

Wen-Chang Chen

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ext. citations

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#	Paper	IF	Citations
438	High-Refractive-Index Thin Films Prepared from Trialkoxysilane-Capped Poly(methyl methacrylate)/Titania Materials. <i>Chemistry of Materials</i> , 2001 , 13, 1137-1142	9.6	322
437	Improved charge transport and absorption coefficient in indacenodithieno[3,2-b]thiophene-based ladder-type polymer leading to highly efficient polymer solar cells. <i>Advanced Materials</i> , 2012 , 24, 6356-6374	17.4	319
436	Synthesis and characterization of organic/inorganic hybrid thin films from poly(acrylic) and monodispersed colloidal silica. <i>Polymer</i> , 2003 , 44, 593-601	3.9	229
435	High-Performance Air-Stable n-Type Organic Transistors Based on Core-Chlorinated Naphthalene Tetracarboxylic Diimides. <i>Advanced Functional Materials</i> , 2010 , 20, 2148-2156	15.6	210
434	Enhancement of Aggregation-Induced Emission in Dye-Encapsulating Polymeric Micelles for Bioimaging. <i>Advanced Functional Materials</i> , 2010 , 20, 1413-1423	15.6	198
433	New Thiophene-Linked Conjugated Poly(azomethine)s: Theoretical Electronic Structure, Synthesis, and Properties. <i>Macromolecules</i> , 2005 , 38, 1958-1966	5.5	197
432	Synthesis and Optoelectronic Properties of Starlike Polyfluorenes with a Silsesquioxane Core. <i>Macromolecules</i> , 2004 , 37, 2335-2341	5.5	172
431	Synthesis and Optical Properties of Polyimide-Silica Hybrid Thin Films. <i>Chemistry of Materials</i> , 2002 , 14, 4242-4248	9.6	172
430	Synthesis and characterization of new fluorene-acceptor alternating and random copolymers for light-emitting applications. <i>Polymer</i> , 2006 , 47, 527-538	3.9	169
429	Non-halogenated solvents for environmentally friendly processing of high-performance bulk-heterojunction polymer solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 3241	35.4	160
428	Polymeric charge storage electrets for non-volatile organic field effect transistor memory devices. <i>Polymer Chemistry</i> , 2015 , 6, 341-352	4.9	155
427	Effective interfacial layer to enhance efficiency of polymer solar cells via solution-processed fullerene-surfactants. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8574		149
426	High Performance Volatile Polymeric Memory Devices Based on Novel Triphenylamine-based Polyimides Containing Mono- or Dual-Mediated Phenoxy Linkages. <i>Macromolecules</i> , 2010 , 43, 1236-1244	5.5	145
425	Conjugated rod-coil block copolymers: Synthesis, morphology, photophysical properties, and stimuli-responsive applications. <i>Progress in Polymer Science</i> , 2011 , 36, 603-637	29.6	145
424	Synthesis and Memory Device Characteristics of New Sulfur Donor Containing Polyimides. <i>Macromolecules</i> , 2009 , 42, 4456-4463	5.5	142
423	Donor-Acceptor polymers for advanced memory device applications. <i>Polymer Chemistry</i> , 2011 , 2, 2169	4.9	141
422	Selenophene-DPP donor-acceptor conjugated polymer for high performance ambipolar field effect transistor and nonvolatile memory applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2120-2128		133

421	Conjugated Polymer Nanoparticles as Nano Floating Gate Electrets for High Performance Nonvolatile Organic Transistor Memory Devices. <i>Advanced Functional Materials</i> , 2015 , 25, 1511-1519	15.6	132
420	Morphology and Photophysical Properties of Light-Emitting Electrospun Nanofibers Prepared from Poly(fluorene) Derivative/PMMA Blends. <i>Macromolecules</i> , 2007 , 40, 6959-6966	5.5	128
419	Toward High-Performance Semi-Transparent Polymer Solar Cells: Optimization of Ultra-Thin Light Absorbing Layer and Transparent Cathode Architecture. <i>Advanced Energy Materials</i> , 2013 , 3, 417-423	21.8	123
418	The structures and properties of hydrogen silsesquioxane (HSQ) films produced by thermal curing. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1138-1141		122
417	Synthesis of New Indolocarbazole-Acceptor Alternating Conjugated Copolymers and Their Applications to Thin Film Transistors and Photovoltaic Cells. <i>Macromolecules</i> , 2009 , 42, 1897-1905	5.5	113
416	Synthesis, Morphology, and Properties of Poly(3-hexylthiophene)-block-Poly(vinylphenyl oxadiazole) Donor-Acceptor Rod-Coil Block Copolymers and Their Memory Device Applications. <i>Advanced Functional Materials</i> , 2010 , 20, 3012-3024	15.6	112
