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Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials

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#	Paper	IF	Citations
501	Heavy duty piezoresistivity induced strain sensing natural rubber/carbon black nanocomposites reinforced with different carbon nanofillers. 2014 , 1, 035029		15
500	Temperature-resistivity characteristics of a segregated conductive CB/PP/UHMWPE composite. 2014 , 292, 2891-2898		25
499	Understanding dynamic percolation mechanisms in carbonaceous polymer nanocomposites through impedance spectroscopy: Experiments and modeling. 2014 , 116, 034103		9
498	Conductivity stability and its relationship with the filler network structure of elastomer composites with combined fibrous/layered nickel-coated fillers. 2014 , 4, 32482-32489		9
497	Role of block copolymer morphology on particle percolation of polymer nanocomposites. 2014 , 10, 8236-44		13
496	The resistivity-strain behavior of conductive polymer composites: stability and sensitivity. 2014 , 2, 17085-17098	132	
495	Conductive polymer nanocomposites with hierarchical multi-scale structures via self-assembly of carbon-nanotubes on graphene on polymer-microspheres. 2014 , 6, 7877-88		59
494	Conductive polymer composites with segregated structures. <i>Progress in Polymer Science</i> , 2014 , 39, 1908-1933	470	
493	Electro-synthesis and Characterization of Polymer Nanostructures from Terthiophene Using Silica Mesoporous Films as Template. 2014 , 82, 146-151		9
492	Preparation of conductive polyphenylene sulfide/polyamide 6/multiwalled carbon nanotube composites using the slow migration rate of multiwalled carbon nanotubes from polyphenylene sulfide to polyamide 6. 2015 , 132, n/a-n/a		11
491	Rheology of Carbon Nanoparticle Suspensions and Nanocomposites. 2015 , 59-75		2
490	An overview of feasibilities and challenge of conductive cellulose for rechargeable lithium based battery. 2015 , 50, 204-213		36
489	Targeted kinetic strategy for improving the thermal conductivity of epoxy composite containing percolating multi-layer graphene oxide chains. 2015 , 9, 608-623		12
488	Ultrasound-assisted-pressure-induced-flow leading to superior polymer/carbon nanotube composites and foams. 2015 , 80, 237-244		21
487	Composites of hybrids BaTiO ₃ /carbon nanotubes/polyvinylidene fluoride with high dielectric properties. 2015 , 48, 455303		15
486	Mechanical vs. electrical hysteresis of carbon nanotube/styrene-butadiene-styrene composites and their influence in the electromechanical response. 2015 , 109, 1-5		51
485	Building and testing a simple setup to investigate the electrical properties of polymer/carbon black composites. 2015 , 129, 55-59		7

484	3D-stacked carbon composites employing networked electrical intra-pathways for direct-printable, extremely stretchable conductors. 2015 , 7, 4109-17	17
483	Facile identification of the critical content of multi-layer graphene oxide for epoxy composite with optimal thermal properties. 2015 , 5, 20376-20385	10
482	Effect of butadiene/styrene ratio, block structure and carbon nanotube content on the mechanical and electrical properties of thermoplastic elastomers after UV ageing. 2015 , 42, 225-233	33
481	Molecular dynamics simulation of the conductivity mechanism of nanorod filled polymer nanocomposites. 2015 , 17, 22959-68	22
480	Variation in electrical conductivity of conductive polymer composites under shock wave. 2015 , 91, 26-34	4
479	Effect of the degree of crystallinity on the electrical properties of MWCNT filled poly (ethylene-co-ethyl acrylate)/LDPE blend composites prepared by melt mixing. 2015 , 117, 351-356	7
478	Electro-mechanical sensors based on conductive hybrid nanocomposites. 2015 , 26, 889-897	5
477	Electromagnetic shielding response of UV-induced polypyrrole/silver coated wool. 2015 , 16, 585-592	48
476	Largely reinforced polyurethane via simultaneous incorporation of poly(lactic acid) and multiwalled carbon nanotubes. 2015 , 5, 30912-30919	7
475	Polymer/Graphite Nanocomposites: Physical Features, Fabrication and Current Relevance. 2015 , 54, 750-770	40
474	Highly sensitive piezo-resistive graphite nanoplatelet-carbon nanotube hybrids/polydimethylsilicone composites with improved conductive network construction. 2015 , 7, 9652-9	118
473	Effect of γ irradiation on the microstructure and self-heating property of carbon fiber/polyethylene composite films. 2015 , 78, 174-180	11
472	Dielectric, mechanical and electro-stimulus response properties studies of polyurethane dielectric elastomer modified by carbon nanotube-graphene nanosheet hybrid fillers. 2015 , 47, 4-11	43
471	In situ iodoalkane-reduction of graphene oxide in a polymer matrix: an easy and effective approach for the fabrication of conductive composites. 2015 , 3, 11531-11539	10
470	Poly lactide composite foams containing carbon nanotubes and carbon black: Synergistic effect of filler on electrical conductivity. 2015 , 95, 380-387	88
469	Bifunctional Polymer Nanocomposites as Hole-Transport Layers for Efficient Light Harvesting: Application to Perovskite Solar Cells. 2015 , 7, 27676-84	35
468	Copper Phthalocyanine Oligomer Noncovalent Functionalized Graphene-Polyurethane Dielectric Elastomer Composites for Flexible Micro-Actuator. 2015 , 13, 210-218	17
467	Temperature sensing of conductive shape memory polymer composites. 2015 , 140, 71-74	22

466	A critical review on cellulose: From fundamental to an approach on sensor technology. 2015 , 41, 402-412	173
465	Electroconductive Composites from Polystyrene Block Copolymers and Cu-Alumina Filler. 2016 , 9,	2
464	The Effects of Cryomilling CNTs on the Thermal and Electrical Properties of CNT/PMMA Composites. 2016 , 8,	15
463	Electro-Mechanical Properties of Multilayer Graphene-Based Polymeric Composite Obtained through a Capillary Rise Method. 2016 , 16,	8
462	Length-dependent broadband electric properties of PMMA composites filled with carbon nanotubes. 2016 , 213, 1025-1033	6
461	Significantly enhanced electrical conductivity of silver nanowire/polyurethane composites via graphene oxide as novel dispersant. 2016 , 132, 57-67	20
460	Strain sensing conductive polymer composites: Sensitivity and stability. 2016 ,	3
459	Recent Progress on Ferroelectric Polymer-Based Nanocomposites for High Energy Density Capacitors: Synthesis, Dielectric Properties, and Future Aspects. 2016 , 116, 4260-317	909
458	Strong increase of the dielectric response of carbon nanotube/poly(vinylidene fluoride) composites induced by carbon nanotube type and pre-treatment. 2016 , 93, 310-316	27
457	Largely enhanced thermal and electrical conductivity via constructing double percolated filler network in polypropylene/expanded graphite [Multi-wall carbon nanotubes ternary composites. 2016 , 130, 28-35	62
456	Improving the electrical and electromagnetic shielding properties of conductive silicon rubber filled with Ni-coated carbon fibre by magnetic field. 2016 , 45, 224-228	8
455	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. 2016 , 6, 24843-24852	10
454	Positive Temperature Coefficient Effect of Polymer Nanocomposites. 2016 , 83-110	1
453	Effect of the eutectic Sn-Cu alloy-to-Cu content ratio on the structure and properties of conductive polyamide-66 composites. 2016 , 133, 200-207	4
452	Controlling the conductive network formation of polymer nanocomposites filled with nanorods through the electric field. 2016 , 101, 395-405	10
451	Development of electrically conductive-superoleophobic micropillars for reducing surface adhesion of oil at low temperatures. 2016 , 389, 623-631	5
450	Construction of conductive percolation network with high efficiency in composite film via a novel sparsely partial wrapping strategy. 2016 , 136, 39-45	5
449	Effects of electrically inert fillers on the properties of poly(m-xylylene adipamide)/multiwalled carbon nanotube composites. 2016 , 34, 1032-1038	9

448	Thermal and electrical properties of poly(phenylene sulfide)/carbon nanotube nanocomposite films with a segregated structure. 2016 , 91, 77-84	15
447	A facile approach for preparation of polystyrene/graphene nanocomposites with ultra-low percolation threshold through an electrostatic assembly process. 2016 , 134, 49-56	53
446	Crystallization induced enhancement on electrical conductivity and strength of highly conductive PP composites. 2016 , 23, 1	5
445	Preparation of AlN microspheres/UHMWPE composites for insulating thermal conductors. 2016 , 6, 80262-80267	3
444	Use of electrospinning to construct biomaterials for peripheral nerve regeneration. 2016 , 27, 761-768	14
443	Control of the Crystalline Morphology of Poly(l-lactide) by Addition of High-Melting-Point Poly(l-lactide) and Its Effect on the Distribution of Multiwalled Carbon Nanotubes. 2016 , 120, 7423-37	37
442	Review and analysis of failure detection methods of composites materials systems. 2016 ,	1
441	Straight and Rod-like Core-Shell Crystals of Solution-Crystallized Poly(ϵ -caprolactone)/Multiwalled Carbon Nanotube Nanocomposites. 2016 , 16, 6817-6827	11
440	Conductivity and phase morphology of carbon black-filled immiscible polymer blends under creep: an experimental and theoretical study. 2016 , 18, 32125-32131	18
439	Influences of graphene nanoplatelet aspect ratio and thermal treatment on dielectric performances of poly(methyl methacrylate) composites. 2016 , 1, 146-150	4
438	Largely enhanced electrical properties of polymer composites via the combined effect of volume exclusion and synergy. 2016 , 6, 51900-51907	8
437	Low cost and highly conductive elastic composites for flexible and printable electronics. 2016 , 4, 5839-5848	50
436	Recent advances in degradable lactide-based shape-memory polymers. 2016 , 107, 136-152	68
435	Controlling dielectrical properties of polymer blends through defined PEDOT nanostructures. 2016 , 6, 62024-62030	4
434	Preparation and characterization of novel optically active poly(amide-imide)/Fe ₂ O ₃ nanocomposites containing l-alanine moieties. 2016 , 37, 1805-1811	
433	Self-stabilized polyaniline@graphene aqueous colloids for the construction of assembled conductive network in rubber matrix and its chemical sensing application. 2016 , 125, 1-8	39
432	Effect of multi-walled carbon nanotubes on the morphology evolution, conductivity and rheological behaviors of poly(methyl methacrylate)/poly(styrene-co-acrylonitrile) blends during isothermal annealing. 2016 , 6, 10099-10113	17
431	Conductive polyolefin/rubber nanocomposites with carbon nanotubes. 2016 , 80, 13-20	24

