

# Apostolos Avgeropoulos

## List of Publications by Year in descending order

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201  
papers

5,937  
citations

76294

40  
h-index

102432

66  
g-index

201  
all docs

201  
docs citations

201  
times ranked

6943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave Synthesis, Characterization and Perspectives of Wood Pencil-Derived Carbon. Applied Sciences (Switzerland), 2022, 12, 410.	1.3	1
2	Biomass Waste Carbonization in Piranha Solution: A Route to Hypergolic Carbons?. Micro, 2022, 2, 137-153.	0.9	1
3	Performance of Thyme Oil@Na-Montmorillonite and Thyme Oil@Organo-Modified Montmorillonite Nanostructures on the Development of Melt-Extruded Poly-L-lactic Acid Antioxidant Active Packaging Films. Molecules, 2022, 27, 1231.	1.7	8
4	Use of a Hybrid Porous Carbon Material Derived from Expired Polysaccharides Snack/Iron Salt Exhibiting Magnetic Properties, for Hexavalent Chromium Removal. Polysaccharides, 2022, 3, 326-346.	2.1	1
5	Synthesis, Molecular Characterization, and Phase Behavior of Miktoarm Star Copolymers of the AB <sub>n</sub> and A <sub>n</sub> B (n = 2 or 3) Sequences, Where A Is Polystyrene and B Is Poly(dimethylsiloxane). Macromolecules, 2022, 55, 88-99.	2.2	13
6	Superlattice Structure from Self-Assembly of High- $\chi$ Block Copolymers via Chain Interdigitation. Macromolecules, 2022, 55, 3449-3457.	2.2	7
7	Block Copolymer Modified Nanonetwork Epoxy Resin for Superior Energy Dissipation. Polymers, 2022, 14, 1891.	2.0	2
8	Nanocomposite Film Development Based on Chitosan/Polyvinyl Alcohol Using ZnO@Montmorillonite and ZnO@Halloysite Hybrid Nanostructures for Active Food Packaging Applications. Nanomaterials, 2022, 12, 1843.	1.9	21
9	Synthesis, characterization and self-assembly of linear and miktoarm star copolymers of exclusively immiscible polydienes. Polymer Chemistry, 2021, 12, 2712-2721.	1.9	5
10	Green Synthesized Magnetic Nanoparticles as Effective Nanosupport for the Immobilization of Lipase: Application for the Synthesis of Lipophenols. Nanomaterials, 2021, 11, 458.	1.9	17
11	Carbon Nanostructures Derived through Hypergolic Reaction of Conductive Polymers with Fuming Nitric Acid at Ambient Conditions. Molecules, 2021, 26, 1595.	1.7	9
12	Synthesis of a Novel Chitosan/Basil Oil Blend and Development of Novel Low Density Poly Ethylene/Chitosan/Basil Oil Active Packaging Films Following a Melt-Extrusion Process for Enhancing Chicken Breast Fillets Shelf-Life. Molecules, 2021, 26, 1585.	1.7	15
13	Mesoscale networks and corresponding transitions from self-assembly of block copolymers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
14	Functionalization of Single-Walled Carbon Nanotubes with End-Capped Polystyrene via a Single-Step Diels-Alder Cycloaddition. Polymers, 2021, 13, 1169.	2.0	4
15	Hypergolic Ignition of 1,3-Cyclodienes by Fuming Nitric Acid toward the Fast and Spontaneous Formation of Carbon Nanosheets at Ambient Conditions. Micro, 2021, 1, 15-27.	0.9	3
16	Structure/Properties Relationship of Anionically Synthesized Diblock Copolymers Grafted to Chemically Modified Graphene. Polymers, 2021, 13, 2308.	2.0	2
17	Nanocarbon from Rocket Fuel Waste: The Case of Furfuryl Alcohol-Fuming Nitric Acid Hypergolic Pair. Nanomaterials, 2021, 11, 1.	1.9	113
18	Nanoporous Carbon Magnetic Hybrid Derived from Waterlock Polymers and Its Application for Hexavalent Chromium Removal from Aqueous Solution. Journal of Carbon Research, 2021, 7, 69.	1.4	3