415	High-Efficiency Polymer Solar Cells Achieved by Doping Plasmonic Metallic Nanoparticles into Dual Charge Selecting Interfacial Layers to Enhance Light Trapping. <i>Advanced Energy Materials</i> , 2013 , 3, 666-673	21.8	109
414	Flexible Nonvolatile Transistor Memory Devices Based on One-Dimensional Electrospun P3HT:Au Hybrid Nanofibers. <i>Advanced Functional Materials</i> , 2013 , 23, 4960-4968	15.6	107
413	Synthesis and characterization of trialkoxysilane-capped poly(methyl methacrylate)/titania hybrid optical thin films. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2999-3003		107
412	Single-crystal C60 needle/CuPc nanoparticle double floating-gate for low-voltage organic transistors based non-volatile memory devices. <i>Advanced Materials</i> , 2015 , 27, 27-33	24	100
411	High refractive index polyimide/nanocrystalline-titania hybrid optical materials. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1139		98
410	Cesium carbonate as a functional interlayer for polymer photovoltaic devices. <i>Journal of Applied Physics</i> , 2008 , 103, 103721	2.5	98
409	Enhancement of P3HT/PCBM Photovoltaic Efficiency Using the Surfactant of Triblock Copolymer Containing Poly(3-hexylthiophene) and Poly(4-vinyltriphenylamine) Segments. <i>Macromolecules</i> , 2010 , 43, 6085-6091	5.5	97
408	Transparent organic/inorganic hybrid thin films prepared from acrylic polymer and aqueous monodispersed colloidal silica. <i>Materials Chemistry and Physics</i> , 2003 , 82, 388-395	4.4	97
407	New Two-Dimensional Thiophene-Acceptor Conjugated Copolymers for Field Effect Transistor and Photovoltaic Cell Applications. <i>Chemistry of Materials</i> , 2010 , 22, 3290-3299	9.6	95
406	Manipulation on the Morphology and Electrical Properties of Aligned Electrospun Nanofibers of Poly(3-hexylthiophene) for Field-Effect Transistor Applications. <i>Macromolecules</i> , 2011 , 44, 2883-2892	5.5	94
405	New Donor-Acceptor Oligoimides for High-Performance Nonvolatile Memory Devices. <i>Chemistry of Materials</i> , 2011 , 23, 4487-4497	9.6	92
404	Synthesis and properties of new polyimide/silica hybrid films through both intrachain and interchain bonding. <i>Polymer</i> , 2003 , 44, 7079-7087	3.9	92

403	Spin coating of conjugated polymers for electronic and optoelectronic applications. <i>Thin Solid Films</i> , 2005 , 479, 254-260	2.2	91
402	High-refractive-index thin films prepared from aminoalkoxysilane-capped pyromellitic dianhydride/TiO ₂ hybrid materials. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3419-3427	2.5	91
401	2-(2-Hydroxyphenyl)benzoxazole-Containing Two-Photon-Absorbing Chromophores as Sensors for Zinc and Hydroxide Ions. <i>Chemistry of Materials</i> , 2008 , 20, 1977-1987	9.6	90
400	Nonvolatile Perovskite-Based Photomemory with a Multilevel Memory Behavior. <i>Advanced Materials</i> , 2017 , 29, 1702217	24	87
399	Small-Bandgap Conducting Polymers Based on Conjugated Poly(heteroarylene methines). 2. Synthesis, Structure, and Properties. <i>Macromolecules</i> , 1995 , 28, 465-480	5.5	85
398	New Donor-Acceptor Random Copolymers with Pendent Triphenylamine and 1,3,4-Oxadiazole for High-Performance Memory Device Applications. <i>Macromolecules</i> , 2011 , 44, 2604-2612	5.5	84
397	Highly flexible and optical transparent 6F-PI/TiO ₂ optical hybrid films with tunable refractive index and excellent thermal stability. <i>Journal of Materials Chemistry</i> , 2010 , 20, 531-536		84
396	A Rapid and Facile Soft Contact Lamination Method: Evaluation of Polymer Semiconductors for Stretchable Transistors. <i>Chemistry of Materials</i> , 2014 , 26, 4544-4551	9.6	82
395	Electronic structure and properties of alternating donor-acceptor conjugated copolymers: 3,4-Ethylenedioxythiophene (EDOT) copolymers and model compounds. <i>Polymer</i> , 2006 , 47, 699-708	3.9	80
394	Resistive switching non-volatile and volatile memory behavior of aromatic polyimides with various electron-withdrawing moieties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14085		79
393	New Dibenzothiophene-Containing Donor-Acceptor Polyimides for High-Performance Memory Device Applications. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5930-5939	3.8	78
