

Samira Agbolaghi

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94
papers

877
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18
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23
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96
ext. papers

996
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
94	A comprehensive review on poly(3-alkylthiophene)-based crystalline structures, protocols and electronic applications. <i>Organic Electronics</i> , 2017 , 51, 362-403	3.5	59
93	A comprehensive review on polymer single crystals from fundamental concepts to applications. <i>Progress in Polymer Science</i> , 2018 , 81, 22-79	29.6	32
92	High efficient and stabilized photovoltaics via morphology manipulating in active layer by rod-coil block copolymers comprising different hydrophilic to hydrophobic dielectric blocks. <i>European Polymer Journal</i> , 2016 , 84, 465-480	5.2	32
91	Conductive and biodegradable scaffolds based on a five-arm and functionalized star-like polyaniline-polycaprolactone copolymer with a D-glucose core. <i>New Journal of Chemistry</i> , 2017 , 41, 6371-6384	3.6	31
90	Scrolled/Flat Crystalline Structures of Poly(3-hexylthiophene) and Poly(ethylene glycol) Block Copolymers Subsuming Unseeded Half-Ring-Like and Seeded Cubic, Epitaxial, and Fibrillar Crystals. <i>Macromolecules</i> , 2016 , 49, 9531-9541	5.5	28
89	Verification of Scherrer formula for well-shaped poly(3-hexylthiophene)-based conductive single crystals and nanofibers and fabrication of photovoltaic devices from thin film coating. <i>Macromolecular Research</i> , 2017 , 25, 826-840	1.9	27
88	Arrangement of Conductive Rod Nanobrushes via Conductive Dielectric Conductive Sandwiched Single Crystals of Poly(ethylene glycol) and Polyaniline Block Copolymers. <i>Macromolecules</i> , 2015 , 48, 8947-8957	5.5	27
87	Annealing-free multi-thermal techniques comprising aging, cycling and seeding to enhance performance of thick P3HT:PCBM photovoltaic cells via developing hairy crystals. <i>Materials Science in Semiconductor Processing</i> , 2017 , 63, 285-294	4.3	26
86	High-Quality Nano/Micro Hairy Single Crystals Developed from Poly(3-hexylthiophene)-Based Conductive Dielectric Block Copolymers Having Flat-on and Edge-on Orientations. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700067	2.6	24
85	The highest power conversion efficiencies in poly(3-hexylthiophene)/fullerene photovoltaic cells modified by rod-coil block copolymers under different annealing conditions. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 10611-10624	2.1	22
84	A novel approach to prepare polymer mixed-brushes via single crystal surface patterning. <i>RSC Advances</i> , 2014 , 4, 17071-17082	3.7	21
83	Composite electrospun nanofibers of reduced graphene oxide grafted with poly(3-dodecylthiophene) and poly(3-thiophene ethanol) and blended with polycaprolactone. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1740-1761	3.5	21
82	Self-assembling nano mixed-brushes having co-continuous surface morphology by melt growing single crystals and comparison with solution patterned leopard-skin surface morphology. <i>RSC Advances</i> , 2015 , 5, 1538-1548	3.7	19
81	Epitaxial single crystal surface patterning and study of physical and chemical environmental effects on crystal growth. <i>Colloid and Polymer Science</i> , 2014 , 292, 1375-1383	2.4	19
80	Self-designed surfaces via single-co-crystallization of homopolymer and diblock copolymers in various growth conditions. <i>European Polymer Journal</i> , 2015 , 66, 108-118	5.2	19
79	Thermal and optical properties of nano/micro single crystals and nanofibers obtained from semiconductive-dielectric poly(3-hexylthiophene) block copolymers. <i>Materials Science in Semiconductor Processing</i> , 2017 , 64, 85-94	4.3	18
78	Biodegradable and conductive hyperbranched terpolymers based on aliphatic polyester, poly(D,L-lactide), and polyaniline used as scaffold in tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 808-821	3	18

