Guey-Sheng Liou

List of Publications by Year
in descending order

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209 papers	8,985 citations	28242 55 h-index	64755 79 g-index
211 all docs	211 docs citations	211 times ranked	4852 citing authors

#	Article	IF	Citations
1	Novel Aromatic Poly(Amine-Imide)s Bearing A Pendent Triphenylamine Group:Â Synthesis, Thermal, Photophysical, Electrochemical, and Electrochromic Characteristics. Macromolecules, 2005, 38, 307-316.	2.2	249
2	Solution-processable triarylamine-based electroactive high performance polymers for anodically electrochromic applications. Polymer Chemistry, 2012, 3, 255-264.	1.9	216
3	Highly stable anodic green electrochromic aromatic polyamides: synthesis and electrochromic properties. Journal of Materials Chemistry, 2007, 17, 1007-1015.	6.7	185
4	Flexible Multiâ€Colored Electrochromic and Volatile Polymer Memory Devices Derived from Starburst Triarylamineâ€Based Electroactive Polyimide. Advanced Functional Materials, 2013, 23, 5307-5316.	7.8	183
5	Highly Stable Anodic Electrochromic Aromatic Polyamides Containing N,N,Nâ€˜,Nâ€˜-Tetraphenyl-p-Phenylenediamine Moieties:â€‰ Synthesis, Electrochemical, and Electrochromic Properties. Macromolecules, 2008, 41, 1667-1674.	2.2	151
6	Recent advances in triphenylamine-based electrochromic derivatives and polymers. Polymer Chemistry, 2018, 9, 3001-3018.	1.9	147
7	Novel trends of electrochemical oxidation of amino-substituted triphenylamine derivatives. Journal of Electroanalytical Chemistry, 2005, 575, 95-101.	1.9	139
8	Highly transparent AgNW/PDMS stretchable electrodes for elastomeric electrochromic devices. Nanoscale, 2017, 9, 2633-2639.	2.8	137
9	Novel Starburst Triarylamine-Containing Electroactive Aramids with Highly Stable Electrochromism in Near-Infrared and Visible Light Regions. Chemistry of Materials, 2011, 23, 1874-1882.	3.2	134
10	High Contrast Ratio and Rapid Switching Electrochromic Polymeric Films Based on 4-(Dimethylamino)triphenylamine-Functionalized Aromatic Polyamides. Macromolecules, 2008, 41, 2800-2808.	2.2	129
11	Synthesis, Photophysical, and Electrochromic Characterization of Wholly Aromatic Polyamide Blue-Light-Emitting Materials. Macromolecules, 2006, 39, 5337-5346.	2.2	122
12	Solution-Processable Novel Near-Infrared Electrochromic Aromatic Polyamides Based on Electroactive Tetraphenyl-p-Phenylenediamine Moieties. Chemistry of Materials, 2009, 21, 4062-4070.	3.2	120
13	Design and preparation of triphenylamine-based polymeric materials towards emergent optoelectronic applications. Progress in Polymer Science, 2019, 89, 250-287.	11.8	116
14	Highly transparent polyimide hybrids for optoelectronic applications. Reactive and Functional Polymers, 2016, 108, 2-30.	2.0	114
15	Highâ€Performance Electrofluorochromic Devices Based on Electrochromism and Photoluminescenceâ€Active Novel Poly(4â€Cyanotriphenylamine). Advanced Functional Materials, 2014, 24, 6422-6429.	7.8	108
16	Novel high-Tg poly(amine-imide)s bearing pendent N-phenylcarbazole units: synthesis and photophysical, electrochemical and electrochromic properties. Journal of Materials Chemistry, 2006, 16, 1831.	6.7	107
17	Synthesis and characterization of novel soluble triphenylamine-containing aromatic polyamides based onN,N?-bis(4-aminophenyl)-N,N?-diphenyl-1,4-phenylenediamine. Journal of Polymer Science Part A, 2002, 40, 2810-2818.	2.5	101