430	Materials and Deposition Processes for Multifunctionality. 2016 , 19-51	5
429	Destruction and recovery of a nanorod conductive network in polymer nanocomposites via molecular dynamics simulation. 2016 , 12, 3074-83	10
428	Enhancing the electrical conductivity of carbon black-filled immiscible polymer blends by tuning the morphology. 2016 , 78, 106-115	68
427	A facile assembly of polyimide/graphene core-shell structured nanocomposites with both high electrical and thermal conductivities. 2016 , 84, 472-481	49
426	A facile and scalable approach to fabricating free-standing polymer-carbon nanotube composite electrodes. 2016 , 215, 35-40	16
425	Structure-property relationship of new polyimide-organically modified silicate-phosphotungstic acid hybrid material system. 2016 , 51, 4815-4824	7
424	Structuring tri-continuous structure multiphase composites with ultralow conductive percolation threshold and excellent electromagnetic shielding effectiveness using simple melt mixing. 2016 , 83, 34-39	46
423	Novel multiwalled carbon nanotube grafted with polyethylene glycol-block-polystyrene nanohybrids: ATRP synthesis and detection of benzene vapor. 2016 , 51, 1363-1375	5
422	In-chain functionalized polymer induced assembly of nanoparticles: toward materials with tailored properties. 2016 , 12, 1964-8	15
421	Ultrastrong, Chemically Resistant Reduced Graphene Oxide-based Multilayer Thin Films with Damage Detection Capability. 2016 , 8, 6229-35	15
420	An electrical-heating and self-sensing shape memory polymer composite incorporated with carbon fiber felt. 2016 , 25, 035036	27
419	Distinct positive temperature coefficient effect of polymer-carbon fiber composites evaluated in terms of polymer absorption on fiber surface. 2016 , 18, 8081-7	16
418	Shape memory-based tunable resistivity of polymer composites. 2016 , 363, 59-65	16
417	Durable Microstructured Surfaces: Combining Electrical Conductivity with Superoleophobicity. 2016 , 8, 1795-804	15
416	Molecular imprinting method for fabricating novel glucose sensor: polyvinyl acetate electrode reinforced by MnO ₂ /CuO loaded on graphene oxide nanoparticles. 2016 , 194, 61-7	104
415	A Review of the Recent Advances in Cyclic Butylene Terephthalate Technology and its Composites. 2017 , 42, 173-217	17
414	Effects of glass fiber on the properties of polyoxymethylene/thermoplastic polyurethane/multiwalled carbon nanotube composites. 2017 , 38, 1319-1326	4
413	Segregated conductive network of MWCNT in PA12/PA6 composites: Electrical and rheological behavior. 2017 , 38, 2679-2686	9

412	Remarkable Conductive Anisotropy of Metallic Microcoil/PDMS Composites Made by Electric Field Induced Alignment. 2017 , 9, 1593-1601	45
411	Ultralow Percolation Threshold in Poly(l-lactide)/Poly(ϵ -caprolactone)/Multiwall Carbon Nanotubes Composites with a Segregated Electrically Conductive Network. 2017 , 121, 3087-3098	72
410	Segregated network formation of multiwalled carbon nanotubes in natural rubber through surfactant assisted latex compounding: A novel technique for multifunctional properties. 2017 , 112, 264-277	41
409	An Ionic Liquid as Interface Linker for Tuning Piezoresistive Sensitivity and Toughness in Poly(vinylidene fluoride)/Carbon Nanotube Composites. 2017 , 9, 5437-5446	40
408	Achieving a low electrical percolation threshold and superior mechanical performance in poly(L-lactide)/thermoplastic polyurethane/carbon nanotubes composites via tailoring phase morphology with the aid of stereocomplex crystallites. 2017 , 7, 11076-11084	15
407	Multifunctional polymer composites reinforced by carbon nanotubes/Alumina hybrids with urchin-like structure. 2017 , 11, 94-102	14
406	A novel route towards tunable piezoresistive behavior in conductive polymer composites: Addition of insulating filler with different size and surface characteristics. 2017 , 96, 99-109	26
405	Design and Preparation of a Unique Segregated Double Network with Excellent Thermal Conductive Property. 2017 , 9, 7637-7647	115
404	Enhanced dielectric properties of polyimide/BaTiO ₃ nanocomposite by embedding the polypyrrole@polyimide core-shell nanoparticles. 2017 , 25, 290-296	6
403	Crystallization kinetics and morphology of biodegradable Poly(ϵ -caprolactone) with chain-like distribution of ferroferric oxide nanoparticles: Toward mechanical enhancements. 2017 , 117, 84-95	11
402	Poly(phenylmethylsiloxane) functionalized multiwalled carbon nanotube/poly(dimethylsiloxane) nanocomposites with high piezoresistivity, low modulus and high conductivity. 2017 , 28, 6897-6906	2
401	Improved electrical conductivity of TPU/carbon black composites by addition of COPA and selective localization of carbon black at the interface of sea-island structured polymer blends. 2017 , 13, 3431-3439	32
400	TiO ₂ hybrid polypropylene/nickel coated glass fiber conductive composites for highly efficient electromagnetic interference shielding. 2017 , 28, 5725-5732	8
399	Enhanced electrical conductivity and piezoresistive sensing in multi-wall carbon nanotubes/polydimethylsiloxane nanocomposites via the construction of a self-segregated structure. 2017 , 9, 11017-11026	151
398	Chitosan/gelatin porous scaffolds assembled with conductive poly(3,4-ethylenedioxythiophene) nanoparticles for neural tissue engineering. 2017 , 5, 4774-4788	81
397	Improved electrical conductivity of PDMS/SCF composite sheets with bolting cloth prepared by a spatial confining forced network assembly method. 2017 , 7, 14761-14768	25
396	Polymer Composite with Improved Thermal Conductivity by Constructing a Hierarchically Ordered Three-Dimensional Interconnected Network of BN. 2017 , 9, 13544-13553	278
395	A representative and comprehensive review of the electrical and thermal properties of polymer composites with carbon nanotube and other nanoparticle fillers. 2017 , 66, 1237-1251	31

394	Tailoring the alignment of string-like nanoparticle assemblies in a functionalized polymer matrix via steady shear. 2017 , 7, 8898-8907	3
393	Development of water-based printable piezoresistive sensors for large strain applications. 2017 , 112, 344-352	55
392	New approach to morphological control for polypropylene/polyethylene blends via magnetic self-organization. 2017 , 117, 24-36	20
391	Superhydrophobic Rubber-Modified Polybenzoxazine/SiO ₂ Nanocomposite Coating with Anticorrosion, Anti-Ice, and Superoleophilicity Properties. 2017 , 56, 1485-1497	86
390	Influence of Thermal Treatments on the Evolution of Conductive Paths in Carbon Nanotube-AlO Hybrid Reinforced Epoxy Composites. 2017 , 33, 9680-9686	11
389	Preparation of highly conductive composites with segregated structure based on polyamide-6 and reduced graphene oxide. 2017 , 190, 71-74	21
388	Conductive network formation and destruction in polypropylene/carbon nanotube composites via crystal control using supercritical carbon dioxide. 2017 , 129, 179-188	39
387	Role of the particle size polydispersity in the electrical conductivity of carbon nanotube-epoxy composites. 2017 , 7, 12553	17
386	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. 2017 , 38, 1700444	13
385	Comparison between the efficiencies of two conductive networks formed in carbon black-filled ternary polymer blends by different hierarchical structures. 2017 , 63, 141-149	16
384	Universal Control on Pyroresistive Behavior of Flexible Self-Regulating Heating Devices. 2017 , 27, 1702253	23
383	Recent Advances in Conductive Composites Based on Biodegradable Polymers for Regenerative Medicine Applications. 2017 , 519-542	
382	Electrical, Elastic, and Piezoresistive Properties of Nanocomposites of Poly(dimethylsiloxane) and Poly(phenylmethylsiloxane)-Functionalized Graphene Nanoplatelets. 2017 , 46, 5737-5745	4
381	Improved thermal conductivity of ceramic filler-filled polyamide composites by using PA6/PA66 1:1 blend as matrix. 2017 , 134, 45371	8
380	Spatial Confining Forced Network Assembly for preparation of high-performance conductive polymeric composites. 2017 , 102, 88-95	48
379	Nanopolydopamine coupled fluorescent nanozinc oxide reinforced epoxy nanocomposites. 2017 , 102, 126-136	69
378	Thermal and dielectric characterization of multi-walled carbon nanotubes/thermoplastic polyurethanes composites. 2017 , 59, 543-553	
377	Patternable Solvent-Processed Thermoplastic Graphite Electrodes. 2017 , 139, 12623-12631	42

