Man Shing Wong

List of Publications by Year
in descending order

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Version: 2024-02-01

408 papers	17,995 citations	14614 66 h-index	21474 114 g-index
419 all docs	419 docs citations	419 times ranked	18010 citing authors

#	Article	IF	Citations
1	The way towards for ultraflat and superclean graphene. Nano Select, 2022, 3, 485-504.	1.9	2
2	Î³-Glutamyl transpeptidaseâ€“activated indole-quinolinium based cyanine as a fluorescence turn-on nucleolus-targeting probe for cancer cell detection and inhibition. Talanta, 2022, 237, 122898.	2.9	11
3	Tunable charge-transport polarity in thienothiopheneâ€“bisoxoindolinylidene-benzodifurandione copolymers for high-performance field-effect transistors. Journal of Materials Chemistry C, 2022, 10, 2671-2680.	2.7	5
4	Developing Grapheneâ€Based MoirÃ© Heterostructures for Twistronics. Advanced Science, 2022, 9, e2103170.	5.6	21
5	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models. Redox Biology, 2022, 51, 102280.	3.9	41
6	Preparation, Bandgap Engineering, and Performance Control of Graphene Nanoribbons. Chemistry of Materials, 2022, 34, 3588-3615.	3.2	16
7	In situgrowth of large-area and self-aligned graphene nanoribbon arrays on liquid metal. National Science Review, 2021, 8, nwaa298.	4.6	7
8	Recent Advances in Growth of Largeâ€Sized 2D Single Crystals on Cu Substrates. Advanced Materials, 2021, 33, e2003956.	11.1	26
9	Pentacene/non-fullerene acceptor heterojunction type phototransistors for broadened spectral photoresponsivity and ultralow level light detection. Journal of Materials Chemistry C, 2021, 9, 322-329.	2.7	8
10	Amyloid-Î² oligomer targeted theranostic probes for in vivo NIR imaging and inhibition of self-aggregation and amyloid-Î² induced ROS generation. Talanta, 2021, 224, 121830.	2.9	33
11	Recent progress in quinoidal semiconducting polymers: structural evolution and insight. Materials Chemistry Frontiers, 2021, 5, 76-96.	3.2	23
12	An insight into the role of side chains in the microstructure and carrier mobility of high-performance conjugated polymers. Polymer Chemistry, 2021, 12, 2471-2480.	1.9	14
13	A minireview on chemical vapor deposition growth of wafer-scale monolayerh-BN single crystals. Nanoscale, 2021, 13, 17310-17317.	2.8	14
14	Recent structural evolution of lactam- and imide-functionalized polymers applied in organic field-effect transistors and organic solar cells. Chemical Science, 2021, 12, 6844-6878.	3.7	32
15	Fabrication Strategies of Twisted Bilayer Graphenes and Their Unique Properties. Advanced Materials, 2021, 33, e2004974.	11.1	33
16	Semiconducting Polymers Based on Isoindigo and Its Derivatives: Synthetic Tactics, Structural Modifications, and Applications. Advanced Functional Materials, 2021, 31, 2010979.	7.8	58
17	Multicomponent Blend Systems Used in Organic Field-Effect Transistors: Charge Transport Properties, Large-Area Preparation, and Functional Devices. Chemistry of Materials, 2021, 33, 2229-2257.	3.2	26
18	Innovation of Materials, Devices, and Functionalized Interfaces in Organic Spintronics. Advanced Functional Materials, 2021, 31, 2100550.	7.8	47

#	Article	IF	Citations
19	Indolo[3,2,1â€jk]carbazole Embedded Multipleâ€Resonance Fluorophors for Narrowband Deepâ€blue Electroluminescence with EQEâ‰ˆ34.7â€‰% and CIE_yâ‰ˆ0.085. Angewandte Chemie, 2021, 133, 12377-12381.	1.6	22
20	Multimodal Theranostic Cyanine-Conjugated Gadolinium(III) Complex for In Vivo Imaging of Amyloid-Î² in an Alzheimerâ€™s Disease Mouse Model. ACS Applied Materials & Interfaces, 2021, 13, 18525-18532.	4.0	30
