

Giuseppe Portale

List of Publications by Year in descending order

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211
papers

8,264
citations

53660

45
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62479

80
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docs citations

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times ranked

10813
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Dynamic Control of a Multistate Chiral Supramolecular Polymer in Water. <i>Journal of the American Chemical Society</i> , 2022, 144, 6019-6027. | 6.6 | 36 |
| 2 | High-Performance Organic Electrochemical Transistors and Neuromorphic Devices Comprising Naphthalenediimide-Dialkoxybithiazole Copolymers Bearing Glycol Ether Pendant Groups. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 33 |
| 3 | Film formation mechanism uncovered in 2D/3D mixed-dimensional lead halide perovskites. <i>CheM</i> , 2022, 8, 899-902. | 5.8 | 0 |
| 4 | A light-fuelled nanoratchet shifts a coupled chemical equilibrium. <i>Nature Nanotechnology</i> , 2022, 17, 159-165. | 15.6 | 41 |
| 5 | Structural Dynamics and Tunability for Colloidal Tin Halide Perovskite Nanostructures. <i>Advanced Materials</i> , 2022, 34, e2201353. | 11.1 | 16 |
| 6 | Tin-lead-metal halide perovskite solar cells with enhanced crystallinity and efficiency by addition of fluorinated long organic cation. <i>Applied Physics Reviews</i> , 2022, 9, . | 5.5 | 13 |
| 7 | Confined crystallization and polymorphism in iPP thin films. <i>Polymer</i> , 2022, 255, 125126. | 1.8 | 1 |
| 8 | Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie</i> , 2021, 133, 3259-3265. | 1.6 | 8 |
| 9 | Amphipathic Side Chain of a Conjugated Polymer Optimizes Dopant Location toward Efficient N-Type Organic Thermoelectrics. <i>Advanced Materials</i> , 2021, 33, e2006694. | 11.1 | 91 |
| 10 | Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3222-3228. | 7.2 | 25 |
| 11 | Solution-processing of semiconducting organic small molecules: what we have learnt from 5,11-bis(triethylsilylethynyl)anthradithiophene. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10547-10556. | 2.7 | 11 |
| 12 | Field-Effect Transistors Based on Formamidinium Tin Triiodide Perovskite. <i>Advanced Functional Materials</i> , 2021, 31, 2008478. | 7.8 | 44 |
| 13 | Proton conducting ABA triblock copolymers with sulfonated poly(phenylene sulfide sulfone) midblock obtained via copper-free thiol-click chemistry. <i>Polymer Chemistry</i> , 2021, 12, 2563-2571. | 1.9 | 3 |
| 14 | Fullerene derivatives with oligoethylene-glycol side chains: an investigation on the origin of their outstanding transport properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16217-16225. | 2.7 | 10 |
| 15 | Influence of the stoichiometry of tin-based 2D/3D perovskite active layers on solar cell performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10095-10103. | 5.2 | 13 |
| 16 | Self-Organized Tailoring of Faceted Glass Nanowrinkles for Organic Nanoelectronics. <i>ACS Applied Nano Materials</i> , 2021, 4, 1940-1950. | 2.4 | 11 |
| 17 | Boosting the Thermoelectric Properties of PEDOT:PSS via Low-Impact Deposition of Tin Oxide Nanoparticles. <i>Advanced Electronic Materials</i> , 2021, 7, 2001284. | 2.6 | 13 |
| 18 | Structural Transitions During Formation and Rehydration of Proton Conducting Polymeric Membranes. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000717. | 2.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Engineering the Thermoelectrical Properties of PEDOT:PSS by Alkali Metal Ion Effect. <i>Engineering</i> , 2021, 7, 647-654. | 3.2 | 7 |
| 20 | Molecular Doping Directed by a Neutral Radical. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29858-29865. | 4.0 | 12 |
| 21 | Scalable, Template Driven Formation of Highly Crystalline Lead-In Halide Perovskite Films. <i>Advanced Functional Materials</i> , 2021, 31, 2105734. | 7.8 | 22 |
| 22 | Ionic thermoelectric materials for waste heat harvesting. <i>Colloid and Polymer Science</i> , 2021, 299, 465-479. | 1.0 | 16 |
| 23 | Crystallization driven boost in fill factor and stability in additive-free organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23783-23792. | 5.2 | 11 |