376	Ultralow percolation threshold and enhanced electromagnetic interference shielding in poly(L-lactide)/multi-walled carbon nanotube nanocomposites with electrically conductive segregated networks. 2017 , 5, 9359-9369	276
375	Performances Enhancement in Perovskite Solar Cells by Incorporating Plasmonic Au NRs@SiO ₂ at Absorber/HTL Interface. 2017 , 1, 1700151	17
374	High-performance graphene-based carbon nanofiller/polymer composites for piezoresistive sensor applications. 2017 , 153, 241-252	66
373	Enhanced electrical properties of graphite/ABS composites prepared via supercritical CO ₂ processing. 2017 , 74, 4279-4295	4
372	Enhancement of the performance of cadmium sulfide quantum dot solar cells using a platinum/polyaniline counter electrode and a silver nanoparticle-sensitized photoanode. 2017 , 11, 036001	1
371	A sensing approach for dopamine determination by boronic acid-functionalized molecularly imprinted graphene quantum dots composite. 2017 , 423, 810-816	40
370	Ultra-broadband frequency responsive sensor based on lightweight and flexible carbon nanostructured polymeric nanocomposites. 2017 , 121, 490-501	38
369	Hyaluronic acid doped-poly(3,4-ethylenedioxythiophene)/chitosan/gelatin (PEDOT-HA/Cs/Gel) porous conductive scaffold for nerve regeneration. 2017 , 71, 308-316	73
368	Conducting Polymer Nanocomposites: Recent Developments and Future Prospects. 2017 , 1-44	8
367	Electroactive nanostructured scaffold produced by controlled deposition of PPy on electrospun PCL fibres. 2017 , 43, 1235-1251	28
366	Influence of thermoplastic spacer on the mechanical, electrical, and thermal properties of carbon black filled epoxy adhesives. 2017 , 28, 345-352	9
365	Differences in crystal growth behaviors of boehmite particles with octanoic acid and sodium octanoate under supercritical hydrothermal conditions. 2017 , 119, 81-87	6
364	7 Graphene/Polymer Composite Materials: Processing, Properties and Applications. 2017 , 349-419	14
363	Influences of Thermal Treatment on the Dielectric Performances of Polystyrene Composites Reinforced by Graphene Nanoplatelets. 2017 , 10,	8
362	Development of AlN/Epoxy Composites with Enhanced Thermal Conductivity. 2017 , 10,	11
361	Tunable Electrical Conductivity of Carbon-Black-Filled Ternary Polymer Blends by Constructing a Hierarchical Structure. 2017 , 9,	22
360	Short Oxygen Plasma Treatment Leading to Long-Term Hydrophilicity of Conductive PCL-PPy Nanofiber Scaffolds. 2017 , 9,	17
359	A Polymer-Alloy Binder for Structures-Properties Control of Battery Electrodes. 2018 , 14, 149-158	18

358	A super-hydrophobic and electrically conductive nanofibrous membrane for a chemical vapor sensor. 2018 , 6, 10036-10047	25
357	Ionic liquid: A smart approach for developing conducting polymer composites: A review. 2018 , 262, 8-18	38
356	A review on thermally conductive polymeric composites: classification, measurement, model and equations, mechanism and fabrication methods. 2018 , 1, 207-230	192
355	Constructing a filler network for thermal conductivity enhancement in epoxy composites via reaction-induced phase separation. 2018 , 110, 62-69	34
354	Effect of grafted graphene nanosheets on morphology evolution and conductive behavior of poly(methyl methacrylate)/poly(styrene-acrylonitrile) blends during isothermal annealing.. 2018 , 8, 14579-14588	6
353	Positive temperature coefficient effect and mechanism of compatible LLDPE/HDPE composites doping conductive graphite powders. 2018 , 135, 46453	10
352	Network density tailored standalone-flexible fluorocarbon elastomer/nanocarbon black chemiresistors for 2-propanone field detection. 2018 , 265, 193-203	3
351	Recent progress on thermal conductive and electrical insulating polymer composites. 2018 , 8, 74-82	81
350	Tailored pyroresistive performance and flexibility by introducing a secondary thermoplastic elastomeric phase into graphene nanoplatelet (GNP) filled polymer composites for self-regulating heating devices. 2018 , 6, 2760-2768	21
349	Fabrication, proposed model and simulation predictions on thermally conductive hybrid cyanate ester composites with boron nitride fillers. 2018 , 107, 570-578	85
348	Significantly enhanced and precisely modeled thermal conductivity in polyimide nanocomposites with chemically modified graphene via in situ polymerization and electrospinning-hot press technology. 2018 , 6, 3004-3015	300
347	Conductive polymer composites with carbonic fillers: Shear induced electrical behaviour. 2018 , 139, 52-59	7
346	Production of Value-Added Composites from Aluminum Plastic Package Waste via Solid-State Shear Milling Process. 2018 , 6, 4282-4293	21
345	Piezoresistive response of extruded polyaniline/(styrene-butadiene-styrene) polymer blends for force and deformation sensors. 2018 , 141, 1-8	39
344	Graphene oxide-assisted dispersion of multi-walled carbon nanotubes in biodegradable Poly(L-lactide) for mechanical and electrically conductive enhancement. 2018 , 65, 387-397	30
343	Scavenging phenomenon and improved electrical and mechanical properties of polyaniline/divinylbenzene composite in presence of MWCNT. 2018 , 14, 697-708	10
342	Facile fabrication of highly conductive polystyrene/nanocarbon composites with robust interconnected network via electrostatic attraction strategy. 2018 , 6, 550-557	22
341	Water based scintillator ink for printed X-ray radiation detectors. 2018 , 69, 26-31	3

340	Low magnetic field-induced alignment of nickel particles in segregated poly(l-lactide)/poly(ε-caprolactone)/multi-walled carbon nanotube nanocomposites: Towards remarkable and tunable conductive anisotropy. 2018 , 347, 472-482	51
339	Electrolyte and current density determines the fate of electrodeposited polythiophene from waveguide to photovoltaics. 2018 , 183, 107-119	1
338	Hybrid Carbon Nanoparticles in Polymer Matrix for Efficient Connected Networks: Self-Assembly and Continuous Pathways. 2018 , 51, 3547-3562	14
337	Segregated polypropylene/cross-linked poly(ethylene-co-1-octene)/multi-walled carbon nanotube nanocomposites with low percolation threshold and dominated negative temperature coefficient effect: Towards electromagnetic interference shielding and thermistors. 2018 , 159, 152-161	67
336	Reversible switching of PEDOT:PSS conductivity in the dielectric-conductive range through the redistribution of light-governing polymers.. 2018 , 8, 11198-11206	8
335	Tune the phase morphology to design conductive polymer composites: A review. 2018 , 39, 2985-2996	32
334	Enhanced dielectric properties through using mixed fillers consisting of nano-barium titanate/nickel hydroxide for polyvinylidene fluoride based composites. 2018 , 104, 24-31	24
333	Highly efficient electrically conductive networks in carbon-black-filled ternary blends through the formation of thermodynamically induced self-assembled hierarchical structures. 2018 , 135, 45877	8
332	Enhanced dielectric properties of poly(vinylidene fluoride) composite filled with polyaniline-iron core-shell nanocomposites. 2018 , 210, 165-168	24
331	A simple model for electrical conductivity of polymer carbon nanotubes nanocomposites assuming the filler properties, interphase dimension, network level, interfacial tension and tunneling distance. 2018 , 155, 252-260	58
330	Improved dispersion of carbon nanotubes in poly(vinylidene fluoride) composites by hybrids with core-shell structure. 2018 , 135, 45693	3
329	Improved electrical heating properties for polymer nanocomposites by electron beam irradiation. 2018 , 75, 2847-2863	6
328	Effect of phase transitions on the electrical properties of polymer/carbon nanotube and polymer/graphene nanoplatelet composites with different conductive network structures. 2018 , 67, 227-235	25
327	Highly stretchable conductive thermoplastic vulcanizate/carbon nanotube nanocomposites with segregated structure, low percolation threshold and improved cyclic electromechanical performance. 2018 , 6, 350-359	39
326	Ultralow-Threshold and Lightweight Biodegradable Porous PLA/MWCNT with Segregated Conductive Networks for High-Performance Thermal Insulation and Electromagnetic Interference Shielding Applications. 2018 , 10, 1195-1203	171
325	Effect of phase coarsening under melt annealing on the electrical performance of polymer composites with a double percolation structure. 2017 , 20, 137-147	13
324	Sensitivity, influence of the strain rate and reversibility of GNPs based multiscale composite materials for high sensitive strain sensors. 2018 , 155, 100-107	24
323	Enhanced mechanical, conductivity, and dielectric characteristics of ethylene vinyl acetate copolymer composite filled with carbon nanotubes. 2018 , 31, 1161-1180	17