21	Indolo[3,2,1â€jk]carbazole Embedded Multipleâ€Resonance Fluorophors for Narrowband Deepâ€blue Electroluminescence with EQEâ‰ˆ34.7â€‰% and CIE_yâ‰ˆ0.085. Angewandte Chemie - International Edition, 2021, 60, 12269-12273.	7.2	106
22	Incorporation of Cyanoâ€Substituted Aromatic Blocks into Naphthalene Diimideâ€Based Copolymers: Toward Unipolar nâ€Channel Fieldâ€Effect Transistors. Small Science, 2021, 1, 2100016.	5.8	4
23	Preparation Engineering of Two-Dimensional Heterostructures via Bottom-Up Growth for Device Applications. ACS Nano, 2021, 15, 11040-11065.	7.3	22
24	Controllable Synthesis and Performance Modulation of 2D Covalentâ€“Organic Frameworks. Small, 2021, 17, e2100918.	5.2	27
25	2D Organic Radical Conjugated Skeletons with Paramagnetic Behaviors. Advanced Materials Interfaces, 2021, 8, 2100943.	1.9	3
26	Towards Highâ€Performance Resistive Switching Behavior through Embedding a Dâ€A System into 2D Imineâ€Linked Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 27135-27143.	7.2	35
27	Synergy between Fermi Level of Graphene and Morphology of Polymer Film Allows Broadband or Wavelengthâ€Sensitive Photodetection. Advanced Materials Interfaces, 2021, 8, 2100770.	1.9	5
28	Surface Engineering of Substrates for Chemical Vapor Deposition Growth of Graphene and Applications in Electronic and Spintronic Devices. Chemistry of Materials, 2021, 33, 8960-8989.	3.2	9
29	Continuous orientated growth of scaled single-crystal 2D monolayer films. Nanoscale Advances, 2021, 3, 6545-6567.	2.2	3
30	The ratiometric fluorescent probe with high quantum yield for quantitative imaging of intracellular pH. Talanta, 2020, 208, 120279.	2.9	22
31	Star-shaped triazine-cored ladder-type ter(p-phenylene)s for high-performance multiphoton absorption and amplified spontaneous blue emission. Journal of Materials Chemistry C, 2020, 8, 1768-1772.	2.7	6
32	Revealing the Influences of Solvent Boiling Point and Alkyl Chains on the Adlayer Crystallinity of Furan-Diketopyrrolopyrrole-Thienylene Copolymer at Molecular Level. Langmuir, 2020, 36, 141-147.	1.6	7
33	Modified Engineering of Graphene Nanoribbons Prepared via Onâ€Surface Synthesis. Advanced Materials, 2020, 32, e1905957.	11.1	65
34	A benzothiazolium-based fluorescent probe with ideal pK_a for mitochondrial pH imaging and cancer cell differentiation. Journal of Materials Chemistry B, 2020, 8, 10586-10592.	2.9	12
35	Polydopamine Film Selfâ€Assembled at Air/Water Interface for Organic Electronic Memory Devices. Advanced Materials Interfaces, 2020, 7, 2000979.	1.9	13
36	Negative Magnetoresistance Behavior in Polymer Spin Valves Based on Donorâ”Acceptor Conjugated Molecules. Advanced Materials Interfaces, 2020, 7, 2000868.	1.9	7

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37	Deep Red Blinking Fluorophore for Nanoscopic Imaging and Inhibition of Î²-Amyloid Peptide Fibrillation. ACS Nano, 2020, 14, 11341-11351.	7.3	23
38	Molecular engineering of (E)-1,2-bis(3-cyanothiophene-2-yl)ethene-based polymeric semiconductors for unipolar n-channel field-effect transistors. Polymer Chemistry, 2020, 11, 7340-7348.	1.9	14
39	Remarkable effect of Ï€-skeleton conformation in finitely conjugated polymer semiconductors. Journal of Materials Chemistry C, 2020, 8, 9055-9063.	2.7	1
40	Hypoxia imaging in living cells, tissues and zebrafish with a nitroreductase-specific fluorescent probe. Analyst, The, 2020, 145, 5657-5663.	1.7	17
41	Amyloidâ€Î² Oligomerâ€Targeted Gadoliniumâ€Based NIR/MR Dualâ€Modal Theranostic Nanoprobe for Alzheimer's Disease. Advanced Functional Materials, 2020, 30, 1909529.	7.8	31
42	High-Electron Mobility Tetrafluoroethylene-Containing Semiconducting Polymers. Chemistry of Materials, 2020, 32, 2330-2340.	3.2	18