18	Novel aromatic polyamides and polyimides functionalized with 4-tert-butyltriphenylamine groups. Journal of Polymer Science Part A, 2006, 44, 4579-4592.	2.5	101

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19	Novel aromatic polyamides bearing pendent diphenylamino or carbazolyl groups. Journal of Polymer Science Part A, 2004, 42, 3302-3313.	2.5	94
20	Highly flexible and optical transparent 6F-PI/TiO₂optical hybrid films with tunable refractive index and excellent thermal stability. Journal of Materials Chemistry, 2010, 20, 531-536.	6.7	92
21	Programmable digital memory devices based on nanoscale thin films of a thermally dimensionally stable polyimide. Nanotechnology, 2009, 20, 135204.	1.3	88
22	Novel organosoluble aromatic polyimides bearing pendant methoxyâ€substituted triphenylamine moieties: Synthesis, electrochromic, and gas separation properties. Journal of Polymer Science Part A, 2008, 46, 7937-7949.	2.5	86
23	Resistive switching non-volatile and volatile memory behavior of aromatic polyimides with various electron-withdrawing moieties. Journal of Materials Chemistry, 2012, 22, 14085.	6.7	86
24	Synthesis and properties of organosoluble polyimide/clay hybrids. Journal of Applied Polymer Science, 2001, 80, 2067-2072.	1.3	82
25	Novel blue and red electrochromic poly(azomethine ether)s based on electroactive triphenylamine moieties. Organic Electronics, 2010, 11, 299-310.	1.4	77
26	Highly transparent and flexible polyimideâ€“AgNW hybrid electrodes with excellent thermal stability for electrochromic applications and defogging devices. Journal of Materials Chemistry C, 2015, 3, 3629-3635.	2.7	75
27	Various Digital Memory Behaviors of Functional Aromatic Polyimides Based on Electron Donor and Acceptor Substituted Triphenylamines. Macromolecules, 2012, 45, 3749-3758.	2.2	73
28	Synthesis, luminescence and electrochromism of aromatic poly(amineâ€“amide)s with pendent triphenylamine moieties. Journal of Materials Chemistry, 2005, 15, 1812.	6.7	72
29	Flexible electrofluorochromic devices with the highest contrast ratio based on aggregation-enhanced emission (AEE)-active cyanotriphenylamine-based polymers. Chemical Communications, 2013, 49, 9797.	2.2	72
30	Highly transparent to truly black electrochromic devices based on an ambipolar system of polyamides and viologen. NPG Asia Materials, 2017, 9, e388-e388.	3.8	72
31	Solution-processable triarylamine-based high-performance polymers for resistive switching memory devices. Polymer Journal, 2016, 48, 117-138.	1.3	70
32	Novel family of triphenylamine-containing, hole-transporting, amorphous, aromatic polyamides with stable electrochromic properties. Journal of Polymer Science Part A, 2005, 43, 2085-2098.	2.5	68
33	Novel programmable functional polyimides: preparation, mechanism of CT induced memory, and ambipolar electrochromic behavior. Journal of Materials Chemistry C, 2013, 1, 7623.	2.7	68
34	Preparation and properties of aromatic polyamides from 2,2â€²-bis(p-aminophenoxy) biphenyl or 2,2â€²-bis(p-aminophenoxy)-1,1â€²-binaphthyl and aromatic dicarboxylic acids. Journal of Polymer Science Part A, 1993, 31, 2499-2506.	2.5	67
35	Transmissive to black electrochromic aramids with high near-infrared and multicolor electrochromism based on electroactive tetraphenylbenzidine units. Journal of Materials Chemistry, 2011, 21, 6230.	6.7	67