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19	Nanoclay and Polystyrene Type Efficiency on the Development of Polystyrene/Montmorillonite/Oregano Oil Antioxidant Active Packaging Nanocomposite Films. Applied Sciences (Switzerland), 2021, 11, 9364.	1.3	10
20	Self-assembly behavior of ultra-high molecular weight in-situ anionically synthesized polymer matrix composite materials grafted from single- or multi-wall CNTs. Polymer, 2021, 235, 124243.	1.8	2
21	Synthesis, Characterization and Structure Properties of Biobased Hybrid Copolymers Consisting of Polydiene and Polypeptide Segments. Polymers, 2021, 13, 3818.	2.0	1
22	Molecular and Structure Properties Comparison of an Anionically Synthesized Diblock Copolymer of the PS-b-PI Sequence and Its Hydrogenated or Sulfonated Derivatives. Polymers, 2021, 13, 4167.	2.0	4
23	Inter-domain Spacing Control via an Interdigitating Structure to Bilayers in Lamellae-Forming Star-Block Copolymers. ACS Applied Polymer Materials, 2020, 2, 3685-3695.	2.0	7
24	Secretory Phospholipase A2-IIA Protein and mRNA Pools in Extracellular Vesicles of Bronchoalveolar Lavage Fluid from Patients with Early Acute Respiratory Distress Syndrome: A New Perception in the Dissemination of Inflammation?. Pharmaceuticals, 2020, 13, 415.	1.7	19
25	Hypergolic Materials Synthesis through Reaction of Fuming Nitric Acid with Certain Cyclopentadienyl Compounds. Journal of Carbon Research, 2020, 6, 61.	1.4	9
26	Synthesis, Characterization and Mechanical Properties of Nanocomposites Based on Novel Carbon Nanowires and Polystyrene. Applied Sciences (Switzerland), 2020, 10, 5737.	1.3	4
27	Alternating Gyroid Network Structure in an ABC Miktoarm Terpolymer Comprised of Polystyrene and Two Polydienes. Nanomaterials, 2020, 10, 1497.	1.9	8
28	Self-Assembly of Low-Molecular-Weight Asymmetric Linear Triblock Terpolymers: How Low Can We Go?. Molecules, 2020, 25, 5527.	1.7	3
29	Dendrons and Dendritic Terpolymers: Synthesis, Characterization and Self-Assembly Comparison. Molecules, 2020, 25, 6030.	1.7	4
30	Hypergolics in Carbon Nanomaterials Synthesis: New Paradigms and Perspectives. Molecules, 2020, 25, 2207.	1.7	11
31	Segregation of Maghemite Nanoparticles within Symmetric Diblock Copolymer and Triblock Terpolymer Patterns under Solvent Vapor Annealing. Materials, 2020, 13, 1286.	1.3	3
32	Functional Carbon Materials Derived through Hypergolic Reactions at Ambient Conditions. Nanomaterials, 2020, 10, 566.	1.9	13
33	Rapid Microwave-Assisted Synthesis of CdS/Graphene/MoS <sub>2</sub> Tunable Heterojunctions and Their Application in Photocatalysis. Chemistry - A European Journal, 2020, 26, 6643-6651.	1.7	22
34	Synthesis of Highly Crystalline Graphite from Spontaneous Ignition of In Situ Derived Acetylene and Chlorine at Ambient Conditions. Molecules, 2020, 25, 297.	1.7	21
35	Direct production of carbon nanosheets by self-ignition of pyrophoric lithium dialkylamides in air. Materials Letters, 2019, 254, 58-61.	1.3	12
36	Seeing mesoatomic distortions in soft-matter crystals of a double-gyroid block copolymer. Nature, 2019, 575, 175-179.	13.7	78