43	Cognitive improvement and synaptic deficit attenuation by a multifunctional carbazole-based cyanine in AD mice model through regulation of Ca2+/CaMKII/CREB signaling pathway. Experimental Neurology, 2020, 327, 113210.	2.0	8
44	Betaâ€Amyloid Oligomers: Amyloidâ€Î² Oligomerâ€Targeted Gadoliniumâ€Based NIR/MR Dualâ€Modal Theranostic Nanoprobe for Alzheimer's Disease (Adv. Funct. Mater. 16/2020). Advanced Functional Materials, 2020, 30, 2070101.	7.8	5
45	Highly-soluble multi-alkylated polymer semiconductors and applications in high-performance field-effect transistors. Journal of Materials Chemistry C, 2019, 7, 9591-9598.	2.7	10
46	Magnetoresistance and Spinterface of Organic Spin Valves Based on Diketopyrrolopyrrole Polymers. Advanced Electronic Materials, 2019, 5, 1900318.	2.6	12
47	Tuning Charge Carrier and Spin Transport Properties via Structural Modification of Polymer Semiconductors. ACS Applied Materials & Interfaces, 2019, 11, 30089-30097.	4.0	22
48	Primary Nucleation-Dominated Chemical Vapor Deposition Growth for Uniform Graphene Monolayers on Dielectric Substrate. Journal of the American Chemical Society, 2019, 141, 11004-11008.	6.6	52
49	Influence of Backbone Regioregularity on High-Mobility Conjugated Polymers Based on Alkylated Dithienylacrylonitrile. ACS Applied Materials & Interfaces, 2019, 11, 43416-43424.	4.0	11
50	Water-stable organic field-effect transistors based on naphthodithieno[3,2-b]thiophene derivatives. Journal of Materials Chemistry C, 2019, 7, 297-301.	2.7	9
51	8.78% Efficient Allâ€Polymer Solar Cells Enabled by Polymer Acceptors Based on a Bâ†N Embedded Electronâ€Deficient Unit. Advanced Materials, 2019, 31, e1904585.	11.1	113
52	Ethanediylidenebis(isoquinolinedione): A Six-Membered-Ring Diimide Building Block for Ambipolar Semiconducting Polymers. Macromolecules, 2019, 52, 8238-8247.	2.2	7
53	Multisubstituted Azaisoindigo-Based Polymers for High-Mobility Ambipolar Thin-Film Transistors and Inverters. ACS Applied Materials & Interfaces, 2019, 11, 34171-34177.	4.0	12
54	Small-molecule semiconductors containing dithienylacrylonitrile for high-performance organic field-effect transistors. Journal of Materials Chemistry C, 2019, 7, 11457-11464.	2.7	1

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55	High-performance ternary Ï€-conjugated copolymers containing diarylethylene units: synthesis, properties, and study of substituent effects on molecular aggregation and charge transport characteristics. Journal of Materials Chemistry C, 2019, 7, 362-370.	2.7	8
56	Highly sensitive quantification of Alzheimer's disease biomarkers by aptamer-assisted amplification. Theranostics, 2019, 9, 2939-2949.	4.6	44
57	Temperature-Modulated Optimization of High-Performance Polymer Solar Cells Based on Benzodithiopheneâ€“Difluorodialkylthienylâ€“Benzothiadiazole Copolymers: Aggregation Effect. Macromolecules, 2019, 52, 4447-4457.	2.2	11
58	Novel long-wavelength emissive lysosome-targeting ratiometric fluorescent probes for imaging in live cells. Analyst, The, 2019, 144, 4288-4294.	1.7	13
59	Direct immunomagnetic detection of low abundance cardiac biomarker by aptamer DNA nanocomplex. Sensors and Actuators B: Chemical, 2019, 291, 200-206.	4.0	9
60	Differentiation of Intracellular Hyaluronidase Isoform by Degradable Nanoassembly Coupled with RNA-Binding Fluorescence Amplification. Analytical Chemistry, 2019, 91, 6887-6893.	3.2	9
61	Tuning the pKa of two-photon bis-chromophoric probes for ratiometric fluorescence imaging of acidic pH in lysosomes. Talanta, 2019, 202, 34-41.	2.9	18
62	Realizing n-Type Field-Effect Performance via Introducing Trifluoromethyl Groups into the Donorâ€“Acceptor Copolymer Backbone. Macromolecules, 2019, 52, 2911-2921.	2.2	22