392	High-Performance Nonvolatile Transistor Memories of Pentacene Using the Green Electrets of Sugar-based Block Copolymers and Their Supramolecules. <i>Advanced Functional Materials</i> , 2014 , 24, 4240-4249	15.6	76
391	Nonvolatile memory based on pentacene organic field-effect transistors with polystyrene-para-substituted oligofluorene pendent moieties as polymer electrets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5820		76
390	High-Mobility Air-Stable Solution-Shear-Processed n-Channel Organic Transistors Based on Core-Chlorinated Naphthalene Diimides. <i>Advanced Functional Materials</i> , 2011 , 21, 4173-4181	15.6	76
389	Highly-Aligned Electrospun Luminescent Nanofibers Prepared from Polyfluorene/PMMA Blends: Fabrication, Morphology, Photophysical Properties and Sensory Applications. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 999-1008	3.9	76
388	New random copolymers with pendant carbazole donor and 1,3,4-oxadiazole acceptor for high performance memory device applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4778		75
387	Structural control of oligomeric methyl silsesquioxane precursors and their thin-film properties. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1560-1571	2.5	75
386	Effect of Spacer Length of Siloxane-Terminated Side Chains on Charge Transport in Isoindigo-Based Polymer Semiconductor Thin Films. <i>Advanced Functional Materials</i> , 2015 , 25, 3455-3462	15.6	74

385	Effect of Non-Chlorinated Mixed Solvents on Charge Transport and Morphology of Solution-Processed Polymer Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2014 , 24, 3524-3534	15.6	73
384	Thiophene and Selenophene Donor-Acceptor Polyimides as Polymer Electrets for Nonvolatile Transistor Memory Devices. <i>Macromolecules</i> , 2012 , 45, 6946-6956	5.5	73
383	Supramolecular block copolymers: graphene oxide composites for memory device applications. <i>Chemical Communications</i> , 2012 , 48, 383-5	5.8	72
382	Morphological Transformation and Photophysical Properties of Rod-Coil Poly[2,7-(9,9-dihexylfluorene)]-block-poly(acrylic acid) in Solution. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1838-1844	4.8	72
381	A poly(fluorene-thiophene) donor with a tethered phenanthro[9,10-d]imidazole acceptor for flexible nonvolatile flash resistive memory devices. <i>Chemical Communications</i> , 2012 , 48, 9135-7	5.8	70
380	Electronic Properties and Field-Effect Transistors of Thiophene-Based Donor-Acceptor Conjugated Copolymers. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1835-1840	4.8	70
379	Soft Poly(butyl acrylate) Side Chains toward Intrinsically Stretchable Polymeric Semiconductors for Field-Effect Transistor Applications. <i>Macromolecules</i> , 2017 , 50, 4982-4992	5.5	69
378	New Didecyloxyphenylene-Acceptor Alternating Conjugated Copolymers: Synthesis, Properties, and Optoelectronic Device Applications. <i>Macromolecules</i> , 2008 , 41, 6952-6959	5.5	69
377	Uniform Luminous Perovskite Nanofibers with Color-Tunability and Improved Stability Prepared by One-Step Core/Shell Electrospinning. <i>Small</i> , 2018 , 14, e1704379	11	68
376	Effects of Molecular Structure and Packing Order on the Stretchability of Semicrystalline Conjugated Poly(Tetrathienoacene-diketopyrrolopyrrole) Polymers. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600311	6.4	66
375	Tuning the Electrical Memory Characteristics from Volatile to Nonvolatile by Perylene Imide Composition in Random Copolyimides. <i>Macromolecules</i> , 2012 , 45, 4556-4563	5.5	66
374	Advances and challenges of green materials for electronics and energy storage applications: from design to end-of-life recovery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20546-20563	13	65
373	Isoindigo-Based Semiconducting Polymers Using Carbosilane Side Chains for High Performance Stretchable Field-Effect Transistors. <i>Macromolecules</i> , 2016 , 49, 8540-8548	5.5	64
372	High-performance nonvolatile organic transistor memory devices using the electrets of semiconducting blends. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12780-8	9.5	64
371	Flexible polymer memory devices derived from triphenylamine-pyrene containing donor-acceptor polyimides. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20754		64