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37	Exploring rheological responses to uniaxial stretching of various entangled polyisoprene melts. <i>Journal of Rheology</i> , 2019, 63, 763-771.	1.3	6
38	Interfacial interactions, crystallization and molecular mobility in nanocomposites of Poly(lactic acid)/graphene oxide. <i>Journal of Applied Polymer Science</i> , 2019, 166, 1-12.	1.8	83
39	Three-dimensional visualization of phase transition in polystyrene-block-polydimethylsiloxane thin film. <i>Polymer</i> , 2019, 167, 209-214.	1.8	8
40	Monitoring fluorescent calcium signals in neural cells with organic photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9049-9056.	2.7	7
41	Development of Effective Lipase-Hybrid Nanoflowers Enriched with Carbon and Magnetic Nanomaterials for Biocatalytic Transformations. <i>Nanomaterials</i> , 2019, 9, 808.	1.9	50
42	Biodegradation of mixture of plastic films by tailored marine consortia. <i>Journal of Hazardous Materials</i> , 2019, 375, 33-42.	6.5	91
43	Inclusion of Quercetin in Gold Nanoparticles Decorated with Supramolecular Hosts Amplifies Its Tumor Targeting Properties. <i>ACS Applied Bio Materials</i> , 2019, 2, 2715-2725.	2.3	30
44	Current status, challenges and future outlook of high performance polymer semiconductors for organic photovoltaics modules. <i>Progress in Polymer Science</i> , 2019, 91, 51-79.	11.8	36
45	Creating Aligned Nanopores by Magnetic Field Processing of Block Copolymer/Homopolymer Blends. <i>ACS Macro Letters</i> , 2019, 8, 261-266.	2.3	13
46	Effect of Aryl Substituents and Fluorine Addition on the Optoelectronic Properties and Organic Solar Cell Performance of a High Efficiency Indacenodithienophene-alt-Quinoxaline $\pi$ -Conjugated Polymer. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800418.	1.1	4
47	Examination of well ordered nanonetwork materials by real- and reciprocal-space imaging. <i>IUCr</i> , 2019, 6, 259-266.	1.0	4
48	10.1122/1.5085320.1., 2019, , .		0
49	Enhancement of the Power-Conversion Efficiency of Organic Solar Cells via Unveiling an Appropriate Rational Design Strategy in Indacenodithiophene-alt-quinoxaline $\pi$ -Conjugated Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10236-10245.	4.0	11
50	$\beta$ , $\gamma$ -Unsubstituted meso-positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donor-acceptor (D-A) conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4030-4040.	2.7	22
51	Directed Self-Assembly of Star-Block Copolymers by Topographic Nanopatterns through Nucleation and Growth Mechanism. <i>Small</i> , 2018, 14, e1704005.	5.2	12
52	Magnetic reversal and thermal stability of CoFeB perpendicular magnetic tunnel junction arrays patterned by block copolymer lithography. <i>Nanotechnology</i> , 2018, 29, 275302.	1.3	3
53	New n-Type Solution Processable All Conjugated Polymer Network: Synthesis, Optoelectronic Characterization, and Application in Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700629.	2.0	7
54	Synthesis of D-A type benzodithiophene-quinoxaline copolymers by direct arylation and their application in organic solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1457-1467.	2.5	20