| 24 | Revisiting the Mechanism of the Meso-to- β Transition of Isotactic Polypropylene and Ethylene-Propylene Random Copolymers. <i>Macromolecules</i> , 2021, 54, 9681-9691. | 2.2 | 2 |
| 25 | Data Mining of Polymer Phase Transitions upon Temperature Changes by Small and Wide-Angle X-ray Scattering Combined with Raman Spectroscopy. <i>Polymers</i> , 2021, 13, 4203. | 2.0 | 3 |
| 26 | Tuning the Energetic Landscape of Ruddlesden-Popper Perovskite Films for Efficient Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 39-46. | 8.8 | 47 |
| 27 | Stable Cesium Formamidinium Lead Halide Perovskites: A Comparison of Photophysics and Phase Purity in Thin Films and Single Crystals. <i>Energy Technology</i> , 2020, 8, 1901041. | 1.8 | 19 |
| 28 | Intermolecular channels direct crystal orientation in mineralized collagen. <i>Nature Communications</i> , 2020, 11, 5068. | 5.8 | 90 |
| 29 | DNA Self-Assembly Mediated by Programmable Soft-Patchy Interactions. <i>ACS Nano</i> , 2020, 14, 13524-13535. | 7.3 | 6 |
| 30 | Rapid Self-Assembly and Sequential Infiltration Synthesis of High β Fluorine-Containing Block Copolymers. <i>Macromolecules</i> , 2020, 53, 6246-6254. | 2.2 | 10 |
| 31 | De novo rational design of a freestanding, supercharged polypeptide, proton-conducting membrane. <i>Science Advances</i> , 2020, 6, eabc0810. | 4.7 | 24 |
| 32 | Unraveling the Microstructure of Layered Metal Halide Perovskite Films. <i>Small Structures</i> , 2020, 1, 2000074. | 6.9 | 8 |
| 33 | Contribution of Ex-Situ and In-Situ X-ray Grazing Incidence Scattering Techniques to the Understanding of Quantum Dot Self-Assembly: A Review. <i>Nanomaterials</i> , 2020, 10, 2240. | 1.9 | 8 |
| 34 | N-type organic thermoelectrics: demonstration of $ZT > 0.3$. <i>Nature Communications</i> , 2020, 11, 5694. | 5.8 | 98 |
| 35 | On the Colloidal Stability of PbS Quantum Dots Capped with Methylammonium Lead Iodide Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52959-52966. | 4.0 | 17 |
| 36 | Systematic Investigation on the Structure-Property Relationship in Isotactic Polypropylene Films Processed via Cast Film Extrusion. <i>Polymers</i> , 2020, 12, 1636. | 2.0 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Role of the Processing Solvent on the Electrical Conductivity of PEDOT:PSS. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000641. | 1.9 | 53 |
| 38 | Highly Stable Membranes of Poly(phenylene sulfide benzimidazole) Cross-Linked with Polyhedral Oligomeric Silsesquioxanes for High-Temperature Proton Transport. <i>ACS Applied Energy Materials</i> , 2020, 3, 7873-7884. | 2.5 | 21 |
| 39 | Surface mobility and impact of precursor dosing during atomic layer deposition of platinum: <i>in situ</i> monitoring of nucleation and island growth. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24917-24933. | 1.3 | 19 |
| 40 | Structural characterization of supramolecular hollow nanotubes with atomistic simulations and SAXS. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21083-21093. | 1.3 | 14 |
| 41 | Photochromism in Ruddlesden-Popper copper-based perovskites: a light-induced change of coordination number at the surface. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15377-15384. | 2.7 | 14 |
| 42 | Molecular packing structure of fibrin fibers resolved by X-ray scattering and molecular modeling. <i>Soft Matter</i> , 2020, 16, 8272-8283. | 1.2 | 13 |
| 43 | Can Ferroelectricity Improve Organic Solar Cells?. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000124. | 2.0 | 4 |
| 44 | Supramolecular Polymer Brushes: Influence of Molecular Weight and Cross-Linking on Linear Viscoelastic Behavior. <i>Macromolecules</i> , 2020, 53, 4810-4820. | 2.2 | 4 |
| 45 | Impact of the Hole Transport Layer on the Charge Extraction of Ruddlesden-Popper Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29505-29512. | 4.0 | 4 |
| 46 | Crystal Formation: Mechanism of Crystal Formation in Ruddlesden-Popper Sn-Based Perovskites (Adv.) <i>Tj ETQq0,0 0 rgBI /Overlock</i> | 7.8 | 7 |
| 47 | Novel engineered proteins for mechanomaterials. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 1122-1123. | 2.3 | 0 |
| 48 | Mechanism of Crystal Formation in Ruddlesden-Popper Sn-Based Perovskites. <i>Advanced Functional Materials</i> , 2020, 30, 2001294. | 7.8 | 91 |