322	Constructing a double-percolated conductive network in a carbon nanotube/polymer-based flexible semiconducting composite. 2018 , 154, 45-52	20
321	Hot-melt adhesives based on co-polyamide and multiwalled carbon nanotubes. 2018 , 135, 45999	5
320	Electrically conductive polymer composites for smart flexible strain sensors: a critical review. 2018 , 6, 12121-12141	359
319	Electro-capacitive performance of haemoglobin/polypyrrole composites for high power density electrode. 2018 , 9,	2
318	Damage self-sensing behavior of carbon nanofiller reinforced polymer composites with different conductive network structures. 2018 , 158, 308-319	23
317	Prospects of Natural Polymeric Scaffolds in Peripheral Nerve Tissue-Regeneration. 2018 , 1077, 501-525	11
316	Enhanced thermal conductivity and electrical insulation properties of polymer composites via constructing Pglass/CNTs confined hybrid fillers. 2018 , 115, 1-7	30
315	On the use of surfactants for improving nanofiller dispersion and piezoresistive response in stretchable polymer composites. 2018 , 6, 10580-10588	18
314	Design and fabrication of electro-conductive polymer nanocomposites with mechanical and thermal resistance. 2018 , 67, 1203-1211	2
313	Conductive Hydrogels as Smart Materials for Flexible Electronic Devices. 2018 , 24, 16930-16943	123
312	Self-healing, recoverable epoxy elastomers and their composites with desirable thermal conductivities by incorporating BN fillers via in-situ polymerization. 2018 , 164, 59-64	207
311	Polymer Nanocomposite-Based Strain Sensors with Tailored Processability and Improved Device Integration. 2018 , 1, 3015-3025	23
310	Effect of adding carbon fiber on conductive stability of acrylonitrile-butadiene rubber composites. 2018 , 135, 46668	6
309	Low magnetic field-induced morphological regulation in isotactic polypropylene/poly(ϵ -caprolactone)/carbon black composites for high electrical conductivity and conductive anisotropy. 2018 , 9, 58-62	11
308	Actuation behavior of PDMS dielectric elastomer composites containing optimized graphene oxide. 2018 , 27, 085021	37
307	Polymer-based nanocomposites for significantly enhanced dielectric properties and energy storage capability. 2018 , 131-183	
306	Conductive HNTs-PEDOT hybrid preparation and its application in enhancing the dielectric permittivity of HNTs-PEDOT/PVDF composites. 2018 , 458, 924-930	6
305	Enhanced piezo-response in copper halide perovskites based PVDF composite films. 2018 , 63, 1254-1259	20

304	Ultra-stretchable, sensitive and durable strain sensors based on polydopamine encapsulated carbon nanotubes/elastic bands. 2018 , 6, 8160-8170	91
303	Effects of the total content of eutectic Sn-Cu alloy and Cu particles used as conductive filler on the structure and properties of polyamide-66 composites. 2018 , 25, 1	0
302	Three-dimensional graphene-based polymer nanocomposites: preparation, properties and applications. 2018 , 10, 14788-14811	128
301	Ultra-low percolation threshold in epoxy resin/nion-like carbon composites. 2018 , 113, 033105	7
300	Ultralight Microcellular Polymer-Graphene Nanoplatelet Foams with Enhanced Dielectric Performance. 2018 , 10, 19987-19998	61
299	Highly sensitive and stretchable graphene-silicone rubber composites for strain sensing. 2018 , 167, 371-378	111
298	Synergistic Effect of Graphite and Carbon Nanotubes on Improved Electromagnetic Interference Shielding Performance in Segregated Composites. 2018 , 57, 11929-11938	50
297	Attenuated Glial Reactivity on Topographically Functionalized Poly(3,4-Ethylenedioxythiophene):P-Toluene Sulfonate (PEDOT:PTS) Neuroelectrodes Fabricated by Microimprint Lithography. 2018 , 14, e1800863	18
296	Synthesis and characterization of a conductive and self-healing composite. 2018 , 243, 58-66	9
295	A mathematical model for predicting conductivity of polymer composites with a forced assembly network obtained by SCFNA method. 2019 , 40, 1819-1827	17
294	Injection-Compression-Compression Process for Preparation of High-Performance Conductive Polymeric Composites. 2019 , 26, 1139-1150	4
293	A facile route to fabricate thermally conductive and electrically insulating polymer composites with 3D interconnected graphene at an ultralow filler loading. 2019 , 11, 15234-15244	20
292	Investigation of conductive hybrid polymer composites reinforced with copper micro fibers and carbon nanotubes produced by injection molding. 2019 , 20, 100566	4
291	Recent trends in peripheral nervous regeneration using 3D biomaterials. 2019 , 59, 70-81	9
290	Cationic Polyelectrolyte Bridged Boron Nitride Microplatelet Based Poly(vinyl alcohol) Composite: A Novel Method toward High Thermal Conductivity. 2019 , 6, 1900787	16
289	Free volume correlation with electrical conductivity of polycarbonate/reduced graphene oxide nanocomposites studied by positron annihilation lifetime spectroscopy. 2019 , 136, 48207	2
288	Controlled self-assembly synthesis of CuCo ₂ O ₄ /rGO for improving the morphology-dependent electrochemical oxygen evolution performance. 2019 , 493, 710-718	12
287	Effects of polymer-filler interactions on controlling the conductive network formation in polyamide 6/multi-Walled carbon nanotube composites. 2019 , 178, 121684	23

286	Fabrication of PLA/CNC/CNT conductive composites for high electromagnetic interference shielding based on Pickering emulsions method. 2019 , 125, 105558	40
285	Molecular dynamics simulation of the electrical conductive network formation of polymer nanocomposites by utilizing diblock copolymer-mediated nanoparticles. 2019 , 15, 6331-6339	4
284	Morphology and electrical properties of polypropylene/polyamide 6/glass fiber composites with low carbon black loading. 2019 , 39, 813-821	3
283	Adjusting Distribution of Multiwall Carbon Nanotubes in Poly(L-lactide)/Poly(oxymethylene) Blends via Constructing Stereocomplex Crystallites: Toward Conductive and Microwave Shielding Enhancement. 2019 , 123, 27884-27895	14
282	The electrical conductive behaviours of polymer-based three-phase composites prepared by spatial confining forced network assembly. 2019 , 13, 713-723	8
281	An overview of stretchable strain sensors from conductive polymer nanocomposites. 2019 , 7, 11710-11730	199
280	Dielectric Properties of Epoxy-Matrix Composites with Tungsten Disulfide Nanotubes. 2019 , 2019, 1-8	
279	Conductive nylon-MXD6 composites prepared by melt compounding associated with formation of carbon black-covered PET domains serving as big conductive particles. 2019 , 182, 121809	3
278	Affordable Polymer/Carbon Composite Electrodes for Electroosmotic Dehydration and Electro-Fenton Processes. 2019 , 58, 19917-19925	3
277	Few-layer boron nitride nanosheets exfoliated with assistance of fluoro hyperbranched copolymer for poly(vinylidene fluoride-trifluoroethylene) nanocomposite film capacitor. 2019 , 580, 123735	5
276	Haemoglobin/polyindole composites: the novel material for electrochemical supercapacitors. 2019 , 42, 1	4
275	Strain-sensitive electrical conductivity of carbon nanotube-graphene-filled rubber composites under cyclic loading. 2019 , 11, 578-586	64
274	Selectively localized nanosilica particles at the phase interface of PS/PA6/nanosilica composites with co-continuous structure via reactive extrusion. 2019 , 172, 125-133	13
273	Morphology and Mechanical Properties of Polyamide 6/Acrylonitrile-Butadiene-Styrene Blends Containing Carbon Nanotubes. 2019 , 58, 355-370	5
272	Conductive Polymer Composites from Renewable Resources: An Overview of Preparation, Properties, and Applications. 2019 , 11,	57
271	Study of chromatographic fractions from carbon dots isolated by column chromatography and a binary gradient elution via RP-HPLC. 2019 , 11, 760-766	11
270	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. 2019 , 11, 21904-21914	162
269	Conductivity of poly(methyl methacrylate) composite films filled with ultra-high aspect ratio carbon fibers. 2019 , 181, 107690	8

268	Piezoresistive performance of polymer-based materials as a function of the matrix and nanofiller content to walking detection application. 2019 , 181, 107678	24
267	Self-Healing Polycarbonate-Based Polyurethane with Shape Memory Behavior. 2019 , 27, 649-656	2
266	Selective localization of multi-walled carbon nanotubes in epoxy/polyetherimide system and properties of the conductive composites. 2019 , 136, 47911	8
265	Graphene-based composite for dielectric elastomer actuator: A comprehensive review. 2019 , 293, 222-241	47
264	Sensitive conductive polymer nanocomposites from multiwalled carbon nanotube coated with polypyrrole and hydroxyl-terminated poly(butadiene-co-acrylonitrile) polyurethane for detection of chloroform vapor. 2019 , 173, 106894	4
263	Carbon nanofiller networks- a comparative study of networks formed by branched versus linear carbon nanotubes in thermoplastic polyurethane. 2019 , 175, 227-234	18
262	Universal and anisotropic simulation platform for the study of electrical properties of conductive polymer composites. 2019 ,	
261	Effects of branched carbon nanotubes and graphene nanoplatelets on dielectric properties of thermoplastic polyurethane at different temperatures. 2019 , 166, 673-680	31
260	Effect of carbon nanotube morphology on properties in thermoplastic elastomer composites for strain sensors. 2019 , 121, 207-212	48
259	Enhanced dielectric performance and energy storage of PVDF-HFP-based composites induced by surface charged Al ₂ O ₃ . 2019 , 57, 574-583	21
258	A Photoaddressable Liquid Crystalline Phase Transition in Graphene Oxide Nanocomposites. 2019 , 29, 1900738	1
257	Mechanism of Reactive Compatibilization of PLLA/PVDF Blends Investigated by Scanning Transmission Electron Microscopy with Energy-Dispersive X-ray Spectrometry and Electron Energy Loss Spectroscopy. 2019 , 1, 815-824	11
256	Enhancement of thermal conductivity and tensile strength of liquid silicone rubber by three-dimensional alumina network. 2019 , 17, 297-307	6
255	Asymmetric deformation in poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites with glass micro-beads for highly piezoresistive sensitivity. 2019 , 370, 176-184	22
254	High Energy Density in Poly(Vinylidene Fluoride-Chlorotrifluoroethylene) Nanocomposite with Oriented Graphene Exfoliated with Assistance of Fluoro Hyperbranched Copolymer. 2019 , 7, 1900023	0
253	Gentle crosslinking to enhance interfacial interaction in thermoplastic polyurethane/poly(ethylene-co-1-octene)/multi-walled carbon nanotube composites for conductive improvement and piezoresistive stability. 2019 , 75, 142-150	10
252	Extremely strong and tough polythiophene composite for flexible electronics. 2019 , 368, 933-940	24
251	Tailoring the hybrid network structure of boron nitride/carbon nanotube to achieve thermally conductive poly(vinylidene fluoride) composites. 2019 , 13, 30-36	17

