assembly in banded spherulites of poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.6	24
60	Miscibility in a ternary system of poly(ether imide) with semicrystalline poly(ethylene terephthalate) and poly(butylene terephthalate). Macromolecular Rapid Communications, 1996, 17, 615-621.	3.9	23
61	Growth regimes and spherulites in thin-film poly(É›-caprolactone) with amorphous polymers. Colloid and Polymer Science, 2008, 286, 917-926.	2.1	23
62	Effects of chain configuration on UCST behavior in blends of poly(<scp>L</scp>â€lactic acid) with tactic poly(methyl methacrylate)s. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2355-2369.	2.1	23
63	Effects of Stereocomplex Nuclei or Spherulites on Crystalline Morphology and Crack Behavior of Poly(<scp>L</scp>â€lactic acid). Macromolecular Chemistry and Physics, 2011, 212, 1663-1670.	2.2	23
64	Polymer-polymer miscibility in blends of a new poly(aryl ether ketone) with poly(ether imide). Macromolecular Rapid Communications, 1998, 19, 215-218.	3.9	22
65	Complete miscibility of ternary aryl polyesters demonstrating a new criterion and horizon for miscibility characterization. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2394-2404.	2.1	22
66	Effects of amorphous poly(vinyl acetate) on crystalline morphology of poly(3-hydroxybutyric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.1	22
67	Crystal Polymorphism and Spherulites in Poly(butylene adipate) Diluted with Strongly Versus Weakly Interacting Amorphous Polymers. Macromolecular Chemistry and Physics, 2012, 213, 2228-2237.	2.2	22
68	Effects of lithium salt and poly(4-vinyl phenol) on crystalline and amorphous phases in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	21
69	Surface Nanopatterns of Two Types of Banded Spherulites in Poly(nonamethylene terephthalate) Thin Films. Journal of Physical Chemistry B, 2012, 116, 5071-5079.	2.6	21
70	Dendritic Morphology Composed of Stacked Single Crystals in Poly(ethylene succinate) Melt-Crystallized with Poly(p-vinyl phenol). Crystal Growth and Design, 2014, 14, 576-584.	3.0	21
71	Crystallization kinetics and degradation of nanocomposites based on ternary blend of poly(<scp>L</scp>â€lactic acid), poly(methyl methacrylate), and poly(ethylene oxide) with two different organoclays. Journal of Applied Polymer Science, 2012, 125, E444.	2.6	20
72	Analysis of multiple melting behavior of spherulites comprising ringâ€band shell/ringless core in polymorphic poly(butylene adipate). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 892-899.	2.1	19

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73	Nanocomposites based on vermiculite clay and ternary blend of poly(<scp>L</scp>â€lactic acid), poly(methyl methacrylate), and poly(ethylene oxide). Polymer Composites, 2011, 32, 1916-1926.	4.6	19
74	Microscopy and microbeam X-ray analyses in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with amorphous poly(vinyl acetate). Polymer, 2014, 55, 6906-6914.	3.8	19
75	Transitional Ring Bands Constructed by Discrete Positive- and Negative-Birefringence Lamellae Packed in Poly(1,6-hexamethylene adipate) Spherulites. Macromolecules, 2015, 48, 7953-7967.	4.8	19
76	Structural evolution of poly(l-lactide) block upon heating of the glassy ABA triblock copolymers containing poly(l-lactide) A blocks. Polymer, 2016, 105, 422-430.	3.8	19
77	Relationship between twisting phenomenon and structural discontinuity of stacked lamellae in the spherulite of poly(ethylene adipate) as studied by the synchrotron X-ray microbeam technique. Polymer Journal, 2019, 51, 131-141.	2.7	19
78	Miscibility and spherulite growth kinetics in the poly(ethylene oxide)/poly(benzyl methacrylate) system. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 562-572.	2.1	18
