Man Shing Wong

List of Publications by Year in Descending Order

401 papers	15,289 citations	61 h-index	107 g-index
419 ext. papers	16,708 ext. citations	8.3 avg, IF	6.6 L-index

#	Paper	IF	Citations
401	-Glutamyl transpeptidase-activated indole-quinolinium based cyanine as a fluorescence turn-on nucleolus-targeting probe for cancer cell detection and inhibition. *Talanta*, **2022**, 237, 122898	6.2	2
400	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models.. *Redox Biology*, **2022**, 51, 102280	11.3	2
399	growth of large-area and self-aligned graphene nanoribbon arrays on liquid metal.. *National Science Review*, **2021**, 8, nwaa298	10.8	3
398	Continuous orientated growth of scaled single-crystal 2D monolayer films. *Nanoscale Advances*, **2021**, 3, 6545-6567	5.1	0
397	Developing Graphene-Based Moir Heterostructures for Twistronics. *Advanced Science*, **2021**, 9, e2103170	13.6	4
396	Semiconducting Polymers Based on Isoindigo and Its Derivatives: Synthetic Tactics, Structural Modifications, and Applications. *Advanced Functional Materials*, **2021**, 31, 2010979	15.6	15
395	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	9.6	10
394	Innovation of Materials, Devices, and Functionalized Interfaces in Organic Spintronics. *Advanced Functional Materials*, **2021**, 31, 2100550	15.6	12
393	Indolo[3,2,1-jk]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-blue Electroluminescence with EQE 4.7 % and CIEy 0.085. *Angewandte Chemie*, **2021**, 133, 12377-12381	3.6	6
392	Multimodal Theranostic Cyanine-Conjugated Gadolinium(III) Complex for Imaging of Amyloid- in an Alzheimer's Disease Mouse Model. *ACS Applied Materials & Interfaces*, **2021**, 13, 18525-18532	9.5	5
391	Indolo[3,2,1-jk]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-blue Electroluminescence with EQE 4.7 % and CIE 0.085. *Angewandte Chemie - International Edition*, **2021**, 60, 12269-12273	16.4	26
390	Incorporation of Cyano-Substituted Aromatic Blocks into Naphthalene Diimide-Based Copolymers: Toward Unipolar n-Channel Field-Effect Transistors. *Small Science*, **2021**, 1, 2100016		0
389	Recent Advances in Growth of Large-Sized 2D Single Crystals on Cu Substrates. *Advanced Materials*, **2021**, 33, e2003956	24	16
388	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	7.1	5
387	Amyloid- oligomer targeted theranostic probes for in vivo NIR imaging and inhibition of self-aggregation and amyloid- induced ROS generation. *Talanta*, **2021**, 224, 121830	6.2	5
386	Recent progress in quinoidal semiconducting polymers: structural evolution and insight. *Materials Chemistry Frontiers*, **2021**, 5, 76-96	7.8	7
385	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	4.9	3

384	A minireview on chemical vapor deposition growth of wafer-scale monolayer -BN single crystals. *Nanoscale*, **2021**, 13, 17310-17317	7.7	1
383	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	9.4	9
382	Fabrication Strategies of Twisted Bilayer Graphenes and Their Unique Properties. *Advanced Materials*, **2021**, 33, e2004974	24	13
381	Preparation Engineering of Two-Dimensional Heterostructures Bottom-Up Growth for Device Applications. *ACS Nano*, **2021**,	16.7	4
380	Controllable Synthesis and Performance Modulation of 2D Covalent-Organic Frameworks. *Small*, **2021**, 17, e2100918	11	7
379	2D Organic Radical Conjugated Skeletons with Paramagnetic Behaviors. *Advanced Materials Interfaces*, **2021**, 8, 2100943	4.6	0
378	Synergy between Fermi Level of Graphene and Morphology of Polymer Film Allows Broadband or Wavelength-Sensitive Photodetection. *Advanced Materials Interfaces*, **2021**, 8, 2100770	4.6	1
377	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	4.9	6
376	Remarkable effect of skeleton conformation in finitely conjugated polymer semiconductors. *Journal of Materials Chemistry C*, **2020**, 8, 9055-9063	7.1	0
375	Hypoxia imaging in living cells, tissues and zebrafish with a nitroreductase-specific fluorescent probe. *Analyst, The*, **2020**, 145, 5657-5663	5	7
374	Amyloid- Oligomer-Targeted Gadolinium-Based NIR/MR Dual-Modal Theranostic Nanoprobe for Alzheimer's Disease. *Advanced Functional Materials*, **2020**, 30, 1909529	15.6	14
373	High-Electron Mobility Tetrafluoroethylene-Containing Semiconducting Polymers. *Chemistry of Materials*, **2020**, 32, 2330-2340	9.6	9
372	Cognitive improvement and synaptic deficit attenuation by a multifunctional carbazole-based cyanine in AD mice model through regulation of Ca/CaMKII/CREB signaling pathway. *Experimental Neurology*, **2020**, 327, 113210	5.7	2
371	Beta-Amyloid Oligomers: Amyloid- Oligomer-Targeted Gadolinium-Based NIR/MR Dual-Modal Theranostic Nanoprobe for Alzheimer's Disease (Adv. Funct. Mater. 16/2020). *Advanced Functional Materials*, **2020**, 30, 2070101	15.6	1
370	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	7.1	3
369	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	4	5
368	Modified Engineering of Graphene Nanoribbons Prepared via On-Surface Synthesis. *Advanced Materials*, **2020**, 32, e1905957	24	36
367	A benzothiazolium-based fluorescent probe with ideal pK for mitochondrial pH imaging and cancer cell differentiation. *Journal of Materials Chemistry B*, **2020**, 8, 10586-10592	7.3	3