63	Semiconducting Properties and Geometry-Directed Self-Assembly of Heptacyclic Anthradithiophene Diimide-Based Polymers. Chemistry of Materials, 2019, 31, 2507-2515.	3.2	12
64	Recent Advances in Growth and Modification of Grapheneâ€Based Energy Materials: From Chemical Vapor Deposition to Reduction of Graphene Oxide. Small Methods, 2019, 3, 1900071.	4.6	26
65	Gas-Flow-Driven Aligned Growth of Graphene on Liquid Copper. Chemistry of Materials, 2019, 31, 1231-1236.	3.2	31
66	Versatile fluorescent probes for near-infrared imaging of amyloid-Î² species in Alzheimer's disease mouse model. Journal of Materials Chemistry B, 2019, 7, 1986-1995.	2.9	38
67	Highly Sensitive, Low Voltage Operation, and Low Power Consumption Resistive Strain Sensors Based on Vertically Oriented Graphene Nanosheets. Advanced Materials Technologies, 2019, 4, 1800572.	3.0	15
68	Nitrogen-embedded small-molecule semiconducting materials: Effect of chlorine atoms on their electrochemical, self-assembly, and carrier transport properties. Dyes and Pigments, 2019, 163, 615-622.	2.0	2
69	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells (Solar RRL 1â•2019). Solar Rrl, 2019, 3, 1970015.	3.1	1
70	Highâ€Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Airâ€Stable Efficient Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800232.	3.1	36
71	Amyloid-Î² Aggregation Inhibitory and Neuroprotective Effects of Xanthohumol and its Derivatives for Alzheimerâ€™s Diseases. Current Alzheimer Research, 2019, 16, 836-842.	0.7	11
72	Polymer Fieldâ€Effect Transistors: Wellâ€Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward Highâ€Performance Flexible Fieldâ€Effect Transistors (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		

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73	A naphthodithieno[3,2-b]thiophene-based copolymer as a novel third component in ternary polymer solar cells with a simultaneously enhanced open circuit voltage, short circuit current and fill factor. New Journal of Chemistry, 2018, 42, 5314-5322.	1.4	1
74	Dithienylmethanoneâ€Based Crossâ€Conjugated Polymer Semiconductors: Synthesis, Characterization, and Application in Fieldâ€Effect Transistors. Journal of Polymer Science Part A, 2018, 56, 1012-1019.	2.5	5
75	A two-photon ratiometric fluorescent probe for effective monitoring of lysosomal pH in live cells and cancer tissues. Sensors and Actuators B: Chemical, 2018, 262, 913-921.	4.0	51
76	[(18â€Crownâ€6)K][Fe(1)Cl(1)₄]_{0.5}[Fe(2)Cl(2)₄]_{0.5}: A Multifunctional Molecular Switch of Dielectric, Conductivity and Magnetic Properties. Chemistry - an Asian Journal, 2018, 13, 656-663.	1.7	9
77	Wellâ€Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward Highâ€Performance Flexible Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, 1705286.	11.1	70
78	Effects of Different Unsaturatedâ€Linkerâ€Containing Donors on Electronic Properties of Benzobisthiadiazoleâ€Based Copolymers. Macromolecular Chemistry and Physics, 2018, 219, 1700474.	1.1	7
79	Band Engineering via Snâ€doping of Zinc Oxide Electron Transport Materials for Perovskite Solar Cells. ChemistrySelect, 2018, 3, 363-367.	0.7	9
80	Synthesis and characterization of novel push-pull oligomer based on naphthodithiophene-benzothiodiazole for OFETs application. Tetrahedron Letters, 2018, 59, 641-644.	0.7	2
81	Synthesis of an indacenodithiophene-based fully conjugated ladder polymer and its optical and electronic properties. Polymer Chemistry, 2018, 9, 2227-2231.	1.9	12
82	Highly Ï€-extended copolymer as additive-free hole-transport material for perovskite solar cells. Nano Research, 2018, 11, 185-194.	5.8	24
83	Bayâ€annulated indigo based nearâ€infrared sensitive polymer for organic solar cells. Journal of Polymer Science Part A, 2018, 56, 213-220.	2.5	6