79	Phase behavior and crystal morphology in poly(ethylene succinate) biodegradably modified with tannin. Colloid and Polymer Science, 2011, 289, 1563-1578.	2.1	18
80	Periodic Fractal-Growth Branching to Nano-Structured Grating Aggregation in Phthalic Acid. Scientific Reports, 2020, 10, 4062.	3.3	18
81	Timeâ€“temperature viscoelastic behavior of an interlaminar-toughened epoxy composite. Journal of Applied Polymer Science, 1993, 50, 1683-1692.	2.6	17
82	Two-stage crystallization kinetics modeling of a miscible blend system containing crystallizable poly(butylene terephthalate). Polymer Engineering and Science, 1998, 38, 583-589.	3.1	17
83	Polymorphism and Phase Transitions upon Annealing in Solvent-Cast vs Quenched Syndiotactic Polystyrene and Its Blends with Atactic Polystyrene. Macromolecules, 2003, 36, 8415-8425.	4.8	17
84	Ring-banded spherulites in poly(pentamethylene terephthalate): A model of waving and spiraling lamellae. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4421-4432.	2.1	17
85	Lamellar orientation and interlamellar cracks in co-crystallized poly(ethylene oxide)/poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	17
86	Mechanisms of Multiple Types of Lamellae and Spherulites in Poly(<scp>l</scp>â€lactic acid) Interacting with Poly(4â€vinyl phenol). Macromolecular Chemistry and Physics, 2013, 214, 2345-2354.	2.2	17
87	Effects of top confinement and diluents on morphology in crystallization of poly(<scp>l</scp>â€lactic) Tj ETQq1 1 0.784314 rgBT /O 53, 1160-1170.	2.1	17
88	Intertwining lamellar assembly in porous spherulites composed of two ring-banded poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	17
89	Unusual Radiating-Stripe Morphology in Nonequimolar Mixtures of Poly(<scp>l</scp>-lactic acid) with Poly(<scp>d</scp>-lactic acid). Macromolecules, 2020, 53, 2157-2168.	4.8	17
90	Unique Optical Periodicity Assembly of Discrete Dendritic Lamellae and Pyramidal Single Crystals in Poly(ļµ-caprolactone). ACS Applied Materials & Interfaces, 2021, 13, 41200-41208.	8.0	17

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91	A comparative study on transreactions induced phase changes in blends of poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382 Td 843-852.	2.1	16
92	Immiscibilityâ€“miscibility phase transformation in blends of poly(ethylene succinate) with poly(<scp>L</scp>â€lactic acid)s of different molecular weights. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1135-1147.	2.1	16
93	In vitro effect on cancer cells: Synthesis and preparation of polyurethane membranes for controlled delivery of curcumin. Journal of Biomedical Materials Research - Part A, 2011, 99A, 410-417.	4.0	16
94	Optical Birefringence Patterns and Corresponding Lamellar Alteration Induced by Solvent Vapor on Poly(<scp>l</scp>-lactic acid) Diluted with Poly(1,4-butylene adipate). Macromolecules, 2012, 45, 7313-7316.	4.8	16
95	Cracks in Polymer Spherulites: Phenomenological Mechanisms in Correlation with Ring Bands. Polymers, 2016, 8, 329.	4.5	16
96	Dendritic polymer spherulites: birefringence correlating with lamellae assembly and origins of superimposed ring bands. Journal of Polymer Research, 2020, 27, 1.	2.4	16
97	Synchrotron Xâ€Ray Analysis and Morphology Evidence for Stereoâ€Assemblies of Periodic Aggregates in Poly(3â€hydroxybutyrate) with Unusual Photonic Iridescence. Macromolecular Rapid Communications, 2021, 42, e2100281.	3.9	16
98	Mechanisms of reorganization of lamellae in syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 3210-3221.	2.1	15
99	Binary versus ternary interactions in a completely miscible three-polymer blend system: Poly(?-caprolactone) with two different methacrylic polymers. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 747-754.	2.1	15
100	Effects of layered silicates on the confined crystalline morphology of poly(hexamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	6.7	15