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55	High-Performance Organic Photodetectors from a High-Bandgap Indacenodithiophene-Based $\pi$ -Conjugated Donor-Acceptor Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12937-12946.	4.0	42
56	Donor-specific individuality of red blood cell performance during storage is partly a function of serum uric acid levels. <i>Transfusion</i> , 2018, 58, 34-40.	0.8	27
57	4 <i>H</i> -1,2,6-Thiadiazine-containing donor-acceptor conjugated polymers: synthesis, optoelectronic characterization and their use in organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3658-3667.	2.7	10
58	Selective FRET-based sensing of 4-nitrophenol and cell imaging capitalizing on the fluorescent properties of carbon nanodots from apple seeds. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1152-1160.	4.0	77
59	Effects of alkyl side chains positioning and presence of fused aromatic units in the backbone of low-bandgap diketopyrrolopyrrole copolymers on the optoelectronic properties of organic solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 138-146.	2.5	9
60	Self-assembly of polystyrene- <i>b</i> -poly(2-vinylpyridine)- <i>b</i> -poly(ethylene oxide) triblock terpolymers. <i>European Polymer Journal</i> , 2018, 100, 121-131.	2.6	11
61	Experimental and theoretical investigations on the optical and electrochemical properties of $\pi$ -conjugated donor-acceptor-donor (DAD) compounds toward a universal model. <i>Journal of Chemical Physics</i> , 2018, 149, 124902.	1.2	10
62	Self-Alignment of Cylinder-Forming Silicon-Containing Block Copolymer Films. <i>Macromolecules</i> , 2018, 51, 7656-7665.	2.2	10
63	Amphiphilic Block Copolymer Microspheres Derived from Castor Oil, Poly( $\mu$ -carpolactone), and Poly(ethylene glycol): Preparation, Characterization and Application in Naltrexone Drug Delivery. <i>Materials</i> , 2018, 11, 1996.	1.3	11
64	Double-Layer Morphologies from a Silicon-Containing ABA Triblock Copolymer. <i>ACS Nano</i> , 2018, 12, 6193-6202.	7.3	23
65	Suppressing the Surface Recombination and Tuning the Open-Circuit Voltage of Polymer/Fullerene Solar Cells by Implementing an Aggregative Ternary Compound. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28803-28811.	4.0	15
66	Nanostructured Composites of Sodium Montmorillonite Clay and PEO Used in Dissolution Improvement of Aprepitant Drug by Melt Mixing. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 786.	1.3	14
67	Optimal synergy between micro and nano scale: Hierarchical all carbon composite fibers for enhanced stiffness, interfacial shear strength and Raman strain sensing. <i>Composites Science and Technology</i> , 2018, 165, 240-249.	3.8	28
68	Metal (Ag/Ti)-Containing Hydrogenated Amorphous Carbon Nanocomposite Films with Enhanced Nanoscratch Resistance: Hybrid PECVD/PVD System and Microstructural Characteristics. <i>Nanomaterials</i> , 2018, 8, 209.	1.9	11
69	Nanopatterning via Self-Assembly of a Lamellar-Forming Polystyrene-block-Poly(dimethylsiloxane) Diblock Copolymer on Topographical Substrates Fabricated by Nanoimprint Lithography. <i>Nanomaterials</i> , 2018, 8, 32.	1.9	19
70	Porous organic polymers as emerging new materials for organic photovoltaic applications: current status and future challenges. <i>Materials Horizons</i> , 2017, 4, 546-556.	6.4	125
71	Low dimensional Bi <sub>2</sub> Te <sub>3</sub> -graphene oxide hybrid film-modified electrodes for ultra-sensitive stripping voltammetric detection of Pb(II) and Cd(II). <i>Electrochimica Acta</i> , 2017, 231, 230-237.	2.6	31
72	BODIPY-based polymeric dyes as emerging horizon materials for biological sensing and organic electronic applications. <i>Progress in Polymer Science</i> , 2017, 71, 26-52.	11.8	67