77	Bulk heterojunction photovoltaics with improved efficiencies using stem-leaf, shish-kebab and double-fibrillar nano-hybrids based on modified carbon nanotubes and poly(3-hexylthiophene). <i>Solar Energy</i> , 2018 , 170, 138-150	6.8	18
76	Micro/nano conductive-dielectric channels designed by poly(ethylene glycol) single crystals covered by polyaniline nanofibers. <i>Polymer</i> , 2016 , 92, 264-272	3.9	18
75	Preparation of polymer brushes via growth of single crystals of poly(ethylene glycol)-block-polystyrene diblock copolymers synthesized by ATRP and studying the crystal lateral size and brush tethering density. <i>Polymer Bulletin</i> , 2014 , 71, 3177-3196	2.4	17
74	Dual stimuli-responsive poly(succinylxyethylmethacrylate-b-N-isopropylacrylamide) block copolymers as nanocarriers and respective application in doxorubicin delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 101-109	3	16
73	A Comparison Between Functions of Carbon Nanotube and Reduced Graphene Oxide and Respective Ameliorated Derivatives in Perovskite Solar Cells. <i>Macromolecular Research</i> , 2020 , 28, 425-432	1.9	16
72	Enhanced properties of photovoltaic devices tailored with novel supramolecular structures based on reduced graphene oxide nanosheets grafted/functionalized with thiophenic materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1877-1889	2.6	14
71	Efficiency above 6% in poly(3-hexylthiophene):phenyl-C-butyrac acid methyl ester photovoltaics via simultaneous addition of poly(3-hexylthiophene) based grafted graphene nanosheets and hydrophobic block copolymers. <i>Polymer International</i> , 2019 , 68, 1292-1302	3.3	13
70	Butterfly nanostructures via regioregularly grafted multi-walled carbon nanotubes and poly(3-hexylthiophene) to improve photovoltaic characteristics. <i>Polymer International</i> , 2019 , 68, 335-343	3.3	13
69	Polymer wrapping versus well-oriented crystal growth of polythiophenes onto multi-wall carbon nanotubes via surface chemical modification and regioregularity deliberation. <i>New Journal of Chemistry</i> , 2018 , 42, 14469-14480	3.6	12
68	Liver tissue engineering via hyperbranched polypyrrole scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 1112-1122	3	11
67	Fine fibrillar and rectangular/hexagonal ordered grains of poly(3-hexyl thiophene) and poly(ethylene glycol) developed by seeding technique. <i>Journal of Nanostructure in Chemistry</i> , 2017 , 7, 15-27	7.6	10
66	Towards skin tissue engineering using poly(2-hydroxy ethyl methacrylate)-co-poly(N-isopropylacrylamide)-co-poly(ϵ -caprolactone) hydrophilic terpolymers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019 , 68, 691-700	3	10
65	Graphenic nanosheets sandwiched between crystalline cakes of poly(3-hexylthiophene) via simultaneous grafting/crystallization and their applications in active photovoltaic layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7018-7030	2.1	10
64	High-performance photovoltaics by double-charge transporters using graphenic nanosheets and triisopropylsilylethynyl/naphthothiadiazole moieties. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 293-300	6.3	10
63	A summary on non-viral systems for gene delivery based on natural and synthetic polymers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 1-20	3	10
62	Porous conductive and biocompatible scaffolds on the basis of polycaprolactone and polythiophene for scaffolding. <i>Polymer Bulletin</i> , 2020 , 77, 1829-1846	2.4	10
61	A subtle insight into nano-convergence of substrate thickness in melt-grown single-co-crystals. <i>Colloid and Polymer Science</i> , 2016 , 294, 869-878	2.4	9
60	Characterization of novel extremely extended regime in conductive rod-like polyaniline nanobrush-covered poly(ethylene glycol) single crystals. <i>European Polymer Journal</i> , 2016 , 82, 196-207	5.2	9