370	Solution-shear-processed quaterrylene diimide thin-film transistors prepared by pressure-assisted thermal cleavage of swallow tails. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4204-7	16.4	64
369	A New Class of High T _g and Organosoluble Aromatic Poly(amine-1,3,4-oxadiazole)s Containing Donor and Acceptor Moieties for Blue-Light-Emitting Materials. <i>Macromolecules</i> , 2006 , 39, 6036-6045	5.5	64
368	Theoretical and Experimental Characterization of Small Band Gap Poly(3,4-ethylenedioxythiophene methine)s. <i>Macromolecules</i> , 2004 , 37, 5959-5964	5.5	64

367	The structural transformation and properties of spin-on poly(silsesquioxane) films by thermal curing. <i>Journal of Non-Crystalline Solids</i> , 2002 , 311, 233-240	3.9	64
366	Stretchable Conjugated Rod-Coil Poly(3-hexylthiophene)-block-poly(butyl acrylate) Thin Films for Field Effect Transistor Applications. <i>Macromolecules</i> , 2017 , 50, 1442-1452	5.5	63
365	Stretchable Polymer Dielectrics for Low-Voltage-Driven Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25522-25532	9.5	61
364	Synthesis, morphology, and sensory applications of multifunctional rod-coil-coil triblock copolymers and their electrospun nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3387-95	9.5	61
363	Multilevel nonvolatile transistor memories using a star-shaped poly((4-diphenylamino)benzyl methacrylate) gate electret. <i>NPG Asia Materials</i> , 2013 , 5, e35-e35	10.3	61
362	A silole copolymer containing a ladder-type heptacyclic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells. <i>Energy and Environmental Science</i> , 2015 , 8, 552-557	35.4	60
361	High Performance Transparent Transistor Memory Devices Using Nano-Floating Gate of Polymer/ZnO Nanocomposites. <i>Scientific Reports</i> , 2016 , 6, 20129	4.9	60
360	Non-volatile memory devices based on polystyrene derivatives with electron-donating oligofluorene pendent moieties. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1974-9	9.5	59
359	Flexible nanocrystalline-titania/polyimide hybrids with high refractive index and excellent thermal dimensional stability. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1433-1440	2.5	59
358	Synthesis, structures and multifunctional sensory properties of poly[2,7-(9,9-dihexylfluorene)]-block-poly[2-(dimethylamino)ethyl methacrylate] rod-coil diblock copolymers. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3985		58
357	Low-temperature electrodeposited crystalline SnO ₂ as an efficient electron-transporting layer for conventional perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 164, 47-55	6.4	57
356	Poly[2,7-(9,9-dihexylfluorene)]-block-poly(2-vinylpyridine) Rod-Coil and Coil-Rod-Coil Block Copolymers: Synthesis, Morphology and Photophysical Properties in Methanol/THF Mixed Solvents. <i>Macromolecules</i> , 2008 , 41, 8759-8769	5.5	57
355	A disposable glucose biosensor based on drop-coating of screen-printed carbon electrodes with magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e400-e402	2.8	57
354	Synthesis of Linear and Star-Shaped Poly[4-(diphenylamino)benzyl methacrylate]s by Group Transfer Polymerization and Their Electrical Memory Device Applications. <i>Macromolecules</i> , 2011 , 44, 5168-5177	5.5	56
353	Photosensitive polyimide/silica hybrid optical materials: Synthesis, properties, and patterning. <i>Polymer</i> , 2005 , 46, 6959-6967	3.9	56
352	Conception of Stretchable Resistive Memory Devices Based on Nanostructure-Controlled Carbohydrate-block-Polyisoprene Block Copolymers. <i>Advanced Functional Materials</i> , 2017 , 27, 1606161	15.6	55
351	Tunable electrical memory characteristics by the morphology of self-assembled block copolymers:PCBM nanocomposite films. <i>Soft Matter</i> , 2012 , 8, 526-535	3.6	55
350	Novel triphenylamine-containing ambipolar polyimides with pendant anthraquinone moiety for polymeric memory device, electrochromic and gas separation applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20394		55

349	Synthesis, thermomorph characteristics, and fluorescent properties of poly[2,7-(9,9-dihexylfluorene)]-block-poly(N-isopropylacrylamide)-block-poly(N-hydroxyethylacrylamide) rod-coil-coil triblock copolymers. <i>Soft Matter</i> , 2009 , 5, 3761	6.6	53
348	A Redox-Based Resistive Switching Memory Device Consisting of Organic/Inorganic Hybrid Perovskite/Polymer Composite Thin Film. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700344	6.4	52