84	Magnetically controlled immunosensor for highly sensitive detection of carcinoembryonic antigen based on an efficient â€œturn-onâ€•cyanine fluorophore. Sensors and Actuators B: Chemical, 2018, 258, 133-140.	4.0	9
85	Threeâ€Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 192-197.	7.2	106
86	Ambipolar charge transport in an organic/inorganic van der Waals pâ€“n heterojunction. Journal of Materials Chemistry C, 2018, 6, 12976-12980.	2.7	12
87	Chalcogenophene-Sensitive Charge Carrier Transport Properties in Aâ€“Dâ€“Aâ€²â€²â€“D Type NBDO-Based Copolymers for Flexible Field-Effect Transistors. Macromolecules, 2018, 51, 8662-8671.	2.2	12
88	Donorâ€“Acceptor Conjugated Copolymers Containing Difluorothienylethylene-Bridged Methyleneoxindole or Methyleneazaoxindole Acceptor Units: Synthesis, Properties, and Their Application in Field-Effect Transistors. Macromolecules, 2018, 51, 7093-7103.	2.2	20
89	High-performance organic field-effect transistors based on organic single crystal microribbons fabricated by an in situ annealing method. Materials Chemistry Frontiers, 2018, 2, 2026-2031.	3.2	3
90	Benzodithiopheneâ€“Dithienylbenzothiadiazole Copolymers for Efficient Polymer Solar Cells: Side-Chain Effect on Photovoltaic Performance. ACS Applied Materials & Interfaces, 2018, 10, 34355-34362.	4.0	10

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91	Liquid catalysts: an innovative solution to 2D materials in CVD processes. Materials Horizons, 2018, 5, 1021-1034.	6.4	19
92	Structure-property relationships of benzo[2,1- b :3,4- b â€™] bis [1]benzothiophenes for organic field effect transistors. Tetrahedron Letters, 2018, 59, 2717-2721.	0.7	3
93	Effective Theranostic Cyanine for Imaging of Amyloid Species in Vivo and Cognitive Improvements in Mouse Model. ACS Omega, 2018, 3, 6812-6819.	1.6	28
94	A Zero Cross-Talk Ratiometric Two-Photon Probe for Imaging of Acid pH in Living Cells and Tissues and Early Detection of Tumor in Mouse Model. Analytical Chemistry, 2018, 90, 8800-8806.	3.2	41
95	Bioimaging: Dualâ€Modal NIRâ€Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloidâ€Î² Species In Vivo (Small 28/2018). Small, 2018, 14, 1870130.	5.2	13
96	Novel electron-deficient quinoxalinedithienothiophene- and phenazinedithienothiophene-based photosensitizers: The effect of conjugation expansion on DSSC performance. Dyes and Pigments, 2018, 159, 107-114.	2.0	17
97	Dualâ€Modal NIRâ€Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloidâ€Î² Species In Vivo. Small, 2018, 14, e1800901.	5.2	38
98	Novel Hollow Graphene Flowers Synthesized by Cuâ€Assisted Chemical Vapor Deposition. Advanced Materials Interfaces, 2018, 5, 1800347.	1.9	4
99	Sensitivity enhancement of graphene Hall sensors modified by single-molecule magnets at room temperature. RSC Advances, 2017, 7, 1776-1781.	1.7	10
100	Efficient Semisynthesis of (â˜')-Pseudoirroratin A from (â˜')-Flexicaulin A and Assessment of Their Antitumor Activities. ACS Medicinal Chemistry Letters, 2017, 8, 372-376.	1.3	4
101	Robust microscale superlubricity under high contact pressure enabled by graphene-coated microsphere. Nature Communications, 2017, 8, 14029.	5.8	235
102	Vinylidenedithiophenmethyleneoxindole-based donor-acceptor copolymers with 1D and 2D conjugated backbones: Synthesis, characterization, and their photovoltaic properties. Dyes and Pigments, 2017, 144, 1-8.	2.0	4
103	Tuning Frontier Orbital Energetics of Azaisoindigoâ€Based Polymeric Semiconductors to Enhance the Chargeâ€Transport Properties. Advanced Electronic Materials, 2017, 3, 1700078.	2.6	34
104	Ultra-sensitive detection of protein biomarkers for diagnosis of Alzheimerâ€™s disease. Chemical Science, 2017, 8, 4012-4018.	3.7	44