| 49 | Order-disorder transition in supramolecular polymer combs/brushes with polymeric side chains. <i>Polymer Chemistry</i> , 2020, 11, 2749-2760. | 1.9 | 5 |
| 50 | Lithium and magnesium polymeric electrolytes prepared using poly(glycidyl ether)-based polymers with short grafted chains. <i>Polymer Chemistry</i> , 2020, 11, 2070-2079. | 1.9 | 6 |
| 51 | Thiol-free self-assembled oligoethylene glycols enable robust air-stable molecular electronics. <i>Nature Materials</i> , 2020, 19, 330-337. | 13.3 | 60 |
| 52 | Fabrication of highly ordered Cu ²⁺ /Fe ³⁺ decorated polyhedral oligomeric silsesquioxane hybrids: How metal coordination influences structure. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 207-215. | 5.0 | 2 |
| 53 | Electrical Conductivity of Doped Organic Semiconductors Limited by Carrier-Carrier Interactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56222-56230. | 4.0 | 32 |
| 54 | Tailoring block copolymer nanoporous thin films with acetic acid as a small guest molecule. <i>Polymer International</i> , 2019, 68, 1914-1920. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Doping Engineering Enables Highly Conductive and Thermally Stable n-Type Organic Thermoelectrics with High Power Factor. <i>ACS Applied Energy Materials</i> , 2019, 2, 6664-6671. | 2.5 | 38 |
| 56 | Improved energy density and charge-discharge efficiency in solution processed highly defined ferroelectric block copolymer-based dielectric nanocomposites. <i>Nano Energy</i> , 2019, 64, 103939. | 8.2 | 17 |
| 57 | Chemical Solution Deposition of Ordered 2D Arrays of Room-Temperature Ferrimagnetic Cobalt Ferrite Nanodots. <i>Polymers</i> , 2019, 11, 1598. | 2.0 | 7 |
| 58 | Investigation of the Nanoscale Morphology in Industrially Relevant Clearcoats of Waterborne Polymer Colloids by Means of Variable-Angle Grazing Incidence Small-Angle X-ray Scattering. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2482-2494. | 2.0 | 6 |
| 59 | Electrostatically PEGylated DNA enables salt-free hybridization in water. <i>Chemical Science</i> , 2019, 10, 10097-10105. | 3.7 | 9 |
| 60 | Supramolecular Mimic for Bottlebrush Polymers in Bulk. <i>ACS Omega</i> , 2019, 4, 16481-16492. | 1.6 | 12 |
| 61 | Monitoring morphology evolution within block copolymer microparticles during dispersion polymerisation in supercritical carbon dioxide: a high pressure SAXS study. <i>Polymer Chemistry</i> , 2019, 10, 860-871. | 1.9 | 20 |
| 62 | Physical pinning and chemical crosslinking-induced relaxor ferroelectric behavior in P(VDF- <i>ter</i> -TrFE- <i>ter</i> -VA) terpolymers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2795-2803. | 5.2 | 17 |
| 63 | Overcoming Coulomb Interaction Improves Free-Charge Generation and Thermoelectric Properties for n-Doped Conjugated Polymers. <i>ACS Energy Letters</i> , 2019, 4, 1556-1564. | 8.8 | 110 |
| 64 | Bicontinuous Network Nanostructure with Tunable Thickness Formed on Asymmetric Triblock Terpolymer Thick Films. <i>Macromolecules</i> , 2019, 52, 4413-4420. | 2.2 | 10 |
| 65 | Energy level modulation of ITIC derivatives: Effects on the photodegradation of conventional and inverted organic solar cells. <i>Organic Electronics</i> , 2019, 69, 255-262. | 1.4 | 31 |
| 66 | Enhancing the crystallinity and perfecting the orientation of formamidinium tin iodide for highly efficient Sn-based perovskite solar cells. <i>Nano Energy</i> , 2019, 60, 810-816. | 8.2 | 140 |
| 67 | A Photoaddressable Liquid Crystalline Phase Transition in Graphene Oxide Nanocomposites. <i>Advanced Functional Materials</i> , 2019, 29, 1900738. | 7.8 | 2 |
| 68 | Improved photostability in ternary blend organic solar cells: the role of [70]PCBM. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5104-5111. | 2.7 | 46 |
| 69 | Favorable Mixing Thermodynamics in Ternary Polymer Blends for Realizing High Efficiency Plastic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803394. | 10.2 | 44 |
| 70 | Cytoskeletal stiffening in synthetic hydrogels. <i>Nature Communications</i> , 2019, 10, 609. | 5.8 | 63 |
| 71 | Electroactive materials with tunable response based on block copolymer self-assembly. <i>Nature Communications</i> , 2019, 10, 601. | 5.8 | 44 |
| 72 | Pronounced Surface Effects on the Curie Transition Temperature in Nanoconfined P(VDF-TrFE) Crystals. <i>Macromolecules</i> , 2019, 52, 1567-1576. | 2.2 | 12 |