101	Effects of miscible diluent of poly(ether imide) on ring-banded morphology of poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	15
102	Phase behavior and interactions in blends of poly[(butylene adipate)-co-poly(butylene terephthalate)] copolyester with poly(4-vinyl phenol). Colloid and Polymer Science, 2010, 288, 439-448.	2.1	15
103	Amorphous phase behavior and crystalline morphology in blends of poly(vinyl methyl ether) with isomeric polyesters: poly(hexamethylene adipate) and poly(É›-caprolactone). Polymer Journal, 2010, 42, 391-400.	2.7	15
104	A novel hexagonal crystal with a hexagonal star-shaped central core in poly(l-lactide) (PLLA) induced by an ionic liquid. CrystEngComm, 2014, 16, 4945-4949.	2.6	15
105	Phase-Separation Induced Lamellar Re-Assembly and Spherulite Optical Birefringence Reversion. Macromolecules, 2014, 47, 5624-5632.	4.8	15
106	Morphological analyses evidencing corrugate-grating lamellae assembly in banded spherulites of Poly(ethylene adipate). Polymer, 2020, 188, 122141.	3.8	15
107	Asymmetric Growth of Co-Crystallized Nano- and Micrometer-Sized Lamellae to Janus-Faced Spherulites in Poly(<scp>l</scp>-lactic acid) with Amorphous Poly(methyl methacrylate). Crystal Growth and Design, 2017, 17, 5034-5037.	3.0	15
108	Some New Evidence for Polymorphism in Cold-Crystallized and Melt-Crystallized Poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	14

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109	Diffusion-controlled reaction mechanisms during cure in polycarbonate-modified epoxy networks. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2141-2150.	2.1	14
110	Synthesis and properties of poly(amide-imide)s based onN,N?-bis(4-carboxyphenyl)-4,4?-oxydiphthalimide,p-aminobenzoic acid and various aromatic diamines. Polymer International, 2002, 51, 406-416.	3.1	14
111	Kinetic Analysis on Effect of Poly(4-vinyl phenol) on Complex-Forming Blends of Poly(L-lactide) and Poly(D-lactide). Polymer Journal, 2009, 41, 374-382.	2.7	14
112	Lamellar assembly and orientation-induced internal micro-voids by cross-sectional dissection of poly(ethylene oxide)/poly(L-lactic acid) blend. EXPRESS Polymer Letters, 2013, 7, 396-405.	2.1	14
113	Periodic extinction bands composed of all flatâ€on lamellae in poly(dodecamethylene terephthalate) thin films crystallized at high temperatures. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 601-611.	2.1	14
114	Three-dimensional interior analyses on periodically banded spherulites of poly(dodecamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	2.8	14
115	Miscible Blends Comprising Two Carbonyl-Containing Polymers. Poly(Îµ-caprolactone) with Poly(benzyl) Tj ETQq1 1 0.784314 rgBT /O	2.7	13
116	Prediction and Experimental Verification on Blend Phase Diagrams of Two Structurally Isomeric Polymers:â€‰ Poly(4-methylstyrene) and Poly(Î±-methylstyrene). Macromolecules, 2000, 33, 6892-6895.	4.8	13
117	A Novel Quaternary Blend System of Poly(ethy1ene terephthalate), Poly(trimethy1ene terephthalate), Poly(butylene terephthalate), and Poly(ether imide). Polymer Bulletin, 2003, 50, 33-38.	3.3	13
118	Polypropylene-blended organoclay nanocomposites â€“ preparation, characterisation and properties. Journal of Experimental Nanoscience, 2013, 8, 480-492.	2.4	13
119	Star-Shaped Poly(<scp>l</scp>-lactide) with a Dipyridamole Core: Role of Polymer Chain Packing on Induced Circular Dichroism and Photophysical Properties of Dipyridamole. Macromolecules, 2017, 50, 5261-5270.	4.8	13
120	Systematic probing into periodic lamellar assembly via induced cracks in crystallized polyesters. Polymer, 2019, 166, 88-97.	3.8	13
121	Three-dimensional periodic architecture in Poly(Îµ-caprolactone) crystallized in bulk aggregates. Polymer, 2020, 210, 123059.	3.8	13