59	Well-functioned photovoltaics based on nanofibers composed of PBDT-TIPS-DTNT-DT and graphenic precursors thermally modified by polythiophene, polyaniline and polypyrrole. <i>Polymer International</i> , 2019 , 68, 1516-1523	3.3	8
58	pH-responsive magnetic nanocomposites based on poly(2-succinyloxyethyl methacrylate-co-methylmethacrylate) for anticancer doxorubicin delivery applications. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	8
57	Efficacy beyond 17% via engineering the length and quality of grafts in organic halide perovskite/CNT photovoltaics. <i>New Journal of Chemistry</i> , 2019 , 43, 10567-10574	3.6	7
56	Conversion of Face-On Orientation to Edge-On/Flat-On in Induced-Crystallization of Poly(3-hexylthiophene) via Functionalization/Grafting of Reduced Graphene Oxide with Thiophene Adducts. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700484	2.6	7
55	A step towards high-performance photovoltaics via three-component P3HT/PANI-graft-rGO nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 650-660	1.8	6
54	Role of graphene ordered modifiers in regulating the organic halide perovskite devices. <i>Optical Materials</i> , 2019 , 92, 81-86	3.3	6
53	Saturation/unsaturation of P3HT:PC71BM photovoltaics with CNT derivatives and correlated supramolecules. <i>Organic Electronics</i> , 2019 , 68, 271-279	3.5	6
52	Supramolecular donor-acceptor structures via orienting predeveloped fibrillar poly(3-hexylthiophene) crystals on bared/functionalized/grafted reduced graphene oxide with novel thiophenic constituents. <i>Organic Electronics</i> , 2018 , 52, 243-256	3.5	6
51	Co-delivery of methotrexate and doxorubicin via nanocarriers of star-like poly(DMAEMA-block-HEMA-block-AAc) terpolymers. <i>Polymer International</i> , 2019 , 68, 1795-1803	3.3	6
50	Conventional and rare-patched rod/coil matrix-dispersed patternings on single crystals affected by Rigidity, amorphism and crystallinity of brushes. <i>European Polymer Journal</i> , 2017 , 94, 446-459	5.2	6
49	Shape-memory materials and their clinical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 1-21	3	6
48	Polyanizidine and Polycaprolactone Nanofibers for Designing the Conductive Scaffolds. <i>Fibers and Polymers</i> , 2018 , 19, 2157-2168	2	6
47	pH-responsive nanosystems based on reduced graphene oxide grafted with polycaprolactone-block-poly(succinyloxyethylmethacrylate) for doxorubicin release. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 2031-2043	2	5
46	Engineered organic halide perovskite solar cells by incorporation of surface-manipulated graphenic nanosheets. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 9281-9288	2.1	5
45	Elevated air stability in PBDT-DTNT:PCBM solar cells by focusing on roles of fibrillar/patterned nanostructures via graphene/polymer constituents. <i>Solar Energy</i> , 2020 , 198, 101-112	6.8	5
44	Conductive poly(3-hexylthiophene) nanofibers and single crystals covered by coily dielectric oligomers and distinctions between their structures developed by self-seeding and isothermal approaches. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 381-398	2	5
43	Electrode buffer layers via networks of polythiophene/polyaniline bottlebrushes and carbon nanotubes in organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 21117-21125	2.1	5
42	Disperse-within-disperse patterning on ternary/binary mixed-brush single crystals using polyaniline, polystyrene and poly(methyl methacrylate) grafts. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	5