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| 73 | In situ observation of synthesized nanoparticles in ultra-dilute aerosols via X-ray scattering. Nano Research, 2019, 12, 25-31. | 5.8 | 9 |
| 74 | Tailored Self-Assembled Ferroelectric Polymer Nanostructures with Tunable Response. Macromolecules, 2019, 52, 354-364. | 2.2 | 12 |
| 75 | Micellar-Mediated Block Copolymer Ordering Dynamics Revealed by In Situ Grazing Incidence Small-Angle X-Ray Scattering during Spin Coating. Advanced Functional Materials, 2019, 29, 1806741. | 7.8 | 13 |
| 76 | Mechanistic insights in Zr- and Hf-based molecular hybrid EUV photoresists. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2019, 18, 1. | 1.0 | 21 |
| 77 | Operando SAXS/WAXS on the a-P/C as the Anode for Na-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 5917-5923. | 1.5 | 10 |
| 78 | Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. Angewandte Chemie - International Edition, 2018, 57, 6878-6882. | 7.2 | 38 |
| 79 | Enhancing Molecular n-Type Doping of Donor-Acceptor Copolymers by Tailoring Side Chains. Advanced Materials, 2018, 30, 1704630. | 11.1 | 217 |
| 80 | Porphyrin/sPEEK Membranes with Improved Conductivity and Durability for PEFC Technology. ACS Applied Energy Materials, 2018, 1, 1664-1673. | 2.5 | 16 |
| 81 | Highly Reproducible Sn-Based Hybrid Perovskite Solar Cells with 9% Efficiency. Advanced Energy Materials, 2018, 8, 1702019. | 10.2 | 726 |
| 82 | n-Type Organic Thermoelectrics of Donor-Acceptor Copolymers: Improved Power Factor by Molecular Tailoring of the Density of States. Advanced Materials, 2018, 30, e1804290. | 11.1 | 161 |
| 83 | Complex strain induced structural changes observed in fibrin assembled in human plasma. Nanoscale, 2018, 10, 10063-10072. | 2.8 | 7 |
| 84 | Enhancing the ferroelectric performance of P(VDF-co-TrFE) through modulation of crystallinity and polymorphism. Polymer, 2018, 149, 66-72. | 1.8 | 28 |
| 85 | Side-chain effects on N-type organic thermoelectrics: A case study of fullerene derivatives. Nano Energy, 2018, 52, 183-191. | 8.2 | 45 |
| 86 | Enhancing the Performance of the Half Tin and Half Lead Perovskite Solar Cells by Suppression of the Bulk and Interfacial Charge Recombination. Advanced Materials, 2018, 30, e1803703. | 11.1 | 65 |
| 87 | Solar Cells: Enhancing the Performance of the Half Tin and Half Lead Perovskite Solar Cells by Suppression of the Bulk and Interfacial Charge Recombination (Adv. Mater. 35/2018). Advanced Materials, 2018, 30, 1870263. | 11.1 | 0 |
| 88 | Ti, Zr, and Hf-based molecular hybrid materials as EUV photoresists. , 2018, , . | | 5 |
| 89 | Surface induced orientation and vertically layered morphology in thin films of poly(3-hexylthiophene) crystallized from the melt. Journal of Materials Research, 2017, 32, 1957-1968. | 1.2 | 22 |
| 90 | Templated Sub-100-nm-Thick Double-Cyroid Structure from Si-Containing Block Copolymer Thin Films. Small, 2017, 13, 1603777. | 5.2 | 16 |