36	Design, Synthesis, and Electrofluorochromism of New Triphenylamine Derivatives with AIE-Active Pendent Groups. ACS Applied Materials & Interfaces, 2019, 11, 11684-11690.	4.0	67

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37	A New Class of HighTgand Organosoluble Aromatic Poly(amineâ"1,3,4-oxadiazole)s Containing Donor and Acceptor Moieties for Blue-Light-Emitting Materials. Macromolecules, 2006, 39, 6036-6045.	2.2	66
38	A novel molecularly imprinted polymer thin film as biosensor for uric acid. Talanta, 2010, 80, 1145-1151.	2.9	66
39	Substituent Effect on Electrochemical and Electrochromic Behaviors of Ambipolar Aromatic Polyimides Based on Aniline Derivatives. Macromolecules, 2011, 44, 9595-9610.	2.2	64
40	Nonvolatile transistor memory devices using high dielectric constant polyimide electrets. Journal of Materials Chemistry C, 2013, 1, 3235.	2.7	64
41	Synthesis and Electrochemical Properties of Novel Aromatic Poly(amineâ"amide)s with Anodically Highly Stable Yellow and Blue Electrochromic Behaviors. Macromolecules, 2009, 42, 125-134.	2.2	63
42	Electroactive aromatic polyamides and polyimides with adamantylphenoxy-substituted triphenylamine units. European Polymer Journal, 2009, 45, 2234-2248.	2.6	62
43	Novel high-efficiency PL polyimide nanofiber containing aggregation-induced emission (AIE)-active cyanotriphenylamine luminogen. Chemical Communications, 2013, 49, 630-632.	2.2	62
44	Novel anodic electrochromic aromatic polyamides with multi-stage oxidative coloring based on N,N,Nâ€²,Nâ€²-tetraphenyl-p-phenylenediamine derivatives. Journal of Materials Chemistry, 2008, 18, 5638.	6.7	61
45	Synthesis and characterization of novel electroactive polyamides and polyimides with bulky 4â€(1â€adamantoxy)triphenylamine moieties. Journal of Polymer Science Part A, 2009, 47, 1740-1755.	2.5	61
46	Enhanced near-infrared electrochromism in triphenylamine-based aramids bearing phenothiazine redox centers. Journal of Materials Chemistry, 2010, 20, 9886.	6.7	61
47	Synthesis and properties of new organosoluble and alternating aromatic poly(ester-amide-imide)s with pendant phosphorus groups. Journal of Polymer Science Part A, 2001, 39, 1786-1799.	2.5	60
48	Novel Anodic Polyelectrochromic Aromatic Polyamides Containing Pendent Dimethyltriphenylamine Moieties. Macromolecules, 2008, 41, 8441-8451.	2.2	60
49	Flexible nanocrystallineâ€titania/polyimide hybrids with high refractive index and excellent thermal dimensional stability. Journal of Polymer Science Part A, 2010, 48, 1433-1440.	2.5	60
50	Novel triphenylamine-containing ambipolar polyimides with pendant anthraquinone moiety for polymeric memory device, electrochromic and gas separation applications. Journal of Materials Chemistry, 2012, 22, 20394.	6.7	60
51	Donorâ€"Acceptor Effect of Carbazole-Based Conjugated Polymer Electrets on Photoresponsive Flash Organic Field-Effect Transistor Memories. ACS Applied Materials & Interfaces, 2020, 12, 6144-6150.	4.0	60
52	Synthesis and properties of new aromatic poly(amine-imide)s derived fromN,N?-bis(4-aminophenyl)-N,N?-diphenyl-1,4-phenylenediamine. Journal of Polymer Science Part A, 2002, 40, 3815-3822.	2.5	58
53	Highly stable electrochromic polyamides based on N,Nâ€bis(4â€aminophenyl)â€Nâ€²,Nâ€²â€bis(4â€tertâ€butylphenyl)â€1,4â€phenylenediamine. Journal of Polymer Science Part A, 2009, 47, 2330-2343.	2.5	58