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73	Morphology, directed self-assembly and pattern transfer from a high molecular weight polystyrene-block-poly(dimethylsiloxane) block copolymer film. <i>Nanotechnology</i> , 2017, 28, 145301.	1.3	15
74	Beyond Donor-Acceptor (D-A) Approach: Structure-Optoelectronic Properties-Organic Photovoltaic Performance Correlation in New D-A <sub>1</sub> -D-A <sub>2</sub> -Low-Bandgap Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600720.	2.0	20
75	Gyroid-structured nanoporous polymer monolith from PDMS-containing block copolymers for templated synthesis. <i>Polymer</i> , 2017, 126, 360-367.	1.8	26
76	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene- <i>b</i> -1,3-cyclohexadiene) Copolymers. <i>Macromolecules</i> , 2017, 50, 2354-2363.	2.2	5
77	Rational Design of High-Performance Wide-Bandgap ( $\sim 2$ eV) Polymer Semiconductors as Electron Donors in Organic Photovoltaics Exhibiting High Open Circuit Voltages ( $\sim 1$ V). <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600614.	2.0	20
78	Synthesis, molecular characterization and self-assembly of (PS- <i>b</i> -PDMS) <sub>n</sub> type linear (n = 1,) Tj ETQq0 0.0 rgBT /Overlock 1	1.9	35
79	Nanoscale silicon substrate patterns from self-assembly of cylinder forming poly(styrene)- <i>b</i> -poly(dimethylsiloxane) block copolymer on silane functionalized surfaces. <i>Nanotechnology</i> , 2017, 28, 044001.	1.3	4
80	Novel Castor Oil-Derived Block Copolymers as Promising Candidates for Biological Applications: Biorelevant and Biocompatible. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700305.	1.1	7
81	Impact of the Catalytic System on the Formation of Structural Defects for the Synthesis of Well-Defined Donor-Acceptor Semiconducting Polymers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700283.	1.1	3
82	Shear alignment of a poly(styrene-butadiene-styrene) triblock copolymer/MWCNT nanocomposite. <i>Polymer</i> , 2017, 131, 1-9.	1.8	23
83	Two of a kind but different: Luminescent carbon quantum dots from Citrus peels for iron and tartrazine sensing and cell imaging. <i>Talanta</i> , 2017, 175, 305-312.	2.9	124
84	Orienting Silicon-Containing Block Copolymer Films with Perpendicular Cylinders via Entropy and Surface Plasma Treatment. <i>Macromolecules</i> , 2017, 50, 9403-9410.	2.2	31
85	The role of chemical structure in indacenodithienothiophene- <i>b</i> -benzothiadiazole copolymers for high performance organic solar cells with improved photo-stability through minimization of burn-in loss. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25064-25076.	5.2	24
86	Indacenodithienothiophene-Based Ternary Organic Solar Cells. <i>Frontiers in Energy Research</i> , 2017, 4, .	1.2	8
87	Synthesis, characterization and self-assembly of well-defined linear heptablock quaterpolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1443-1449.	2.4	13
88	Diblock copolymers of polystyrene- <i>b</i> -poly(1,3-cyclohexadiene) exhibiting unique three-phase microdomain morphologies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1564-1572.	2.4	5
89	Morphology re-entry in asymmetric PS- <i>b</i> -PS' triblock copolymer and PS homopolymer blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 169-179.	2.4	8
90	Enhancement of the Power Conversion Efficiency in Organic Photovoltaics by Unveiling the Appropriate Polymer Backbone Enlargement Approach. <i>Advanced Functional Materials</i> , 2016, 26, 1840-1848.	7.8	28