105	Rational design of diarylethyleneâ€based polymeric semiconductors for highâ€performance organic fieldâ€effect transistors. Journal of Polymer Science Part A, 2017, 55, 585-603.	2.5	15
106	Bisâ€Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. Advanced Materials, 2017, 29, 1606162.	11.1	99
107	Microstructure engineering of polymer semiconductor thin films for high-performance field-effect transistors using a bi-component processing solution. Journal of Materials Chemistry C, 2017, 5, 3568-3578.	2.7	13
108	Metal-free photosensitizers based on benzodithienothiophene as Ï€-conjugated spacer for dye-sensitized solar cells. Organic Electronics, 2017, 42, 275-283.	1.4	16

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109	Ambipolar tetrafluorodiphenylethene-based donorâ€“acceptor copolymers: synthesis, properties, backbone conformation and fluorine-induced conformational locks. Polymer Chemistry, 2017, 8, 879-889.	1.9	12
110	Fluoro-substituted cyanine for reliablein vivolabelling of amyloid-Î² oligomers and neuroprotection against amyloid-Î² induced toxicity. Chemical Science, 2017, 8, 8279-8284.	3.7	54
111	Alkyl chain engineering of pyrene-fused perylene diimides: impact on transport ability and microfiber self-assembly. Materials Chemistry Frontiers, 2017, 1, 2341-2348.	3.2	23
112	Hydrogen Peroxideâ€Induced Oxidative Dimerization of Wittig Reagents: Improving the Selectivity, Yield and Expanding to the Aryl System. ChemistrySelect, 2017, 2, 7273-7277.	0.7	2
113	Novel vinylene-bridged donorâ€“acceptor copolymers: synthesis, characterization, properties and effect of cyano substitution. Materials Chemistry Frontiers, 2017, 1, 2103-2110.	3.2	1
114	Fluorinated Dithienyletheneâ€“Naphthalenediimide Copolymers for High-Mobility n-Channel Field-Effect Transistors. Macromolecules, 2017, 50, 6098-6107.	2.2	48
115	Regioirregular ambipolar naphthalenediimideâ€based alternating polymers: Synthesis, characterization, and application in fieldâ€effect transistors. Journal of Polymer Science Part A, 2017, 55, 3627-3635.	2.5	14
116	Fieldâ€Effect Transistors: Tuning Frontier Orbital Energetics of Azaisoindigoâ€Based Polymeric Semiconductors to Enhance the Chargeâ€Transport Properties (Adv. Electron. Mater. 11/2017). Advanced Electronic Materials, 2017, 3, .	2.6	0
117	Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. Chemical Science, 2017, 8, 340-347.	3.7	59
118	Direct CVD Graphene Growth on Semiconductors and Dielectrics for Transferâ€Free Device Fabrication. Advanced Materials, 2016, 28, 4956-4975.	11.1	113
119	Incorporation of Hexaâ€periâ€hexabenzocoronene (HBC) into Carbazoleâ€“Benzoâ€2,1,3â€thiadiazole Copolymers to Improve Hole Mobility and Photovoltaic Performance. Chemistry - an Asian Journal, 2016, 11, 766-774.	1.7	4
120	Mitochondrial Delivery of Therapeutic Agents by Amphiphilic DNA Nanocarriers. Small, 2016, 12, 770-781.	5.2	31
121	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. Advanced Materials, 2016, 28, 2609-2615.	11.1	77
122	Carbazole-based two-photon fluorescent probe for selective imaging of mitochondrial hydrogen peroxide in living cells and tissues. RSC Advances, 2016, 6, 115298-115302.	1.7	16
123	Thiazole-Flanked Diketopyrrolopyrrole Polymeric Semiconductors for Ambipolar Field-Effect Transistors with Balanced Carrier Mobilities. ACS Applied Materials & Interfaces, 2016, 8, 34725-34734.	4.0	39
124	P1â€289: Nearâ€Infrared Imaging of Î²â€Amyloid Species/Plaques in Animal Model. Alzheimer's and Dementia, 2016, 12, P531.	0.4	0
125	Fluorodiphenylethene-Containing Donorâ€“Acceptor Conjugated Copolymers with Noncovalent Conformational Locks for Efficient Polymer Field-Effect Transistors. Macromolecules, 2016, 49, 2582-2591.	2.2	47