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|-----|--|------|-----------|
| 91 | Independent tuning of size and coverage of supported Pt nanoparticles using atomic layer deposition. Nature Communications, 2017, 8, 1074. | 5.8 | 95 |
| 92 | Submicrometer Structure Formation during Spin Coating Revealed by Time-Resolved In Situ Laser and X-Ray Scattering. Advanced Functional Materials, 2017, 27, 1702516. | 7.8 | 35 |
| 93 | N-type Organic Thermoelectrics: Improved Power Factor by Tailoring Host-Dopant Miscibility. Advanced Materials, 2017, 29, 1701641. | 11.1 | 131 |
| 94 | Nematic DNA Thermotropic Liquid Crystals with Photoresponsive Mechanical Properties. Small, 2017, 13, 1701207. | 5.2 | 32 |
| 95 | On the Dimensional Control of 2D Hybrid Nanomaterials. Chemistry - A European Journal, 2017, 23, 12534-12541. | 1.7 | 4 |
| 96 | Fabrication and Postmodification of Nanoporous Liquid Crystalline Networks via Dynamic Covalent Chemistry. Chemistry of Materials, 2017, 29, 6601-6605. | 3.2 | 22 |
| 97 | Formation and growth of palladium nanoparticles inside porous poly(4-vinyl-pyridine) monitored by operando techniques: The role of different reducing agents. Catalysis Today, 2017, 283, 144-150. | 2.2 | 8 |
| 98 | Anisotropic Lithium Ion Conductivity in Single-Ion Diblock Copolymer Electrolyte Thin Films. Macromolecular Rapid Communications, 2016, 37, 221-226. | 2.0 | 7 |
| 99 | Mobile setup for synchrotron based <i>in situ</i> characterization during thermal and plasma-enhanced atomic layer deposition. Review of Scientific Instruments, 2016, 87, 113905. | 0.6 | 21 |
| 100 | Bulk heterojunction morphology of polymer:fullerene blends revealed by ultrafast spectroscopy. Scientific Reports, 2016, 6, 36236. | 1.6 | 19 |
| 101 | Pd nanoparticles formation inside porous polymeric scaffolds followed by <i>in situ</i> XANES/SAXS. Journal of Physics: Conference Series, 2016, 712, 012039. | 0.3 | 1 |
| 102 | Archimedean Tilings and Hierarchical Lamellar Morphology Formed by Semicrystalline Miktoarm Star Terpolymer Thin Films. ACS Nano, 2016, 10, 4055-4061. | 7.3 | 21 |
| 103 | Polymer research and synchrotron radiation perspectives. European Polymer Journal, 2016, 81, 415-432. | 2.6 | 16 |
| 104 | The evolution of bicontinuous polymeric nanospheres in aqueous solution. Soft Matter, 2016, 12, 4113-4122. | 1.2 | 19 |
| 105 | Accelerated growth from amorphous clusters to metallic nanoparticles observed in electrochemical deposition of platinum within nanopores of porous silicon. Electrochemistry Communications, 2016, 71, 9-12. | 2.3 | 10 |
| 106 | Bundle Formation in Biomimetic Hydrogels. Biomacromolecules, 2016, 17, 2642-2649. | 2.6 | 47 |
| 107 | Smectic phase in suspensions of gapped DNA duplexes. Nature Communications, 2016, 7, 13358. | 5.8 | 38 |
| 108 | Structurally-driven Enhancement of Thermoelectric Properties within Poly(3,4-ethylenedioxythiophene) thin Films. Scientific Reports, 2016, 6, 30501. | 1.6 | 67 |