347	Nonvolatile organic field-effect transistor memory devices using polymer electrets with different thiophene chain lengths. <i>Polymer Chemistry</i> , 2014 , 5, 1063-1071	4.9	52
346	Nonvolatile transistor memory devices using high dielectric constant polyimide electrets. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3235	7.1	52
345	Novel high-performance polymer memory devices containing (OMe) ₂ tetraphenyl-p-phenylenediamine moieties. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3709-3718	8.5	52
344	Effects of Acceptors on the Electronic and Optoelectronic Properties of Fluorene-Based Donor-Acceptor Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1919-1927	2.6	52
343	Small-Bandgap Conducting Polymers Based on Conjugated Poly(heteroarylene methines). 1. Precursor Poly(heteroarylene methylenes). <i>Macromolecules</i> , 1995 , 28, 454-464	5.5	52
342	Conjugated fluorene based rod-coil block copolymers and their PCBM composites for resistive memory switching devices. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4504-11	9.5	51
341	Molecular Architecture Effect on the Microphase Separations in Supramolecular Comb-Coil Complexes of Polystyrene-block-poly(2-vinylpyridine) with Dodecylbenzenesulfonic Acid: (AB) _n A _n Block-Arm Star Copolymer. <i>Macromolecules</i> , 2005 , 38, 10117-10126	5.5	51
340	A rapid and green method for the fabrication of conductive hydrogels and their applications in stretchable supercapacitors. <i>Journal of Power Sources</i> , 2019 , 426, 205-215	8.9	50
339	Interplay of Molecular Orientation, Film Formation, and Optoelectronic Properties on Isoindigo- and Thienoisindigo-Based Copolymers for Organic Field Effect Transistor and Organic Photovoltaic Applications. <i>Chemistry of Materials</i> , 2015 , 27, 6837-6847	9.6	50
338	Synthesis, Nanostructure, Functionality, and Application of Polyfluorene-block-poly(N-isopropylacrylamide)s. <i>Macromolecules</i> , 2010 , 43, 282-291	5.5	50
337	Oligosaccharide Carbohydrate Dielectrics toward High-Performance Non-volatile Transistor Memory Devices. <i>Advanced Materials</i> , 2015 , 27, 6257-64	24	49
336	n-Type Doped Conjugated Polymer for Nonvolatile Memory. <i>Advanced Materials</i> , 2017 , 29, 1605166	24	47
335	Small band gap conjugated polymers based on thiophene/thienopyrazine copolymers. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 5872-5883	2.5	47
334	Tunable electrical memory characteristics using polyimide:polycyclic aromatic compound blends on flexible substrates. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4921-9	9.5	46
333	New Fluorene-Acceptor Random Copolymers: Towards Pure White Light Emission from a Single Polymer. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1131-1138	2.6	46
332	Organic/Inorganic hybrid materials from a new octa(2,3-epoxypropyl)silsesquioxane with diamines. <i>Polymer</i> , 2005 , 46, 2163-2174	3.9	45

331	Donor-Acceptor Poly(3-hexylthiophene)-block-Pendent Poly(isoindigo) with Dual Roles of Charge Transporting and Storage Layer for High-Performance Transistor-Type Memory Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 2695-2705	15.6	45
330	. <i>Macromolecules</i> , 2013 , 46, 1783-1793	5.5	44
329	All-conjugated diblock copolymer of poly(3-hexylthiophene)-block-poly(3-phenoxyethylthiophene) for field-effect transistor and photovoltaic applications. <i>Organic Electronics</i> , 2009 , 10, 1541-1548	3.5	44
328	Synthesis of all-conjugated poly(3-hexylthiophene)-block-poly(3-(4-(3,7-dimethyloctyloxy)-3-pyridinyl)thiophene) and its blend for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2577-2587	2.5	43
327	Synthesis, properties, and anti-reflective applications of new colorless polyimide-inorganic hybrid optical materials. <i>Composites Science and Technology</i> , 2010 , 70, 769-775	8.6	43
326	New environmentally responsive fluorescent N-isopropylacrylamide copolymer and its application to DNA sensing. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5495-5504	2.5	43
325	Synthesis and characterization of poly(methyl silsesquioxane)/titania optical thin films. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3644-3648		43