54	High-performance electrofluorochromic devices based on aromatic polyamides with AIE-active tetraphenylethene and electro-active triphenylamine moieties. Polymer Chemistry, 2018, 9, 4364-4373.	1.9	57

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55	Electrochemical characterization of small organic hole-transport molecules based on the triphenylamine unit. Electrochemistry Communications, 2003, 5, 373-377.	2.3	56
56	Synthesis and properties of novel poly(amide-imide)s containing pendent diphenylamino groups. European Polymer Journal, 2005, 41, 511-517.	2.6	56
57	Colorless Triphenylamine-Based Aliphatic Thermoset Epoxy for Multicolored and Near-Infrared Electrochromic Applications. ACS Applied Materials & Interfaces, 2014, 6, 3594-3599.	4.0	56
58	Synthesis, photoluminescence, and electrochromism of polyamides containing (3,6â€diâ€tertâ€butylcarbazolâ€9â€yl)triphenylamine units. Journal of Polymer Science Part A, 2010, 48, 4775-4789.	2.5	53
59	Synthesis and characterization of electrochromic poly(amideâ€“imide)s based on the diimide-diacid from 4,4â€²-diamino-4â€³-methoxytriphenylamine and trimellitic anhydride. European Polymer Journal, 2010, 46, 1355-1366.	2.6	52
60	Novel highâ€performance polymer memory devices containing (OMe)₂tetraphenylâ€pâ€phenylenediamine moieties. Journal of Polymer Science Part A, 2011, 49, 3709-3718.	2.5	52
61	Synthesis and photoluminescent and electrochromic properties of aromatic poly(amine amide)s bearing pendentN-carbazolylphenyl moieties. Journal of Polymer Science Part A, 2006, 44, 4108-4121.	2.5	51
62	Synthesis and evaluation of photoluminescent and electrochemical properties of new aromatic polyamides and polyimides with a kink 1,2-phenylenediamine moiety. Journal of Polymer Science Part A, 2006, 44, 2587-2603.	2.5	51
63	Synthesis and characterization of wholly aromatic poly(azomethine)s containing donorâ€“acceptor triphenylamine moieties. Journal of Polymer Science Part A, 2007, 45, 4921-4932.	2.5	51
64	Programmable digital nonvolatile memory behaviors of donorâ€“acceptor polyimides bearing triphenylamine derivatives: effects of substituents. Polymer Chemistry, 2012, 3, 1276.	1.9	51
65	Triphenylamineâ€based polyimides with trimethyl substituents for gas separation membrane and electrochromic applications. Journal of Polymer Science Part A, 2011, 49, 3637-3646.	2.5	49
66	Novel Photoinduced Recovery of OFET Memories Based on Ambipolar Polymer Electret for Photorecorder Application. Advanced Functional Materials, 2019, 29, 1902991.	7.8	49
67	Synthesis and properties of new soluble triphenylamine-based aromatic poly(amine amide)s derived fromN,N?-bis(4-carboxyphenyl)-N,N?-diphenyl-1,4-phenylenediamine. Journal of Polymer Science Part A, 2003, 41, 94-105.	2.5	48
68	Highâ€Efficiency Photoluminescence Wholly Aromatic Triarylamineâ€based Polyimide Nanofiber with Aggregationâ€Induced Emission Enhancement. Advanced Optical Materials, 2013, 1, 668-676.	3.6	47
69	Novel Organic Phototransistor-Based Nonvolatile Memory Integrated with UV-Sensing/Green-Emissive Aggregation Enhanced Emission (AEE)-Active Aromatic Polyamide Electret Layer. ACS Applied Materials & Interfaces, 2018, 10, 18281-18288.	4.0	47
70	Synthesis and properties of soluble aromatic polyimides from 2,2?-bis(3,4-dicarboxyphenoxy)-1,1?-binaphthyl dianhydride and aromatic diamines. Journal of Polymer Science Part A, 1998, 36, 1937-1943.	2.5	45
71	A novel porphyrin-containing polyimide for memory devices. Polymer Chemistry, 2016, 7, 2780-2784.	1.9	45