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|-----|--|-----|-----------|
| 109 | Melt-Miscible Oxalamide Based Nucleating Agents and Their Nucleation Efficiency in Isotactic Polypropylene. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11756-11766. | 1.8 | 14 |
| 110 | Tuning Ordered Pattern of Pd Species through Controlled Block Copolymer Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6829-6841. | 1.2 | 6 |
| 111 | Molecular ordering in the high-temperature nematic phase of an all-aromatic liquid crystal. <i>Soft Matter</i> , 2016, 12, 2309-2314. | 1.2 | 10 |
| 112 | How does dense phase CO ₂ influence the phase behaviour of block copolymers synthesised by dispersion polymerisation?. <i>Polymer Chemistry</i> , 2016, 7, 905-916. | 1.9 | 25 |
| 113 | Improving Stiffness, Strength, and Toughness of Poly(ϵ -pentadecalactone) Fibers through <i>in Situ</i> Reinforcement with a Vanillic Acid-Based Thermotropic Liquid Crystalline Polyester. <i>Macromolecules</i> , 2016, 49, 2228-2237. | 2.2 | 17 |
| 114 | Structure evolution during film blowing: An experimental study using in-situ small angle X-ray scattering. <i>European Polymer Journal</i> , 2016, 74, 190-208. | 2.6 | 34 |
| 115 | Combining Fast Scanning Chip Calorimetry with Structural and Morphological Characterization Techniques. , 2016, , 327-359. | | 9 |
| 116 | Real-Time Fast Structuring of Polymers Using Synchrotron WAXD/SAXS Techniques. <i>Advances in Polymer Science</i> , 2015, , 127-165. | 0.4 | 11 |
| 117 | Simultaneous Synchrotron WAXD and Fast Scanning (Chip) Calorimetry: On the (Isothermal) Crystallization of HDPE and PA11 at High Supercoolings and Cooling Rates up to 200 Å°C s ⁻¹ . <i>Macromolecular Rapid Communications</i> , 2015, 36, 1184-1191. | 2.0 | 44 |
| 118 | Microfluidic Assisted Self-Assembly of pH-Sensitive Low-Molecular Weight Hydrogelators Close to the Minimum Gelation Concentration. <i>Macromolecular Symposia</i> , 2015, 358, 59-66. | 0.4 | 4 |
| 119 | The Pyridyl Functional Groups Guide the Formation of Pd Nanoparticles Inside A Porous Poly(4-Vinylpyridine). <i>ChemCatChem</i> , 2015, 7, 2188-2195. | 1.8 | 15 |
| 120 | Photoresponsive Nanoporous Smectic Liquid Crystalline Polymer Networks: Changing the Number of Binding Sites and Pore Dimensions in Polymer Adsorbents by Light. <i>Macromolecules</i> , 2015, 48, 4073-4080. | 2.2 | 29 |
| 121 | About the Interactions Controlling Nafion TM s Viscoelastic Properties and Morphology. <i>Macromolecules</i> , 2015, 48, 8534-8545. | 2.2 | 22 |
| 122 | Testing the Vesicular Morphology to Destruction: Birth and Death of Diblock Copolymer Vesicles Prepared via Polymerization-Induced Self-Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 1929-1937. | 6.6 | 168 |
| 123 | Induced Chirality in Confined Space on Halogen Gold Complexes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18798-18807. | 1.5 | 3 |
| 124 | Understanding the unusual reorganization of the nanostructure of a dark conglomerate phase. <i>Physical Review E</i> , 2015, 91, 042504. | 0.8 | 22 |
| 125 | Unusual Melting Behavior in Flow Induced Crystallization of LLDPE: Effect of Pressure. <i>Macromolecules</i> , 2015, 48, 2551-2560. | 2.2 | 20 |