250	Optimizing the electrical conductivity of polymer nanocomposites under the shear field by hybrid fillers: Insights from molecular dynamics simulation. 2019 , 168, 138-145	12
249	Introductory Chapter: The Way to Fulfill Science Fiction. 2019 ,	
248	Highly Sensitive Piezoresistive Graphene-Based Stretchable Composites for Sensing Applications. 2019 , 11, 46286-46295	29
247	Efficient preparation of PDMS-based conductive composites using self-designed automatic equipment and an application example. 2019 , 39, 892-901	7
246	Recent Advances and Future Prospects in Spark Plasma Sintered Alumina Hybrid Nanocomposites. 2019 , 9,	10
245	Percolation analysis of the electrical conductive network in a polymer nanocomposite by nanorod functionalization.. 2019 , 9, 36324-36333	5
244	Constructing interconnected spherical hollow conductive networks in silver platelets/reduced graphene oxide foam/epoxy nanocomposites for superior electromagnetic interference shielding effectiveness. 2019 , 11, 22590-22598	83
243	Poly(pyrrole--toluidine) wrapped CoFeO/R(GO-OXSWCNTs) ternary composite material for Ga sensing ability.. 2019 , 9, 33052-33070	16
242	Perovskite solar cell-hybrid devices: thermoelectrically, electrochemically, and piezoelectrically connected power packs. 2019 , 7, 26661-26692	18
241	Mechanical and Electrical Characterization of Two Carbon/Ultra High Molecular Weight Polyethylene Composites Created Via Equal Channel Angular Processing. 2019 , 141,	4
240	Control of Conductive and Mechanical Performances of Poly(Amide-Imide) Composite Films Utilizing Synergistic Effect of Polyaniline and Multi-Walled Carbon Nanotube. 2019 , 59, E224-E230	14
239	Electrical Conductivity in Polymer Composite Filled With Carbon Microfillers. 2019 , 19-40	
238	Localization control of carbon nanotubes in immiscible polylactide/vulcanized epoxidized soybean oil blends. 2019 , 11, 6-11	12
237	Pyroresistivity in conductive polymer composites: a perspective on recent advances and new applications. 2019 , 68, 299-305	15
236	Development of metal-graphene-filled hybrid composites: Characterization of mechanical, thermal, and electrical properties. 2019 , 53, 3363-3376	12
235	Percolation behavior of electromagnetic interference shielding in polymer/multi-walled carbon nanotube nanocomposites. 2019 , 170, 70-76	70
234	Fabricating sea-island structure and co-continuous structure in PMMA/ASA and PMMA/CPE blends: Correlation between impact property and phase morphology. 2019 , 73, 21-30	14
233	Nanocomposite polymeric materials with 3D graphene-based architectures: from design strategies to tailored properties and potential applications. <i>Progress in Polymer Science</i> , 2019 , 89, 213-249	29.6 52

232	Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. 2019 , 11,	9
231	Multiscale finite-element modelling of the electrical conductivity of polyvinylchloride-fickel composites. 2019 , 53, 1255-1260	
230	Electrical conductivity of graphene filled PLA/PMMA blends: Experimental investigation and modeling. 2019 , 40, 704-715	13
229	Electrical characteristics of conductive ultrathin bonded wearing course for active deicing and snow melting. 2019 , 20, 1299-1308	8
228	Improved energy density in core-shell poly(dopamine) coated barium titanate/poly(fluorovinylidene-co-trifluoroethylene) nanocomposite with interfacial polarization. 2020 , 585, 124091	12
227	Material-Based Approaches for the Fabrication of Stretchable Electronics. 2020 , 32, e1902743	149
226	Shape Memory Polymers, Blends and Composites. 2020 ,	6
225	Optical, Electrical, and Magnetic Properties of Shape-Memory Polymers, Polymer Blends, and Composites. 2020 , 237-268	4
224	Natural sunlight-actuated shape memory materials with reversible shape change and self-healing abilities based on carbon nanotubes filled conductive polymer composites. 2020 , 382, 122823	33
223	Antimony-doped SnO ₂ nanoparticles-decorated TiO ₂ composite with enhanced electrical properties. 2020 , 13, 1951005	2
222	Conductivity of Poly(methyl methacrylate)/Polystyrene/Carbon Black and Poly(ethyl methacrylate)/Polystyrene/Carbon Black Ternary Composite Films. 2020 , 38, 288-297	15
221	Improvements on electrical conductivity of the electrospun microfibers using the silver nanoparticles. 2020 , 137, 48788	3
220	Recent progress on flexible and stretchable piezoresistive strain sensors: From design to application. 2020 , 114, 100617	95
219	Electrochemical determination of dopamine using a conductive polypyrrole/carbon-coated mesoporous silica composite electrode. 2020 , 50, 311-319	5
218	Effect of the shear field on the conductive percolated network formation in a nanoparticle filled polymer nanocomposites. 2020 , 18, 128-139	1
217	Highly stretchable and sensitive conductive rubber composites with tunable piezoresistivity for motion detection and flexible electrodes. 2020 , 158, 893-903	18
216	Synergistic effect in improving the electrical conductivity in polymer nanocomposites by mixing spherical and rod-shaped fillers. 2020 , 16, 10454-10462	1
215	Nanocellulose as a Sustainable Building Block to Construct Eco-Friendly Thermally Conductive Composites. 2020 , 59, 19465-19484	7

214	A new anisotropic thermal conductivity equation for h-BN/polymer composites using finite element analysis. 2020 , 160, 120157	10
213	A stretchable and self-healable organosilicon conductive nanocomposite for a reliable and sensitive strain sensor. 2020 , 8, 17277-17288	8
212	Rational design of nanohybrids for highly thermally conductive polymer composites. 2020 , 21, 100427	18
211	In-Situ Preparation of Carbonaceous Conductive Composite Materials Based on PEDOT and Biowaste for Flexible Pseudocapacitor Application. 2020 , 4, 87	2
210	Laser induced graphene in fiberglass-reinforced composites for strain and damage sensing. 2020 , 199, 108367	17
209	Epoxy-Polypyrrole-Cotton Tertiary Composite with Electro-Tunable Stiffness. 2020 , 305, 2000310	1
208	Enhanced electromagnetic interference shielding and mechanical properties of segregated polymer/carbon nanotube composite via selective microwave sintering. 2020 , 199, 108355	18
207	An elegant coupling: Freeze-casting and versatile polymer composites. <i>Progress in Polymer Science</i> , 2020 , 109, 101289	29.6 26
206	Effect of Injection Molding Conditions on Crystalline Structure and Electrical Resistivity of PP/MWCNT Nanocomposites. 2020 , 12,	7
205	Tuning the Piezoresistive Behavior of Poly(Vinylidene Fluoride)/Carbon Nanotube Composites Using Poly(Methyl Methacrylate). 2020 , 12, 43125-43137	11
204	3D printed high-performance flexible strain sensors based on carbon nanotube and graphene nanoplatelet filled polymer composites. 2020 , 55, 15769-15786	21
203	THz Spectroscopy as a Versatile Tool for Filler Distribution Diagnostics in Polymer Nanocomposites. 2020 , 12,	1
202	Room-temperature synthesis and CO ₂ -gas sensitivity of bismuth oxide nanosensors. 2020 , 10, 17217-17227	10
201	Fabrication and Study of a Composite Material Based on a Glass-Cloth with a Metal Oxide Coating. 2020 , 56, 125-133	
200	Electrical conductivity of polystyrene/poly(n-alkyl methacrylate)s / carbon nanotube ternary composite casting films. 2020 , 27, 1	4
199	Study and Characterization of the Dielectric Behavior of Low Linear Density Polyethylene Composites Mixed with Ground Tire Rubber Particles. 2020 , 12,	14
198	Percolation of polydisperse nanorods in polymer nanocomposites: Insights from molecular dynamics simulation. 2020 , 196, 108208	2
197	High-temperature polymer conductors with self-assembled conductive pathways. 2020 , 192, 107989	7