72	Novel electrochromic aromatic poly(amineâ€“amideâ€“imide)s with pendent triphenylamine structures. Polymer, 2005, 46, 5939-5948.	1.8	43

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73	New polyimides incorporated with diphenylpyrenylamine unit as fluorophore and redoxâ€chromophore. Journal of Polymer Science Part A, 2011, 49, 2210-2221.	2.5	43
74	Electrically bistable memory devices based on poly(triphenylamine)â€“PCBM hybrids. Chemical Communications, 2013, 49, 2804.	2.2	43
75	Novel thermally stable and soluble triarylamine functionalized polyimides for gas separation. Polymer Chemistry, 2014, 5, 4219.	1.9	43
76	Synthesis and electrochromism of novel organosoluble polyarylates bearing triphenylamine moieties. Journal of Polymer Science Part A, 2007, 45, 2004-2014.	2.5	42
77	Poly(triphenylamine)s derived from oxidative coupling reaction: Substituent effects on the polymerization, electrochemical, and electroâ€optical properties. Journal of Polymer Science Part A, 2009, 47, 285-294.	2.5	42
78	Preparation and properties of new soluble aromatic polyimides from 2,2â€²â€bis(3,4â€dicarboxyphenoxy)biphenyl dianhydride and aromatic diamines. Journal of Polymer Science Part A, 1998, 36, 2021-2027.	2.5	41
79	Synthesis and properties of new aromatic polyamides with redoxâ€active 2,4â€dimethoxytriphenylamine moieties. Journal of Polymer Science Part A, 2010, 48, 3392-3401.	2.5	41
80	Highly transparent and flexible polyimide/ZrO₂ nanocomposite optical films with a tunable refractive index and Abbe number. Chemical Communications, 2015, 51, 13523-13526.	2.2	41
81	Preparation and properties of aromatic polyimides from 2,2â€²-bis(p-aminophenoxy)biphenyl or Science Part A, 1993, 31, 3273-3279.	2.5	40
82	Triphenylamine-based luminogens and fluorescent polyimides: effects of functional groups and substituents on photophysical behaviors. Polymer Chemistry, 2016, 7, 1569-1576.	1.9	40
83	Synthesis and properties of new soluble aromatic polyamides and polyimides on the basis ofN,N?-bis(3-aminobenzoyl)-N,N?-diphenyl-1,4-phenylenediamine. Journal of Polymer Science Part A, 2002, 40, 2564-2574.	2.5	39
84	Substituent effects on the electrochemical and spectral characteristics of N,N,Nâ€²,Nâ€²-tetraaryl-p-phenylenediamine derivatives. Journal of Electroanalytical Chemistry, 2005, 578, 283-287.	1.9	39
85	Substituent and Charge Transfer Effects on Memory Behavior of the Ambipolar Poly(triphenylamine)s. ACS Applied Materials & Interfaces, 2015, 7, 15988-15994.	4.0	39
86	A novel panchromatic shutter based on an ambipolar electrochromic system without supporting electrolyte. Chemical Communications, 2018, 54, 2619-2622.	2.2	39
87	A comparative study of redox-active, ambipolar electrochromic triphenylamine-based polyimides prepared by electrochemical polymerization and conventional polycondensation methods. Polymer Chemistry, 2018, 9, 236-248.	1.9	39
88	Synthesis and properties of new organo-soluble and strictly alternating aromatic poly(ester-imide)s from 3,3-bis[4-(trimellitimidophenoxy)phenyl]phthalide and bisphenols. Journal of Polymer Science Part A, 2000, 38, 1090-1099.	2.5	38
89	Synthesis and Characterization of Novel Triarylamine Derivatives with Dimethylamino Substituents for Application in Optoelectronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 14902-14908.	4.0	38