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91	UV-solvent annealing of PDMS-majority and PS-majority PS- <i>b</i> -PDMS block copolymer films. <i>Nanotechnology</i> , 2016, 27, 465301.	1.3	11
92	Domain configurations in Co/Pd and L1 <sub>0</sub> -FePt nanowire arrays with perpendicular magnetic anisotropy. <i>Nanoscale</i> , 2016, 8, 5358-5367.	2.8	9
93	Antibacterial, Anti-Biofouling, and Antioxidant Prospects of Metal-Based Nanomaterials. <i>Clean - Soil, Air, Water</i> , 2016, 44, 794-802.	0.7	15
94	Design of block copolymer membranes using segregation strength trend lines. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 278-289.	1.7	24
95	Injectable Hydrogel: Amplifying the pH Sensitivity of a Triblock Copolypeptide by Conjugating the N-Termini via Dynamic Covalent Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17539-17548.	4.0	23
96	Nanocomposites based on nanostructured PI- <i>b</i> -PMMA copolymer and selectively placed PMMA-modified magnetic nanoparticles: Morphological and magnetic characterization. <i>European Polymer Journal</i> , 2016, 75, 514-524.	2.6	8
97	Orienting Block Copolymer Thin Films via Entropy. <i>Macromolecules</i> , 2016, 49, 624-633.	2.2	57
98	Mechanics of an Asymmetric Hard-Soft Lamellar Nanomaterial. <i>ACS Nano</i> , 2016, 10, 2054-2062.	7.3	21
99	Fabrication of ultra-dense sub-10 nm in-plane Si nanowire arrays by using a novel block copolymer method: optical properties. <i>Nanoscale</i> , 2016, 8, 2177-2187.	2.8	16
100	Organic Solar Cells: An Alternative Strategy to Adjust the Recombination Mechanism of Organic Photovoltaics by Implementing Ternary Compounds ( <i>Adv. Energy Mater.</i> 24/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	10.2	1
101	Photophysics of Molecular-Weight-Induced Losses in Indacenodithienothiophene-Based Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 4898-4907.	7.8	61
102	Immiscible polydiene blocks in linear copolymer and terpolymer sequences. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1238-1246.	2.4	9
103	Systematic Analysis of Polymer Molecular Weight Influence on the Organic Photovoltaic Performance. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1778-1797.	2.0	49
104	An Alternative Strategy to Adjust the Recombination Mechanism of Organic Photovoltaics by Implementing Ternary Compounds. <i>Advanced Energy Materials</i> , 2015, 5, 1501527.	10.2	56
105	Functionally graded poly(dimethylsiloxane)/silver nanocomposites with tailored broadband optical absorption. <i>Thin Solid Films</i> , 2015, 581, 14-19.	0.8	6
106	Formation of plasmonic colloidal silver for flexible and printed electronics using laser ablation. <i>Applied Surface Science</i> , 2015, 336, 262-266.	3.1	13
107	The impact of thienothiophene isomeric structures on the optoelectronic properties and photovoltaic performance in quinoxaline based donor-acceptor copolymers. <i>Polymer Chemistry</i> , 2015, 6, 3098-3109.	1.9	24
108	Aperiodic "Bricks and Mortar" Mesophase: a New Equilibrium State of Soft Matter and Application as a Stiff Thermoplastic Elastomer. <i>Macromolecules</i> , 2015, 48, 5378-5384.	2.2	33

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109	A vertical lamellae arrangement of sub-16 nm pitch (domain spacing) in a microphase separated PS-b-PEO thin film by salt addition. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7216-7227.	2.7	14
110	Creating Extremely Asymmetric Lamellar Structures via Fluctuation-Assisted Unbinding of Miktoarm Star Block Copolymer Alloys. <i>Journal of the American Chemical Society</i> , 2015, 137, 6160-6163.	6.6	41
111	Combined and Distinct Contributions of Different Carbon Nano-Forms in Polypropylene. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 611-626.	1.7	3
112	Soft Graphoepitaxy for Large Area Directed Self-Assembly of Polystyrene- <i>b</i> -Poly(dimethylsiloxane) Block Copolymer on Nanopatterned POSS Substrates Fabricated by Nanoimprint Lithography. <i>Advanced Functional Materials</i> , 2015, 25, 3425-3432.	7.8	20
113	Sparked-bismuth oxide screen-printed electrodes for the determination of riboflavin in the sub-nanomolar range in non-deoxygenated solutions. <i>Electrochimica Acta</i> , 2015, 165, 410-415.	2.6	26
114	Failure behavior after stepwise uniaxial extension of entangled polymer melts. <i>Journal of Rheology</i> , 2015, 59, 751-767.	1.3	11
115	High throughput sub-10nm metallic particles organization on templates made by block copolymer self-assembly and nanoimprint. <i>Microelectronic Engineering</i> , 2015, 141, 155-159.	1.1	4
116	Amino-Functionalized Multiwalled Carbon Nanotubes Lead to Successful Ring-Opening Polymerization of Poly( $\mu$ -caprolactone): Enhanced Interfacial Bonding and Optimized Mechanical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11683-11694.	4.0	21
117	Combining Graphoepitaxy and Electric Fields toward Uniaxial Alignment of Solvent-Annealed Polystyrene- <i>b</i> -Poly(dimethylsiloxane) Block Copolymers. <i>Chemistry of Materials</i> , 2015, 27, 6890-6898.	3.2	35
118	Carbon nanotubes/chitin nanowhiskers aerogel achieved by quaternization-induced gelation. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	12
119	Universal pattern transfer methods for metal nanostructures by block copolymer lithography. <i>Nanotechnology</i> , 2015, 26, 375301.	1.3	37
120	Synthesis and Self-Assembly of Amphiphilic Triblock Terpolymers with Complex Macromolecular Architecture. <i>ACS Macro Letters</i> , 2015, 4, 1392-1397.	2.3	14
121	Comparing linear and cyclic synthetic homopolypeptides: Synthesis and molecular characterization. <i>Journal of Polymer Science Part A</i> , 2015, 53, 393-404.	2.5	3
122	Synthesis via ATRP, kinetics study and characterization (molecular-morphological) of 3-Arm star diblock copolymers of the (PS- <i>b</i> -P2VP) <sub>3</sub> type. <i>Journal of Polymer Science Part A</i> , 2015, 53, 23-32.	2.5	10
123	Stimuli responsive fibrous hydrogels from hierarchical self-assembly of a triblock copolypeptide. <i>Soft Matter</i> , 2015, 11, 331-342.	1.2	25
124	Surface Initiated Polymerization from Graphene Oxide. <i>Current Organic Chemistry</i> , 2015, 19, 1757-1772.	0.9	3
125	Structural, optical, and conductive properties of a poly(styrene)- <i>b</i> -poly(thiophene) copolymer doped with fullerenes under different conditions. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	2
126	H-binding of size- and polarity-fractionated soil and lignite humic acids after removal of metal and ash components. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3963-3971.	2.7	16