196	Ultralow-threshold and efficient EMI shielding PMMA/MWCNTs composite foams with segregated conductive network and gradient cells. 2020 , 14, 685-703	8
195	Perpendicular and In-Plane Conductivity of Poly(methyl methacrylate) Composite Films Filled with Carbon-Based Fillers Prepared from Solution Casting Process. 2020 , 305, 2000107	2
194	Tailoring surface anisotropy in ternary NiC/glass/epoxy laminates by magnetic field. 2020 , 23, 101064	
193	Polyethylene Composites with Segregated Carbon Nanotubes Network: Low Frequency Plasmons and High Electromagnetic Interference Shielding Efficiency. 2020 , 13,	13
192	Design of functional composite and all-inorganic nanostructured materials via infiltration of polymer templates with inorganic precursors. 2020 , 8, 10604-10627	12
191	Antistatic Fibers for High-Visibility Workwear: Challenges of Melt-Spinning Industrial Fibers. 2020 , 13,	4
190	Synthesis and characterization of polyaniline-nickel chloride composites. 2020 , 1531, 012002	0
189	Highly improved PP/CNTs sheet prepared by tailoring crystallization morphology through solid-phase die drawing and multilayer hot compression. 2020 , 3, e10137	1
188	Sustainable and self-regulating out-of-oven manufacturing of FRPs with integrated multifunctional capabilities. 2020 , 190, 108032	9
187	Efficient construction of boron nitride network in epoxy composites combining reaction-induced phase separation and three-roll milling. 2020 , 198, 108232	7
186	Bi-directional high thermal conductive epoxy composites with radially aligned boron nitride nanosheets lamellae. 2020 , 198, 108322	26
185	Controllable distribution of conductive particles in polymer blends via a bilayer structure design: a strategy to fabricate shape-memory composites with tunable electro-responsive properties. 2020 , 8, 9593-9601	8
184	Simultaneously improved electromagnetic interference shielding and flame retarding properties of poly (butylene succinate)/thermoplastic polyurethane blends by constructing segregated flame retardants and multi-walled carbon nanotubes double network. 2020 , 137, 106037	17
183	Balanced physical properties for thermoplastic silicone vulcanizate-based polymer composites containing functional filler. 2020 , 41, 4307-4317	1
182	Ultra-light MXene aerogel/wood-derived porous carbon composites with wall-like mortar/brick structures for electromagnetic interference shielding. 2020 , 65, 616-622	223
181	Shear induced formation and destruction behavior of conductive networks in nickel/polyurethane composites during strain sensing. 2020 , 130, 105757	11
180	A Low-Cost Paper Glucose Sensor with Molecularly Imprinted Polyaniline Electrode. 2020 , 20,	7
179	Facile fabrication of polyaniline films with hierarchical porous networks for enhanced electrochemical activity. 2020 , 86, 81-89	4

178	Polyaniline/carbon nanotube hybrids modified with ionic liquids as anticorrosive additive in epoxy coatings. 2020 , 143, 105598	18
177	Highly electro-responsive plasticized PVC/FMWCNTs soft composites: A novel flex actuator with functional characteristics. 2020 , 126, 109556	10
176	Facile Fabrication of Multifunctional Poly(ethylene-co-octene)/Carbon Nanotube Foams Based on Tunable Conductive Network. 2020 , 59, 1934-1943	16
175	Enhancing thermal conductivity via conductive network conversion from high to low thermal dissipation in polydimethylsiloxane composites. 2020 , 8, 3463-3475	55
174	Fabrication of Thermoplastic Polyurethane/Polycaprolactone Multilayered Composites with Confined Distribution of MWCNTs for Achieving Tunable Thermo- and Electro-Responsive Shape-Memory Performances. 2020 , 59, 2977-2987	10
173	Sustainable conducting polymer composites: study of mechanical and tribological properties of natural fiber reinforced PVA composites with carbon nanofillers. 2020 , 59, 1088-1099	16
172	Carbon fiber-based polymer composite via ceramization toward excellent electromagnetic interference shielding performance and high temperature resistance. 2020 , 131, 105769	14
171	Enhanced interfacial polarization in poly(vinylidene fluoride-chlorotrifluoroethylene) nanocomposite with parallel boron nitride nanosheets. 2020 , 31, 165703	8
170	Study on the effect of tailoring the segmented PU molecules on electrically conductive properties and percolation threshold of PU/MWCNTs nanocomposites. 2020 , 261, 116300	1
169	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. 2020 , 12, 9790-9796	10
168	The superior mechanical and physical properties of nanocarbon reinforced bulk composites achieved by architecture design [A review]. 2020 , 113, 100672	83
167	Preparation of high-strength and lightweight microcellular polysulfone foam with a segregated CNT network for excellent electromagnetic shielding.. 2020 , 10, 11994-12003	11
166	Bio-Inspired Nanospiky Metal Particles Enable Thin, Flexible, and Thermo-Responsive Polymer Nanocomposites for Thermal Regulation. 2020 , 30, 1910328	6
165	Advances in Responsively Conductive Polymer Composites and Sensing Applications. 2021 , 61, 157-193	47
164	Designs of conductive polymer composites with exceptional reproducibility of positive temperature coefficient effect: A review. 2021 , 138, 49677	10
163	Electrical properties in reinforced polymer composites. 2021 , 131-140	
162	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. 2021 , 173, 1020-1040	28
161	Economical conductive graphite-filled polymer composites via adjustable segregated structures: Construction, low percolation threshold, and positive temperature coefficient effect. 2021 , 138, 50295	2

- 160 Shape memory materials with reversible shape change and self-healing abilities: A review. **2021**, 44, 4563-4568¹
- 159 Nanocellular poly(ether-block-amide)/MWCNT nanocomposite films fabricated by stretching-assisted microcellular foaming for high-performance EMI shielding applications. **2021**, 9, 1245-1258²⁰
- 158 Electrical conductivity and fiber orientation of poly(methyl methacrylate)/carbon fiber composite sheets with various thickness. **2021**, 42, 548-558 5
- 157 Breakage of carbon nanotube agglomerates within polypropylene matrix by solid phase die drawing. **2021**, 138, 49742
- 156 Enhanced Reproducibility of Positive Temperature Coefficient Effect of CB/HDPE/PVDF Composites with the Addition of Ionic Liquid. **2021**, 39, 228-236 2
- 155 Effect of interaction between conjugated polymers and nanofillers on sensing properties. **2021**, 237-263
- 154 Conductive composite-based tactile sensor. **2021**, 67-90
- 153 Achievements and Prospects of Thermoelectric and Hybrid Energy Harvesters for Wearable Electronic Applications. **2021**, 3-40 1
- 152 Sensing Materials: Nanocomposites. **2021**,
- 151 Construction and Mechanism Analysis of a Self-Assembled Conductive Network in DGEBA/PEI/HRGO Nanocomposites by Controlling Filler Selective Localization. **2021**, 11, 2
- 150 Electromagnetic Wave Absorption Polymer Nanocomposites. **2021**,
- 149 Recent trends in the applications of thermally expanded graphite for energy storage and sensors □ a review. 7
- 148 Self-Healing Polymer Nanocomposite Materials by Joule Effect. **2021**, 13, 14
- 147 Dielectric Relaxation Spectroscopy and Synergy Effects in Epoxy/MWCNT/Ni@C Composites. **2021**, 11, 3
- 146 A high Cr (VI) absorption efficiency and easy recovery adsorbent: Electrospun polyethersulfone/polydopamine nanofibers. **2021**, 138, 50642 1
- 145 Laser Transmission Welding of Semi-Crystalline Polymers and Their Composites: A Critical Review. **2021**, 13, 9
- 144 Novel conductive wearing course using a graphite, carbon fiber, and epoxy resin mixture for active de-icing of asphalt concrete pavement. **2021**, 54, 1 3
- 143 Fabrication of Conductive Polymer Composites and Their Applications in Sensors. **2021**, 21-52 0

142	Effects of ionic liquid types on the tribological, mechanical, and thermal properties of ionic liquid modified graphene/polyimide shape memory composites. 095400832199676	1
141	Microcellular Conductive Carbon Black or Graphene/PVDF Composite Foam with 3D Conductive Channel: A Promising Lightweight, Heat-Insulating, and EMI-Shielding Material. 2021 , 306, 2000759	3
140	Development and simplification of a micromechanic model for conductivity of carbon nanotubes-reinforced nanocomposites. 2021 , 28, 1	
139	Polymer Nanocomposites for Temperature Sensing and Self-regulating Heating Devices. 2021 , 247-266	
138	Electrical conductivity and rheological properties of carbon black based conductive polymer composites prior to and after annealing. 096739112110012	
137	Role of the interface on electron transport in electro-conductive polymer-matrix composite: A review. 2021 , 42, 2614-2628	6
136	A review of thermoplastic polymer foams for functional applications. 2021 , 56, 11579-11604	5
135	Efficient construction and online evaluation of conductive networks within polydimethylsiloxane composites via continuous SCFNA method. 2021 , 24, 100673	6
134	Investigating the electrical percolation threshold of ternary composite films with different compatibility between polymer blends. 2021 , 41, 450-457	0
133	Evaluation and modeling of electrical conductivity in conductive polymer nanocomposite foams with multiwalled carbon nanotube networks. 2021 , 411, 128382	20
132	Electro-responsive epoxy-polypyrrole-cotton composites with enhanced flexural strength and water resistance. 2021 , 137, 111197	2
131	Modelling of Anisotropic Electrical Conduction in Layered Structures 3D-Printed with Fused Deposition Modelling. 2021 , 21,	6
130	Multifunctional NR/MWCNTs nanocomposites constructed via combining volume exclusion of SiO ₂ microspheres with interface reinforcement of tannic acid. 2021 , 151, 110424	3
129	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. 2021 , 212, 108675	38
128	Polypropylene/poly(lactic acid)/carbon nanotube semi-biodegradable nanocomposites: The effect of sequential mixing approach and compatibilization on morphology, rheology and electrical conductivity. 2021 , 138, 51195	2
127	Vitrimer chemistry enables epoxy nanocomposites with mechanical robustness and integrated conductive segregated structure for high performance electromagnetic interference shielding. 2021 , 215, 108782	20
126	Inversion of the Photogalvanic Effect of Conductive Polymers by Porphyrin Dopants. 2021 , 11, 729	1
125	Enhancement of Electromagnetic Interference Shielding Performance and Wear Resistance of the UHMWPE/PP Blend by Constructing a Segregated Hybrid Conductive Carbon Black-Polymer Network. 2021 , 6, 15078-15088	4