90	Substituent effects of AIE-active Î±-cyanostilbene-containing triphenylamine derivatives on electrofluorochromic behavior. Nanoscale, 2019, 11, 8597-8603.	2.8	38

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91	A facile approach towards optically isotropic, colorless, and thermoplastic polyimidothioethers with high refractive index. Journal of Materials Chemistry, 2010, 20, 4080.	6.7	37
92	Electrically bistable digital memory behaviors of thin films of polyimides based on conjugated bis(triphenylamine) derivatives. Polymer, 2012, 53, 4135-4144.	1.8	37
93	Preparation and optoelectronic behaviours of novel electrochromic devices based on triphenylamine-containing ambipolar materials. Journal of Materials Chemistry C, 2017, 5, 9370-9375.	2.7	37
94	Linkage effect on the memory behavior of sulfonyl-containing aromatic polyether, polyester, polyamide, and polyimide. Chemical Communications, 2013, 49, 2536.	2.2	35
95	Flexible, optically transparent, high refractive, and thermally stable polyimideâ€“TiO2 hybrids for anti-reflection coating. RSC Advances, 2013, 3, 17048.	1.7	35
96	Multilevel Nonvolatile Flexible Organic Fieldâ€Effect Transistor Memories Employing Polyimide Electrets with Different Chargeâ€Transfer Effects. Macromolecular Rapid Communications, 2014, 35, 1039-1045.	2.0	35
97	Synthesis and properties of aromatic poly(ester amide)s with pendant phosphorus groups. Journal of Polymer Science Part A, 2002, 40, 459-470.	2.5	34
98	Flexible memory devices with tunable electrical bistability via controlled energetics in donorâ€“donor and donorâ€“acceptor conjugated polymers. Journal of Materials Chemistry C, 2014, 2, 4374-4378.	2.7	34
99	Polyterephthalamides with naphthoxy-pendent groups. Journal of Polymer Science Part A, 2002, 40, 1781-1789.	2.5	33
100	Synthesis and properties of wholly aromatic polymers bearing cardo fluorene moieties. Journal of Polymer Science Part A, 2007, 45, 4352-4363.	2.5	33
101	Synthesis and Properties of Noncoplanar Rigid-rod Aromatic Polyamides Containing Phenyl or Naphthyl Substituents. Journal of Polymer Research, 2007, 14, 147-155.	1.2	33
102	Novel thermally stable triarylamineâ€containing aromatic polyamides bearing anthrylamine chromophores for highly efficient greenâ€lightâ€emitting materials. Journal of Polymer Science Part A, 2008, 46, 7354-7368.	2.5	33
103	Linkage and acceptor effects on diverse memory behavior of triphenylamine-based aromatic polymers. Polymer Chemistry, 2013, 4, 4162.	1.9	33
104	A novel class of organosoluble and light-colored fluorinated polyamides derived from 2,2â€²-bis(4-amino-2-trifluoromethylphenoxy)biphenyl or 2,2â€²-bis(4-amino-2-trifluoromethylphenoxy)-1,1â€²-binaphthyl. European Polymer Journal, 2004, 40, 1081-1094.	2.6	32
105	Mixedâ€valence class I transition and electrochemistry of bis(triphenylamine)â€based aramids containing isolated etherâ€linkage. Journal of Polymer Science Part A, 2011, 49, 3805-3816.	2.5	32
106	Electrochromism and Nonvolatile Memory Device Derived from Triphenylamine-Based Polyimides with Pendant Viologen Units. Macromolecular Rapid Communications, 2017, 38, 1600715.	2.0	32
107	Thermal degradation behaviour of aromatic poly(ester-amide) with pendant phosphorus groups investigated by pyrolysis-GC/MS. Polymer Degradation and Stability, 2006, 91, 21-30.	2.7	31