324	RGB-Switchable Porous Electrospun Nanofiber Chemoprobe-Filter Prepared from Multifunctional Copolymers for Versatile Sensing of pH and Heavy Metals. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16381-16396	9.5	42
323	Evaluation of structure-property relationships of solution-processible fullerene acceptors and their n-channel field-effect transistor performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14976		42
322	Indacenodithieno[3,2-b]thiophene-based broad bandgap polymers for high efficiency polymer solar cells. <i>Polymer Chemistry</i> , 2013 , 4, 5220	4.9	42
321	Morphology and pH Sensing Characteristics of New Luminescent Electrospun Fibers Prepared from Poly(phenylquinoline)-block-Polystyrene/Polystyrene Blends. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 65-70	4.8	42
320	Theoretical analysis on the geometries and electronic structures of coplanar conjugated poly(azomethine)s. <i>Polymer</i> , 2005 , 46, 4950-4957	3.9	42
319	Synthesis and Characterization of Poly(methyl methacrylate)-Silica Hybrid Optical Thin Films. <i>Polymer Journal</i> , 2000 , 32, 67-72	2.7	42
318	Tailoring Carbosilane Side Chains toward Intrinsically Stretchable Semiconducting Polymers. <i>Macromolecules</i> , 2019 , 52, 4396-4404	5.5	41
317	High-k polymer-graphene oxide dielectrics for low-voltage flexible nonvolatile transistor memory devices. <i>Chemical Communications</i> , 2014 , 50, 3217-9	5.8	41
316	Plasmon-Enhanced Polymer Photovoltaic Device Performance Using Different Patterned Ag/PVP Electrospun Nanofibers. <i>Advanced Energy Materials</i> , 2014 , 4, 1301665	21.8	40
315	Self-Assembled Nanowires of Organic n-Type Semiconductor for Nonvolatile Transistor Memory Devices. <i>Advanced Functional Materials</i> , 2012 , 22, 4352-4359	15.6	40
314	A supramolecular approach on using poly(fluorenylstyrene)-block-poly(2-vinylpyridine):PCBM composite thin films for non-volatile memory device applications. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 528-33	4.8	40

313	Electrically bistable memory devices based on all-conjugated block copolythiophenes and their PCBM composite films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14502		40
312	Non-fluorinated superamphiphobic surfaces through sol-gel processing of methyltriethoxysilane and tetraethoxysilane. <i>Materials Chemistry and Physics</i> , 2009 , 114, 63-68	4.4	40
311	Synthesis and properties of new dialkoxyphenylene quinoxaline-based donor-acceptor conjugated polymers and their applications on thin film transistors and solar cells. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 973-985	2.5	40
310	Full color light-emitting electrospun nanofibers prepared from PFO/MEH-PPV/PMMA ternary blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 463-470	2.6	40
309	A Novel Benzoxazole-Containing Poly(N-isopropylacrylamide) Copolymer as a Multifunctional Sensing Material. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 894-899	4.8	40
308	Polymer photovoltaic devices with highly transparent cathodes. <i>Organic Electronics</i> , 2008 , 9, 1132-1135	3.5	40
307	Intramolecular Janus Segregation of a Heteroarm Star Copolymer. <i>Macromolecules</i> , 2005 , 38, 6201-6209	5.5	40
306	Amperometric glucose biosensor based on screen-printed carbon electrodes mediated with hexacyanoferrate-chitosan oligomers mixture. <i>Sensors and Actuators B: Chemical</i> , 2006 , 117, 236-243	8.5	40
305	Influence of polymeric electrets on the performance of derived hybrid perovskite-based photo-memory devices. <i>Nanoscale</i> , 2018 , 10, 18869-18877	7.7	40
304	Triphenylamine-based luminogens and fluorescent polyimides: effects of functional groups and substituents on photophysical behaviors. <i>Polymer Chemistry</i> , 2016 , 7, 1569-1576	4.9	39
303	Tetragonally Packed Cylinder Structure via Hierarchical Assembly of Comb-Coil Diblock Copolymer. <i>Macromolecules</i> , 2007 , 40, 3271-3276	5.5	39
302	Novel Luminescent Electrospun Fibers Prepared From Conjugated Rod-Coil Block Copolymer of Poly[2,7-(9,9-dihexylfluorene)]-block-Poly(methyl methacrylate). <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1711-1715	4.8	39
301	Synthesis and characterization of oligomeric phenylsilsesquioxane-titania hybrid optical thin films. <i>Materials Chemistry and Physics</i> , 2004 , 83, 71-77	4.4	39
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