41	Development of nano-channel single crystals and verification of their structures by small angle X-ray scattering. <i>Polymer Bulletin</i> , 2017 , 74, 1103-1119	2.4	5
40	Core-shell super-structures via smart deposition of naphthothiadiazole and benzodithiophene-possessing polymer backbones onto carbon nanotubes and photovoltaic applications thereof. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 832-841	2.1	5
39	Nanostructures of chemically modified multi-walled carbon nanotubes and poly(3-hexylthiophene) to improve photophysical/photovoltaic features. <i>Carbon Letters</i> , 2021 , 31, 107-115	2.3	5
38	An in vitro focus on doxorubicin hydrochloride delivery of novel pH-responsive poly(2-succinyloxyethylmethacrylate) and poly[(N-4-vinylbenzyl),N,N-diethylamine] diblock copolymers. <i>Polymer International</i> , 2018 , 67, 283-291	3.3	5
37	Super-connected graphenic nanosheets via well-oriented bridges of naphthothiadiazole and benzodithiophene-containing donor-acceptors and photovoltaic applications thereof. <i>New Journal of Chemistry</i> , 2018 , 42, 20041-20048	3.6	5
36	Optical/thermal studies on nanostructures of poly(3-hexylthiophene) and carbon nanotube/graphene precursors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 572-581	1.8	4
35	Manipulation of PBDT-DTNT:PCBM photoactive layers for a stability increment by core-shell and core-hatle-shell supramolecules. <i>New Journal of Chemistry</i> , 2020 , 44, 4206-4216	3.6	4
34	Synthesis of polymer nano-brushes by self-seeding method and study of various morphologies by AFM. <i>International Nano Letters</i> , 2016 , 6, 11-19	5.7	4
33	Novel conjugated patterns of PBDT-DTNT and PBDT-TIPS-DTNT-DT complicated polymers onto graphenic nanosheets. <i>Polymer International</i> , 2019 , 68, 64-70	3.3	4
32	Pure and complex nanostructures using poly[bis(triisopropylsilylethynyl) benzodithiophene-bis(decyltetradecyl-thien) naphthobisthiadiazole], carbon nanotubes and reduced graphene oxide for high-performance polymer solar cells. <i>Polymer International</i> , 2019 , 68, 1688-1697	3.3	4
31	Bottlebrush compatibilizers with polythiophene backbones and dielectric/conductive side brushes in naphthothiadiazole solar systems. <i>Solar Energy</i> , 2019 , 194, 311-320	6.8	4
30	Nanocomposite membranes based on sodium alginate/poly(ϵ -caprolactone)/graphene oxide for methanol, ethanol and isopropanol dehydration via pervaporation. <i>Polymer Bulletin</i> , 2020 , 77, 3367-3387	2.4	4
29	Globular/semiglobular Poly(ethylene glycol) nanostructures enveloped between polythiophenes with/without side chains via Y-Shaped copolymers. <i>Polymer</i> , 2019 , 183, 121853	3.9	3
28	Settled/unsettled blend nanofibers electrospun from photoactive polymeric/nonpolymeric constituents in PBDT-DTNT:PCBM solar cells. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47591	2.9	3
27	Novel Branched Polyamide/Poly(acrylonitrile)/Graphene Oxide Membranes for Separation of Chlorinated Volatile Organic Compounds from Water via Pervaporation. <i>Macromolecular Research</i> , 2020 , 28, 797-804	1.9	3
26	Advanced Poly(ethylene glycol)/polythiophene globular nanostructures in P3HT:PCBM photovoltaics. <i>Organic Electronics</i> , 2020 , 81, 105676	3.5	3
25	Improved stability in P3HT:PCBM photovoltaics by incorporation of well-designed polythiophene/graphene compositions. <i>Polymer International</i> , 2020 , 69, 833-846	3.3	3
24	Star-Like Poly(N-isopropylacrylamide) and Poly(ethylene glycol) Copolymers Self-Arranged in Newfound Single Crystals and Associated Novel Class of Polymer Brush Regimes with V-Type Tethers. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700638	2.6	3