108	Synthesis and photophysical properties of novel organo-soluble polyarylates bearing triphenylamine moieties. Journal of Polymer Research, 2007, 14, 191-199.	1.2	30

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109	Highly transparent and flexible bio-based polyimide/TiO₂and ZrO₂hybrid films with tunable refractive index, Abbe number, and memory properties. Nanoscale, 2016, 8, 12793-12802.	2.8	30
110	Novel, organosoluble, light-colored fluorinated polyimides based on 2,2?-bis(4-amino-2-trifluoromethylphenoxy)biphenyl or 2,2?-bis(4-amino-2-trifluoromethylphenoxy)-1,1?-binaphthyl. Journal of Polymer Science Part A, 2004, 42, 2416-2431.	2.5	29
111	Novel thermally stable poly(amine hydrazide)s and poly(amine-1,3,4-oxadiazole)s for luminescent and electrochromic materials. Journal of Polymer Science Part A, 2005, 43, 3245-3256.	2.5	29
112	Poly(amine-amide-imide)s Bearing PendentN-Carbazolylphenyl Moieties: Synthesis and Electrochromic Properties. Macromolecular Chemistry and Physics, 2006, 207, 1589-1598.	1.1	29
113	Synthesis and photoluminescence properties of novel polyarylates bearing pendent naphthylamine chromophores. European Polymer Journal, 2008, 44, 2608-2618.	2.6	29
114	Synthesis and characterization of electroactive hyperbranched aromatic polyamides based on A2B-type triphenylamine moieties. Journal of Materials Chemistry, 2009, 19, 7666.	6.7	29
115	Fluorescent and electrochromic aromatic polyamides with 4â€tertâ€butyltriphenylamine chromophore. Journal of Polymer Science Part A, 2010, 48, 2798-2809.	2.5	29
116	Red, green, and blue electrochromism in ambipolar poly(amineâ€“amideâ€“imide)s based on electroactive tetraphenylâ€pâ€phenylenediamine units. Journal of Polymer Science Part A, 2010, 48, 4747-4757.	2.5	29
117	Synthesis and Electrochromism of Highly Organosoluble Polyamides and Polyimides with Bulky Trityl-Substituted Triphenylamine Units. Polymers, 2017, 9, 511.	2.0	29
118	Stably anodic green electrochromic aromatic poly(amineâ€“amideâ€“imide)s: Synthesis and electrochromic properties. Organic Electronics, 2007, 8, 662-672.	1.4	28
119	Preparation and characterization of near-infrared and multi-colored electrochromic aramids based on aniline-derivatives. Organic Electronics, 2012, 13, 840-849.	1.4	27
120	Novel solution-processable fluorene-based polyimide/TiO2 hybrids with tunable memory properties. Polymer Chemistry, 2013, 4, 4570.	1.9	27
121	Novel near-infrared and multi-colored electrochromic polybenzoxazines with electroactive triarylamine moieties. Journal of Materials Chemistry C, 2014, 2, 7796.	2.7	27
122	Synthesis and characterization of novel electrochromic devices derived from redox-active polyamideâ€“TiO₂ hybrids. Journal of Materials Chemistry C, 2018, 6, 12422-12428.	2.7	27
123	A facile approach to prepare porous polyamide films with enhanced electrochromic performance. Nanoscale, 2018, 10, 16613-16620.	2.8	27
124	Novel Stretchable Ambipolar Electrochromic Devices Based on Highly Transparent AgNW/PDMS Hybrid Electrodes. Advanced Optical Materials, 2019, 7, 1900632.	3.6	27
125	Synthesis of high-performance electrochromic material for facile fabrication of truly black electrochromic devices. Electrochimica Acta, 2021, 367, 137474.	2.6	27
126	Preparation and properties of aromatic polyamides from 2,2â€²-bis(p-carboxyphenoxy) biphenyl or 2,2â€²-bis(p-carboxyphenoxy)-1,1â€²-binaphthyl and aromatic diamines. Journal of Polymer Science Part A, 1993, 31, 3265-3272.	2.5	26