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127	Non-covalent functionalization of carbon nanotubes with polymers. RSC Advances, 2014, 4, 2911-2934.	1.7	265
128	Understanding the mechanical and thermal property reinforcement of crosslinked polyethylene by nanodiamonds and carbon nanotubes. RSC Advances, 2014, 4, 45522-45534.	1.7	14
129	Toward Strong Thermoplastic Elastomers with Asymmetric Miktoarm Block Copolymer Architectures. Macromolecules, 2014, 47, 2037-2043.	2.2	69
130	Thin Film Morphologies of Bulk-Gyroid Polystyrene- <i>b</i> -polydimethylsiloxane under Solvent Vapor Annealing. Macromolecules, 2014, 47, 6000-6008.	2.2	62
131	Retardation of Grain Growth and Grain Boundary Pinning in Athermal Block Copolymer Blend Systems. Macromolecules, 2014, 47, 1419-1427.	2.2	21
132	Factors Controlling the Enhanced Mechanical and Thermal Properties of Nanodiamond-Reinforced Cross-Linked High Density Polyethylene. Journal of Physical Chemistry B, 2014, 118, 11341-11352.	1.2	33
133	Rheology of Entangled Polymers Not Far above Glass Transition Temperature: Transient Elasticity and Intersegmental Viscous Stress. Macromolecules, 2014, 47, 5839-5850.	2.2	13
134	Substantial enhancement of PP random copolymer's thermal stability due to the addition of MWCNTs and nanodiamonds: Decomposition kinetics and mechanism study. Journal of Analytical and Applied Pyrolysis, 2014, 106, 71-80.	2.6	10
135	Morphologies of ABC Triblock Terpolymer Melts Containing Poly(Cyclohexadiene): Effects of Conformational Asymmetry. Langmuir, 2013, 29, 1995-2006.	1.6	23
136	PI- <i>b</i> -PMMA diblock copolymers: nanostructure development in thin films and nanostructuring of thermosetting epoxy systems. Colloid and Polymer Science, 2013, 291, 2173-2180.	1.0	1
137	Phase Transitions of Polystyrene- <i>b</i> -poly(dimethylsiloxane) in Solvents of Varying Selectivity. Macromolecules, 2013, 46, 7513-7524.	2.2	67
138	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. Macromolecules, 2013, 46, 1860-1867.	2.2	48
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