23	Chemical and physical effects of processing environment on simultaneous single crystallization of biodegradable poly(ϵ -caprolactone) and poly(L-lactide) brushes and poly(ethylene glycol) substrate. <i>European Polymer Journal</i> , 2018 , 103, 293-303	5.2	3
22	Core-Double Shell Nano-hybrids Designed by Multi-walled Carbon Nanotubes, Polyaniline and Polythiophenes in PBDT-DTNT:PC61BM Solar Cells. <i>Journal of Electronic Materials</i> , 2020 , 49, 435-443	1.9	3
21	Core-shell novel nanostructures for efficacy escalating in poly(3-hexylthiophene):phenyl-C71-butyric acid methyl ester photovoltaics. <i>Carbon Letters</i> , 2020 , 30, 45-54	2.3	3
20	Purposive Assembling of Poly(3-hexylthiophene) onto Chemically Treated Multi-Wall Carbon Nanotube versus Reduced Graphene Oxide. <i>Macromolecular Research</i> , 2018 , 26, 1200-1211	1.9	3
19	A focus on polystyrene tacticity in synthesized conductive PEDOT:PSS thin films. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	3
18	Double/single phase segregation and vertical stratification induced by crystallization in all-crystalline tri/diblock copolymers and homopolymer blends of poly(3-hexylthiophene) and poly(ethylene glycol). <i>Surface and Interface Analysis</i> , 2017 , 49, 630-639	1.5	2
17	A focus on the features of polyaniline nanofibres prepared via developing the single crystals of their block copolymers with poly(ethylene glycol). <i>Bulletin of Materials Science</i> , 2018 , 41, 1	1.7	2
16	Effect of miscibility on migration of third component in star-like co-continuous and disperse-within-disperse mixed brushes. <i>Polymer International</i> , 2018 , 67, 141-150	3.3	2
15	Networked Conductive Polythiophene/Polyaniline Bottlebrushes with Modified Carbon Nanotubes As Hole Transport Layer in Organic Photovoltaics. <i>Journal of Electronic Materials</i> , 2020 , 49, 937-948	1.9	2
14	A review on supramolecules/nanocomposites based on carbonic precursors and dielectric/conductive polymers and their applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 269, 115181	3.1	2
13	A focus on charge carrier recombination and energy conversion efficiency in nanohybrid photovoltaics. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 2233-2242	2	1
12	A delicate maneuver on conjugated rod-rod structures composed of poly(3-hexylthiophene) and polyaniline subtending patched-fibrillar, ringed-fibrillar, double-fibrillar and sandwiched configurations. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	1
11	Electroactive polythiophene/polystyrene bottlebrushes as morphology compatibilizers in photovoltaic systems. <i>Polymer International</i> , 2020 , 69, 397-403	3.3	1
10	Carbon/graphene quantum dot and conjugated polymer nanostructures impart unprecedented high efficiencies in routine P3HT:PCBM photovoltaics. <i>Solar Energy</i> , 2021 , 215, 77-91	6.8	1
9	Three-dimensional macro/mesoporosity developments in polydimethylsiloxane. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 847-854	3	0
8	Synthesis and characterization of electroactive bottlebrush nano-copolymers based on polystyrene and polyaniline as side chains and poly(3-(2-hydroxyethyl)thiophene) as backbone. <i>Polymer Bulletin</i> , 2020 , 77, 3707-3724	2.4	0
7	A comprehensive review on methods for promotion of mechanical features and biodegradation rate in amniotic membrane scaffolds.. <i>Journal of Materials Science: Materials in Medicine</i> , 2022 , 33, 32	4.5	0
6	Stability of Poly(3-Hexylthiophene):Phenyl-C71-Butyric Acid Methyl Ester Solar Cells Modified by Pre-designed Supramolecular Nanostructures. <i>Journal of Electronic Materials</i> , 2020 , 49, 5882-5894	1.9	

- 5 Polymer/quantum dot nanostructures in remarkably stabilized photovoltaics based on polymers having benzodithiophene/naphthothiadiazole constituents. *International Journal of Energy Research*, **2021**, 45, 13284-13297 4.5
- 4 An adequate avenue towards well-designed PBBDT-DTNT:PCBM active layers via quantum dot/conductive polymer configurations. *Journal of Industrial and Engineering Chemistry*, **2021**, 99, 431-442^{6.3}
- 3 Unraveling the Instability Issues in P3HT:PCBM Solar Cells by Graphene/Carbon Quantum Dots and Host Polymer Chain/Fiber Arrangements. *Journal of Electronic Materials*, **2021**, 50, 6545-6563 1.9
- 2 Stability ascent in perovskite solar cells employing star poly(3-hexylthiophene)/quantum dot nanostructures. *Organic Electronics*, **2022**, 106547 3.5
- 1 Organic/polymeric antibiofilm coatings for surface modification of medical devices. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 1-42 3