126	A theranostic agent for inÂvivo near-infrared imaging of Î²-amyloid species and inhibition of Î²-amyloid aggregation. Biomaterials, 2016, 94, 84-92.	5.7	79

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127	Naphthodithieno[3,2-b]thiophene-based donor-acceptor copolymers: Synthesis, characterization, and their photovoltaic and charge transport properties. Dyes and Pigments, 2016, 131, 1-8.	2.0	8
128	Approaching high charge carrier mobility by alkylating both donor and acceptor units at the optimized position in conjugated polymers. Polymer Chemistry, 2016, 7, 4046-4053.	1.9	25
129	Highly planar thieno[3,2-b]thiophene-diketopyrrolopyrrole-containing polymers for organic field-effect transistors. RSC Advances, 2016, 6, 35394-35401.	1.7	16
130	A novel fluorescent probe for sensing and imaging extreme acidity. Sensors and Actuators B: Chemical, 2016, 234, 534-540.	4.0	13
131	Tracking the Evolution of Polymer Interface Films during the Process of Thermal Annealing at the Domain and Single Molecular Levels using Scanning Tunneling Microscopy. Langmuir, 2016, 32, 9437-9444.	1.6	6
132	Highly planar cross-conjugated alternating polymers with multiple conformational locks: synthesis, characterization and their field-effect properties. Journal of Materials Chemistry C, 2016, 4, 9266-9275.	2.7	31
133	Benzothiophene-flanked diketopyrrolopyrrole polymers: impact of isomeric frameworks on carrier mobilities. RSC Advances, 2016, 6, 83448-83455.	1.7	10
134	Controlled assembly of SiO_x nanoparticles in graphene. Materials Horizons, 2016, 3, 568-574.	6.4	8
135	Chemical vapor deposition of bilayer graphene with layer-resolved growth through dynamic pressure control. Journal of Materials Chemistry C, 2016, 4, 7464-7471.	2.7	28
136	Highly Efficient Multiphotonâ€Pumped Frequencyâ€Upconversion Stimulated Blue Emission with Ultralow Threshold from Highly Extended Ladderâ€Type Oligo(pâ€phenylene)s. Angewandte Chemie - International Edition, 2016, 55, 10639-10644.	7.2	15
137	Largeâ€Area Growth of Fiveâ€Lobed and Triangular Graphene Grains on Textured Cu Substrate. Advanced Materials Interfaces, 2016, 3, 1600347.	1.9	15
138	Highly coplanar bis(thiazol-2-yl)-diketopyrrolopyrrole based donorâ€“acceptor copolymers for ambipolar field effect transistors. RSC Advances, 2016, 6, 78008-78016.	1.7	16
139	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 18852-18856.	5.2	44
140	Highly Efficient Multiphotonâ€Pumped Frequencyâ€Upconversion Stimulated Blue Emission with Ultralow Threshold from Highly Extended Ladderâ€Type Oligo(pâ€phenylene)s. Angewandte Chemie, 2016, 128, 10797-10802.	1.6	6
141	A novel pH fluorescent probe based on indocyanine for imaging of living cells. Dyes and Pigments, 2016, 126, 224-231.	2.0	22
142	Vinylidenedithiophenmethyleneoxindole: a centrosymmetric building block for donorâ€“acceptor copolymers. Polymer Chemistry, 2016, 7, 1413-1421.	1.9	25
143	Diazaisoindigo-Based Polymers with High-Performance Charge-Transport Properties: From Computational Screening to Experimental Characterization. Chemistry of Materials, 2016, 28, 2209-2218.	3.2	110
144	Benzobisthiadiazole-alt-bithiazole copolymers with deep HOMO levels for good-performance field-effect transistors with air stability and a high on/off ratio. Polymer Chemistry, 2016, 7, 2808-2814.	1.9	22

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145	Effect of fluorine substitution on naphtho[2,1-b:3,4-bâ€²]bis[1]-benzothiophene-derived semiconductors for transistor application. Organic Electronics, 2016, 32, 47-53.	1.4	7
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