124	Construction, mechanism and prospective of conductive polymer composites with multiple interfaces for electromagnetic interference shielding: A review. 2021 , 177, 377-402	104
123	Bi-continuous conductive network induced by in-situ phase separation in epoxy composites with enhanced electromagnetic interference shielding performance. 2021 , 164, 104918	2
122	An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. 2021 , 211, 108846	3
121	Polycarbonate based multifunctional self-sensing 2D and 3D printed structures for aeronautic applications. 2021 , 30, 085032	3
120	The influence of the characteristics of polyethylene on thermoelectric properties of their composites with black carbon. 2021 , 18-23	0
119	Creep behavior of polymer nanocomposites: Insights from molecular dynamics simulation. 2021 , 228, 123895	2
118	Polymer-/ceramic-based dielectric composites for energy storage and conversion.	7
117	Conductive Hydrogels for Flexible Mechanical Sensors. 2021 , 71-98	
116	Comparison of Three Interfacial Conductive Networks Formed in Carbon Black-Filled PA6/PBT Blends. 2021 , 13,	0
115	Low percolation conductive graphite flakes-filled poly(urethane-imide) composites with high thermal stability via imidization self-foaming structure. 2021 , 21, 100516	1
114	Highly Tunable Piezoresistive Behavior of Carbon Nanotube-Containing Conductive Polymer Blend Composites Prepared from Two Polymers Exhibiting Crystallization-Induced Phase Separation. 2021 , 13, 43333-43347	1
113	Electromagnetic Shielding Effectiveness of an Absorber-Like Carbonyl Iron-FeNi Double-Layer Composite. 1	
112	A highly stretchable and room temperature autonomous self-healing supramolecular organosilicon elastomer with hyperbranched structure. 2021 , 156, 110618	7
111	Tracing evolutions in electro-activated shape memory polymer composites with 4D printing strategies: A systematic review. 2021 , 147, 106444	13
110	Transfer printed laser induced graphene strain gauges for embedded sensing in fiberglass composites. 2021 , 219, 108932	8
109	Endowing Acceptable Mechanical Properties of Segregated Conductive Polymer Composites with Enhanced Filler-Matrix Interfacial Interactions by Incorporating High Specific Surface Area Nanosized Carbon Black. 2021 , 11,	0
108	Relationship between microstructure evolution and properties enhancement of carbon nanotubes-filled polybutylene terephthalate/polypropylene blends induced by thermal annealing. 51689	1
107	Efficient and Cost-effective Hybrid Composite Material Based on Thermoplastic Polymer and Recycled Graphite. 2021 , 430, 132667	1

106	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. 2021 , e2103495	8
105	Multifunctional wax based conductive and piezoresistive nanocomposites for sensing applications. 2021 , 213, 108892	4
104	A novel method to incorporate functional filler into TPSiV for balanced physical properties. 2021 , 213, 108925	3
103	Enhanced thermal conduction of functionalized graphene nanoflake/polydimethylsiloxane composites via thermoluminescence strategy. 2021 , 213, 108940	4
102	Mechanically strong, healable, and reprocessable conductive carbon black/silicone elastomer nanocomposites based on dynamic imine bonds and sacrificial coordination bonds. 2021 , 223, 109123	8
101	A novel interpenetrating segregated functional filler network structure for ultra-high electrical conductivity and efficient EMI shielding in CPCs containing carbon nanotubes. 2021 , 21, 100483	9
100	Tough, stretchable and self-healing C-MXenes/PDMS conductive composites as sensitive strain sensors. 2021 , 216, 109042	5
99	Low percolation behavior of HDPE/CNT nanocomposites for EMI shielding application: Random distribution to segregated structure. 2021 , 281, 116900	2
98	Eco-friendly bioenergy: New approaches for the effective treatment of tannery fleshings. 2021 , 5, 100249	0
97	Emerging hybrids derived from polythiophene and graphene. 2021 , 129-156	
96	Investigation of electrical properties of hybrid nanocomposites containing different fillers on pressure sensor applications under different loading. 2021 , 55, 2329-2337	3
95	In-situ co-continuous conductive network induced by carbon nanotubes in epoxy composites with enhanced electromagnetic interference shielding performance. 2020 , 398, 125559	29
94	Polymer composites with enhanced thermal conductivity via oriented boron nitride and alumina hybrid fillers assisted by 3-D printing. 2020 , 46, 20810-20818	34
93	Electron structure in modified BaTiO ₃ /poly(vinylidene fluoride) nanocomposite with high dielectric property and energy density. 2019 , 2, 70-77	9
92	Role of polymeric composite in civil engineering applications: a review. 2020 , 59, 1023-1040	3
91	Preparation and vapor-sensitive properties of hydroxyl-terminated polybutadiene polyurethane conductive polymer nanocomposites based on polyaniline-coated multiwalled carbon nanotubes. 2020 , 31, 195504	12
90	Highly Fluorescent Conducting Polymer Hybrid Materials Based on Polyaniline-Polyethylene Glycol-Arsenic Sulphide. 2016 , 06, 55-64	3
89	Development of Conductive Hydrogels for Fabricating Flexible Strain Sensors. 2021 , e2101518	25

88	Polymeric materials for solar water purification. 2021 , 59, 3084	0
87	Fabrication of Open-Cell Microcellular Acrylonitrile Butadiene Styrene Composite Foams with Enhanced Electrical Conductivity and High-Performance Electromagnetic Interference Shielding. 2101020	
86	Selective localization of carbon nanotubes and its effect on the structure and properties of polymer blends. <i>Progress in Polymer Science</i> , 2021 , 123, 101471	29.6 9
85	Stretchable and ultrasensitive strain sensor from carbon nanotube-based composite with significantly enhanced electrical and sensing properties by tailoring segregated conductive networks. 2021 , 29, 100987	4
84	Ternary Nanocomposite System Composing of Graphene Nanoplatelet, Cellulose Nanofiber and Jatropha Oil Based Waterborne Polyurethane: Characterizations, Mechanical, Thermal Properties and Conductivity. 2021 , 13,	0
83	3D printing of free-standing Ti ₃ C ₂ T _x /PEO architecture for electromagnetic interference shielding. 2021 , 236, 124312	2
82	The Effect of Graphene Oxide Dispersion on Structure-Property Relationships in Graphene-Based Polymer Nanocomposites. 65, 97-121	2
81	Facile preparation of high-performance and multifunctional PVC-based nanocomposites with segregated structure achieved by volume repulsion and toughening effects of ABS. 2021 , 161, 110867	
80	Modeling of Effective Electrical Conductivity and Percolation Behavior in Conductive-Polymer Nanocomposites Reinforced with Spherical Carbon Black. 1	1
79	Electromagnetic characteristics of light terahertz materials. 2020 ,	
78	A Study on Mechanical Properties of Short Carbon Fiber Reinforced Polycarbonate via an Injection Molding Process. 2020 , 18, 801-805	
77	Polymer/graphene nanocomposites as versatile platforms for energy and electronic devices. 2022 , 173-196	
76	Effects of POE and Carbon Black on the PTC Performance and Flexibility of High-Density Polyethylene Composites. 2021 , 2021, 1-11	1
75	Conductive Polymer Composites for Soft Tactile Sensors. 2021 , 29, 761-775	3
74	Synergistic effect of multiscale BNs/CNT and 3D melamine foam on the thermal conductive of epoxy resin. 2022 , 29, 101044	2
73	Modified MXene-doped conductive organosilicon elastomer with high-stretchable, toughness, and self-healable for strain sensors. 2022 , 282, 115071	1
72	Constructing segregated thermoset composite via Pickering emulsion and dynamic polythiourethanes. 2022 , 218, 109215	0
71	Preparation of highly conductive composites with interfacial regulation based on polyamide-66 and continuous carbon fiber. 2022 , 311, 131552	0