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127	Synthesis and unexpected electrochemical behavior of the triphenylamineâ€based aramids with orthoâ€•and paraâ€trimethylâ€protective substituents. Journal of Polymer Science Part A, 2010, 48, 5271-5281.	2.5	26
128	A facile approach to multicolored electrochromic triarylamine-based thermoset epoxy materials with tunable intervalence charge transfer behavior. Chemical Communications, 2013, 49, 9812.	2.2	26
129	Nonvolatile transistor memory devices based on high-k electrets of polyimide/TiO₂hybrids. Polymer Chemistry, 2014, 5, 6718-6727.	1.9	26
130	A New Class of Aromatic Poly(1,3,4-oxadiazole)s and Poly(amide-1,3,4-oxadiazole)s Containing (Naphthalenedioxy)diphenylene Groups. Polymer Journal, 2002, 34, 917-924.	1.3	25
131	Synthesis, photoluminescence, and electrochromic properties of wholly aromatic polyamides bearing naphthylamine chromophores. Journal of Polymer Science Part A, 2006, 44, 6094-6102.	2.5	24
132	4-methoxy-substituted poly(triphenylamine): A p-type polymer with highly photoluminescent and reversible oxidative electrochromic characteristics. Journal of Polymer Science Part A, 2007, 45, 3292-3302.	2.5	24
133	High-efficiency fluorescent polyimides based on locally excited triarylamine-containing dianhydride moieties. Polymer Chemistry, 2015, 6, 5225-5232.	1.9	24
134	UV-sensing organic phototransistor memory devices with a doped organic polymer electret composed of triphenylamine-based aggregation-induced emission luminogens. Journal of Materials Chemistry C, 2019, 7, 11014-11021.	2.7	24
135	Novel Authentic and Ultrafast Organic Photorecorders Enhanced by AIEâ€Active Polymer Electrets via Interlayer Charge Recombination. Advanced Functional Materials, 2021, 31, 2101288.	7.8	24
136	Blue-light-emitting and anodically electrochromic materials of new wholly aromatic polyamides derived from the high-efficiency chromophore 4,4â€²-dicarboxy-4â€³-methyltriphenylamine. Journal of Polymer Science Part A, 2006, 44, 4095-4107.	2.5	23
137	Electrochromic properties of novel strictly alternating poly(amineâ€“amideâ€“imide)s with electroactive triphenylamine moieties. European Polymer Journal, 2006, 42, 1533-1540.	2.6	23
138	Electrochemical and Spectral Characterizations of 9â€Phenylcarbazoles. Journal of the Chinese Chemical Society, 2012, 59, 331-337.	0.8	23
139	Novel triarylamine-based polybenzoxazines with a donorâ€“acceptor system for polymeric memory devices. Chemical Communications, 2014, 50, 13917-13920.	2.2	23
140	Cyanotriphenylamine-based polyimidothioethers as multifunctional materials for ambipolar electrochromic and electrofluorochromic devices, and fluorescent electrospun fibers. Polymer Chemistry, 2018, 9, 1693-1700.	1.9	23
141	New Pâ€type of poly(4â€•methoxyâ€triphenylamine)s derived by coupling reactions: Synthesis, electrochromic behaviors, and hole mobility. Journal of Polymer Science Part A, 2009, 47, 4037-4050.	2.5	22
142	High T_g, ambipolar, and nearâ€infrared electrochromic anthraquinoneâ€based aramids with intervalence chargeâ€transfer behavior. Journal of Polymer Science Part A, 2012, 50, 61-69.	2.5	22
143	Electrically programmable digital memory behaviors based on novel functional aromatic polyimide/TiO2hybrids with a high ON/OFF ratio. Journal of Materials Chemistry C, 2014, 2, 2842-2850.	2.7	22
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