122	Periodic Assembly of Polyethylene Spherulites Reâ€Investigated by Breakthrough Interior Dissection. Macromolecular Rapid Communications, 2021, 42, e2000708.	3.9	13
123	Comparison of crystallization kinetics of miscible blends of syndiotactic polystyrene with atactic polystyrene or poly(1,4-dimethyl-p-phenylene oxide). Polymer Engineering and Science, 1999, 39, 825-832.	3.1	12
124	Thermal, morphology, and NMR characterizations on phase behavior and miscibility in blends of isotactic polystyrene with poly(cyclohexyl methacrylate). Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 772-784.	2.1	12
125	Immiscibility with upper-critical solution temperature phase diagrams for poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1	2.1	12
126	Microscopic Fourier Transform Infrared Characterization on Two Types of Spherulite with Polymorphic Crystals in Poly(heptamethylene terephthalate). Macromolecular Rapid Communications, 2010, 31, 1343-1347.	3.9	12

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127	Anisotropic Nucleation and Janus-Faced Crystals of Poly(<scp>l</scp>-lactic acid) Interacting with an Amorphous Diluent. Industrial & Engineering Chemistry Research, 2014, 53, 9772-9780.	3.7	12
128	Structured growth from sheaf-like nuclei to highly asymmetric morphology in poly(nonamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	12
129	Epicycloid extinction-band assembly in Poly(decamethylene terephthalate) confined in thin films and crystallized at high temperatures. Polymer, 2021, 212, 123256.	3.8	12
130	Thermal transition behavior in the miscible polyester/acrylic polymer pair poly(Îµ-caprolactone) and poly(phenyl methacrylate). Macromolecular Rapid Communications, 1999, 20, 46-49.	3.9	11
131	Window of Acrylonitrile Content for Miscibility in Blends Comprising Poly(styrene-co-acrylonitrile)s and Poly(benzyl methacrylate). Macromolecules, 2000, 33, 4186-4192.	4.8	11
132	Thermal and spectroscopy studies on ternary miscibility and phase behavior in blends comprising poly(4-vinyl phenol) and two aryl polyesters. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1339-1350.	2.1	11
133	Novel organosoluble poly(amide-imide-imide)s synthesized from new tetraimide-dicarboxylic acid by condensation with 4,4â€²-oxydiphthalic anhydride, 1,4-bis(4-amino-2-trifluoromethylphenoxy)benzene, trimellitic anhydride, and various aromatic diamines. Journal of Applied Polymer Science, 2006, 101, 2854-2864.	2.6	11
134	Phase diagrams in blends of poly(3-hydroxybutyric acid) with various aliphatic polyesters. EXPRESS Polymer Letters, 2011, 5, 570-580.	2.1	11
135	Composite banded core and non-banded shell transition patterns in stereocomplexed poly(lactide) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	11
136	Interior Dissection on Domain-Dependent Birefringence Types of Poly(3-hydroxybutyrate) Spherulites in Blends. Macromolecules, 2017, 50, 283-295.	4.8	11
137	Explosive Fibonacci-sequence growth into unusual sector-face morphology in poly(l-lactic acid) crystallized with polymeric diluents. Scientific Reports, 2020, 10, 10811.	3.3	11
138	Microstructural Periodic Arrays in Poly(Butylene Adipate) Featured with Photonic Crystal Aggregates. Macromolecular Rapid Communications, 2021, 42, e2100202.	3.9	11
139	Temperature and composition effects on polymorphism changes in cold-crystallized miscible blends of syndiotactic and atactic polystyrenes. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 176-180.	2.1	10
140	Chemical and Morphological Alterations Effected by Methylamine Reactions on Polyesters. Macromolecular Chemistry and Physics, 2014, 215, 1297-1305.	2.2	10
141	Diversification of spherulite patterns in poly(ethylene succinate) crystallized with strongly interacting poly(4-vinyl phenol). Journal of Polymer Research, 2014, 21, 1.	2.4	10
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