| 126 | Synthesis, Thermal Processing, and Thin Film Morphology of Poly(3-hexylthiophene)- <i>b</i> -Poly(styrenesulfonate) Block Copolymers. <i>Macromolecules</i> , 2015, 48, 2107-2117. | 2.2 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | <i>In Situ</i> Monitoring of Laser-Induced Periodic Surface Structures Formation on Polymer Films by Grazing Incidence Small-Angle X-ray Scattering. <i>Langmuir</i> , 2015, 31, 3973-3981. | 1.6 | 29 |
| 128 | The effects of lateral halogen substituents on the low-temperature cybotactic nematic phase in oxadiazole based bent-core liquid crystals. <i>Liquid Crystals</i> , 2015, 42, 1754-1764. | 0.9 | 21 |
| 129 | Polymer Solar Cells: Solubility Controls Fiber Network Formation. <i>Journal of the American Chemical Society</i> , 2015, 137, 11783-11794. | 6.6 | 133 |
| 130 | Sub-10 nm Features Obtained from Directed Self-Assembly of Semicrystalline Polycarbosilane-Based Block Copolymer Thin Films. <i>Advanced Materials</i> , 2015, 27, 261-265. | 11.1 | 63 |
| 131 | Probing polymer crystallization at processing-relevant cooling rates with synchrotron radiation. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 132 | Structure Development of Low-Density Polyethylenes During Film Blowing: A Real-Time Wide-Angle X-ray Diffraction Study. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1494-1512. | 1.7 | 32 |
| 133 | A high pressure cell for supercritical CO ₂ on-line chemical reactions studied with x-ray techniques. <i>Review of Scientific Instruments</i> , 2014, 85, 093905. | 0.6 | 17 |
| 134 | Effect of the <i>Ortho</i> Alkylation of Perylene Bisimides on the Alignment and Self-Assembly Properties. <i>ChemistryOpen</i> , 2014, 3, 138-141. | 0.9 | 13 |
| 135 | Synchrotron based in situ characterization during atomic layer deposition. , 2014, , . | | 0 |
| 136 | Influence of metal-support interaction on the surface structure of gold nanoclusters deposited on native SiO _x /Si substrates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6649. | 1.3 | 25 |
| 137 | Kinetics of Cross-Nucleation in Isotactic Poly(1-butene). <i>Macromolecules</i> , 2014, 47, 870-873. | 2.2 | 47 |
| 138 | Evidence of Cybotactic Order in the Nematic Phase of a Main-Chain Liquid Crystal Polymer with Bent-Core Repeat Unit. <i>ACS Macro Letters</i> , 2014, 3, 91-95. | 2.3 | 29 |
| 139 | Self-nucleation of isotactic poly(1-butene) in the trigonal modification. <i>Polymer</i> , 2014, 55, 137-142. | 1.8 | 78 |
| 140 | Morphology and local organization of water-containing (1R,2S)-dodecyl(2-hydroxy-1-methyl-2-phenylethyl)dimethylammonium bromide reverse micelles dispersed in toluene. <i>Journal of Chemical Physics</i> , 2014, 141, 084904. | 1.2 | 2 |
| 141 | Dynamic Behavior of Supramolecular Comb Polymers Consisting of Poly(2-Vinyl Pyridine) and Palladium-Pincer Surfactants in the Solid State. <i>Chemistry - A European Journal</i> , 2014, 20, 6951-6959. | 1.7 | 4 |
| 142 | Additive-assisted supramolecular manipulation of polymer:fullerene blend phase morphologies and its influence on photophysical processes. <i>Materials Horizons</i> , 2014, 1, 270-279. | 6.4 | 58 |
| 143 | X-ray irradiation induced reduction and nanoclustering of lead in borosilicate glass. <i>CrystEngComm</i> , 2014, 16, 9331-9339. | 1.3 | 23 |
| 144 | Hierarchical Structures of Polystyrene-block-poly(2-vinylpyridine)/Palladium-Pincer Surfactants: Effect of Weak Surfactant-Polymer Interactions on the Morphological Behavior. <i>Macromolecules</i> , 2014, 47, 5774-5783. | 2.2 | 13 |

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