70	A novel contemporary molecular imprinting technique for non-enzymatic selective glucose detection. 2022 , 148, 107786	0
69	Recent Advances in Graphene-Based Polymer Nanocomposites and Foams for Electromagnetic Interference Shielding Applications. 2022 , 61, 1545-1568	1
68	Cephalopods-inspired Repairable MWCNTs/PDMS Conductive Elastomers for Sensitive Strain Sensor. 2022 , 40, 384	1
67	Advances in Computational Intelligence of Polymer Composite Materials: Machine Learning Assisted Modeling, Analysis and Design. 1	7
66	Preparation of PEEK/MWCNT nanocomposites via MWCNT-induced interfacial crystallization mediated compatibilization. 2022 , 109298	0
65	A review on polyvinylidene fluoride polymer based nanocomposites for energy storage applications. 2022 , 48, 103788	3
64	Comparison between randomly distributed structure and 3D segregated structure in chlorinated polyethylene/MWCNT composites: electrical conductivity, mechanical property, flame resistance and rheological property. 2022 , 221, 109338	0
63	Electrical and electromagnetic interference shielding properties of GNP-NiFe hybrid composite with segregate structure of conductive networks. 2022 , 131, 055110	0
62	The controlled in-situ growth of silver-halloysite nanostructure via interaction bonds to reinforce a novel polybenzoxazine composite resin and improve its antifouling and anticorrosion properties. 2022 , 221, 109312	0
61	Simultaneous use of physical and chemical dispersants for electrical conductivity enhancement in polyamide 6/carbon nanotube/conductive carbon black hybrid nanocomposites. 2022 , 61, 263-275	1
60	Low Percolation Threshold and Enhanced Electromagnetic Interference Shielding in Polyoxymethylene/Carbon Nanotube Nanocomposites with Conductive Segregated Networks. 2022 , 61, 3962-3972	1
59	Dielectric Properties of Hybrid Polyethylene Composites Containing Cobalt Nanoparticles and Carbon Nanotubes.. 2022 , 15,	1
58	Electrically Conductive and All-Weather Materials from Waste Cross-Linked Polyethylene Cables for Electromagnetic Interference Shielding. 2022 , 61, 3610-3619	0
57	Determining electrical percolation threshold of randomly distributed conductor materials in polymer composites via pathfinding algorithms. 2022 , 109404	
56	Remarkable microwave heating performance of MWCNTs/polypropylene composites verified by electromagnetic-thermal coupling experiment and simulation. 2022 , 223, 109428	1
55	Vertically aligned carbon nanotubes/graphene/cellulose nanofiber networks for enhancing electrical conductivity and piezoresistivity of silicone rubber composites. 2022 , 222, 109366	0
54	Electromagnetic evaluation of radar absorbing materials based on conducting polypyrrole and organic/inorganic nanocomposite of polypyrrole/kaolinite. 2022 , 139, 52023	1
53	"Toolbox" for the Processing of Functional Polymer Composites.. 2021 , 14, 35	8

52	Magnetic Manipulation of Nanowires for Engineered Stretchable Electronics.. 2021 ,	1
51	Carbonization of Graphene-Doped Isocyanate-Based Polyimide Foams to Achieve Carbon Foams with Excellent Electromagnetic Interference Shielding Performance.. 2021 , 14,	1
50	Cancer Biomarker Methylmalonic Acid Detection by Molecularly Imprinted Polyaniline Paper Sensor. 2022 , 16,	
49	Enhanced thermoelectric performance by constructing PEDOT:PSS/graphene quantum dots/single-walled carbon nanotube multilayer films. 2022 , 911, 164998	0
48	Poly(N-Isopropylacrylamide) Based Electrically Conductive Hydrogels and Their Applications. 2022 , 8, 280	2
47	Migration mechanism of carbon nanotubes and matching viscosity-dependent morphology in Co-continuous Poly(lactic acid)/Poly(Ecaprolactone) blend: Towards electromagnetic shielding enhancement. 2022 , 252, 124963	7
46	Bioinspired Strain Sensor Using Multiwalled Carbon Nanotube/Polyvinyl Butyral/Nylon Cloth for Wireless Sensing Applications. 2022 , 1-1	1
45	Conductive polycarbonate composites prepared by a ternary polymer blend approach involving sea-island-type interfacial carbon black networks.	
44	Recent Progress in Solar Photothermal Steam Technology for Water Purification and Energy Utilization. 2022 , 137603	5
43	Study on carbon matrix composite bipolar plates with balance of conductivity and flexural strength. 2022 ,	0
42	Excellent positive temperature coefficient behavior and electrical reproducibility of HDPE/(TiC-CB) composites. 2022 , 175, 111334	
41	Synthesize Structural, Dielectric, and Optical Properties of Phosphorus Pentasulfide Modified Co-Polyurethane for Electrical Applications.	
40	A short review on the synthesis and advance applications of polyaniline hydrogels. 2022 , 12, 19122-19132	4
39	Graphene fibre film/polydimethylsiloxane nanocomposites for high-performance electromagnetic interference shielding.	
38	Conductive and Semi-conductive Nanocomposite-based Hydrogels for Cardiac Tissue Engineering. 2200526	1
37	Recent progress on multifunctional electromagnetic interference shielding polymer composites. 2022 ,	1
36	A state-of-the-art review on potential applications of natural fiber-reinforced polymer composite filled with inorganic nanoparticle. 2022 , 100298	0
35	Development of electroactive materials-based immunosensor towards early-stage cancer detection. 2022 , 471, 214723	1

- 34 Experiment and theory study on the electrical property of MWCNT filled thermoplastic polyurethane bilayer composites with tunable layer thickness ratios. **2022**, 115, 107749 ○
- 33 Effect of chalcone moiety on AC conductance of Metal Oxide Nano Composite doped thin polymer film. 1-9 ○
- 32 Conductivity Prediction Method of Carbon Nanotube Resin Composites Considering the Quantum Tunnelling Effect. **2022**, 15, 5982 ○
- 31 The Effect of Carbon/Oxygen Ratio upon Structure-Property Relationships in Polymer/Graphene Nanocomposites. 37, 59-78 ○
- 30 Conductive Hydrogels Based on Industrial Lignin: Opportunities and Challenges. **2022**, 14, 3739 1
- 29 Continuous film casting of polycarbonate/single-walled carbon nanotubes composites with ultrasound-assisted twin-screw extruder: Effect of screw configuration. ○
- 28 Migration of Electroconductive Carbon Nanoparticles in Polymer Composites Melts. **2022**, 405, 2100236 ○
- 27 Direct Chemical Oxidative Polymerization of Polymelamine and its Copolymerization with Aniline for Hydrogel Supercapacitor Electrodes. **2022**, 169, 100543 ○
- 26 Fe₃O₄ uniformly decorated reduced graphene oxide aerogel for epoxy nanocomposites with high EMI shielding performance. **2022**, 101391 1
- 25 Unified modeling and experimental realization of electrical and thermal percolation in polymer composites. **2022**, 9, 041403 ○
- 24 Graphene Reinforced Polymer Matrix Nanocomposites: Fabrication Method, Properties and Applications. ○
- 23 Design of a stable and porous MF/Ti₃C₂T_x/PEG composite for the integration of electromagnetic interference shielding and thermal management. **2023**, 165, 107333 ○
- 22 Great new generation carbon microsphere-based composites: Facile synthesis, properties and their application in piezo-electric energy harvesting. **2023**, 613, 156078 ○
- 21 Enhanced reproducibility of positive temperature coefficient effect of TPO/HDPE blends via elastic crosslinking. **2023**, 34, 105078 1
- 20 Dielectric, AC Conductance of Chalcone Moiety, Metal Oxide Nanocomposite Doped Thin Polymer Film: Synthesis and Characterization. **2022**, 34, 3132-3144 ○
- 19 Optimization of Electrical, Dielectric, and Electromagnetic Response in Nanocomposite Foam by Balancing Carbon Nanotube Restricted Orientation and Selective Distribution. **2022**, 61, 17499-17511 ○
- 18 Properties of polyamide 6/multiwalled carbon nanotubes composites: The influence of processing methods. **2023**, 140, ○
- 17 Influence of mechanical blending method and consolidation temperature on electrical properties of the prepared graphene nanoplatelet/UHMWPE composite. **2023**, 30, ○

16	Graphene wrapped hollow glass beads for polymer composites: From thermal insulators to conductors. 2022 , 109890	0
15	Polymer-based wearable nano-composite sensors: a review. 2023 , 28, 156-191	0
14	Creating poly(lactic acid)/carbon nanotubes/carbon black nanocomposites with high electrical conductivity and good mechanical properties by constructing a segregated double network with a low content of hybrid nanofiller. 2023 , 6,	2
13	Acrylonitrile Butadiene Styrene-Based Composites with Permalloy with Tailored Magnetic Response. 2023 , 15, 626	0
12	Thermally conductive polymer composites. 2023 , 149-196	0
11	Processing methods for conductive polymer composite bipolar plates: Effect on plate quality and performance.	1
10	Influence of mold cavity thickness on electrical, morphological and thermal properties of polypropylene/carbon micromoldings. 2023 ,	0
9	Polymer composites for strain sensors. 2023 , 381-404	0
8	Synthesis of Novel Conductive Nanocomposites Based on Polyaniline and Poly(aniline- <i>co</i> -melamine) Grafted on Tragacanth. 2022 , 95, 1448-1458	0
7	Engineering Smart Composite Hydrogels for Wearable Disease Monitoring. 2023 , 15,	0
6	Polyvinyl Alcohol, Chitosan Polymer Film Containing Chalcone, Metal Oxide Nanocomposite: Synthesis Characterization and Electrical Properties.	0
5	Multilayered Composites with Carbon Nanotubes for Electromagnetic Shielding Application. 2023 , 15, 1053	0
4	Dendritic Structure-Inspired Coating Strategy for Stable and Efficient Solar Evaporation of Salinity Brine. 2023 , 11, 3882-3895	0
3	Constructing high-efficiency microwave shielding networks in multi-walled carbon nanotube/poly(ϵ -caprolactone) composites by adding carbon black and graphene nano-plates.	0
2	Recent Advances in Multicomponent Organic Composite Thermoelectric Materials. 2201310	0
1	Research of NBR/G@Fe ₃ O ₄ electromagnetic shielding composites. 2023 , 34,	0