366	Polydopamine Film Self-Assembled at Air/Water Interface for Organic Electronic Memory Devices. *Advanced Materials Interfaces*, **2020**, 7, 2000979	4.6	4
365	Negative Magnetoresistance Behavior in Polymer Spin Valves Based on Donor–Acceptor Conjugated Molecules. *Advanced Materials Interfaces*, **2020**, 7, 2000868	4.6	3
364	Deep Red Blinking Fluorophore for Nanoscopic Imaging and Inhibition of β-Amyloid Peptide Fibrillation. *ACS Nano*, **2020**, 14, 11341-11351	16.7	7
363	The ratiometric fluorescent probe with high quantum yield for quantitative imaging of intracellular pH. *Talanta*, **2020**, 208, 120279	6.2	11
362	8.78% Efficient All-Polymer Solar Cells Enabled by Polymer Acceptors Based on a B<-N Embedded Electron-Deficient Unit. *Advanced Materials*, **2019**, 31, e1904585	24	74
361	Ethanediylidenebis(isoquinolinedione): A Six-Membered-Ring Diimide Building Block for Ambipolar Semiconducting Polymers. *Macromolecules*, **2019**, 52, 8238-8247	5.5	4
360	Multisubstituted Azaisoindigo-Based Polymers for High-Mobility Ambipolar Thin-Film Transistors and Inverters. *ACS Applied Materials & Interfaces*, **2019**, 11, 34171-34177	9.5	8
359	Small-molecule semiconductors containing dithienylacrylonitrile for high-performance organic field-effect transistors. *Journal of Materials Chemistry C*, **2019**, 7, 11457-11464	7.1	0
358	High-performance ternary π-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	7.1	4
357	Highly sensitive quantification of Alzheimer's disease biomarkers by aptamer-assisted amplification. *Theranostics*, **2019**, 9, 2939-2949	12.1	26
356	Temperature-Modulated Optimization of High-Performance Polymer Solar Cells Based on Benzodithiophene–Difluorodialkylthienyl–Benzothiadiazole Copolymers: Aggregation Effect. *Macromolecules*, **2019**, 52, 4447-4457	5.5	10
355	Novel long-wavelength emissive lysosome-targeting ratiometric fluorescent probes for imaging in live cells. *Analyst, The*, **2019**, 144, 4288-4294	5	9
354	Direct immunomagnetic detection of low abundance cardiac biomarker by aptamer DNA nanocomplex. *Sensors and Actuators B: Chemical*, **2019**, 291, 200-206	8.5	6
353	Differentiation of Intracellular Hyaluronidase Isoform by Degradable Nanoassembly Coupled with RNA-Binding Fluorescence Amplification. *Analytical Chemistry*, **2019**, 91, 6887-6893	7.8	5
352	Tuning the pK of two-photon bis-chromophoric probes for ratiometric fluorescence imaging of acidic pH in lysosomes. *Talanta*, **2019**, 202, 34-41	6.2	9
351	Realizing n-Type Field-Effect Performance via Introducing Trifluoromethyl Groups into the Donor–Acceptor Copolymer Backbone. *Macromolecules*, **2019**, 52, 2911-2921	5.5	14
350	Semiconducting Properties and Geometry-Directed Self-Assembly of Heptacyclic Anthradithiophene Diimide-Based Polymers. *Chemistry of Materials*, **2019**, 31, 2507-2515	9.6	9
349	Recent Advances in Growth and Modification of Graphene-Based Energy Materials: From Chemical Vapor Deposition to Reduction of Graphene Oxide. *Small Methods*, **2019**, 3, 1900071	12.8	18

348	Highly-soluble multi-alkylated polymer semiconductors and applications in high-performance field-effect transistors. *Journal of Materials Chemistry C*, **2019**, 7, 9591-9598	7.1	7
347	Magnetoresistance and Spinterface of Organic Spin Valves Based on Diketopyrrolopyrrole Polymers. *Advanced Electronic Materials*, **2019**, 5, 1900318	6.4	8
346	Tuning Charge Carrier and Spin Transport Properties via Structural Modification of Polymer Semiconductors. *ACS Applied Materials & Interfaces*, **2019**, 11, 30089-30097	9.5	13
345	Primary Nucleation-Dominated Chemical Vapor Deposition Growth for Uniform Graphene Monolayers on Dielectric Substrate. *Journal of the American Chemical Society*, **2019**, 141, 11004-11008	16.4	35
344	Influence of Backbone Regioregularity on High-Mobility Conjugated Polymers Based on Alkylated Dithienylacrylonitrile. *ACS Applied Materials & Interfaces*, **2019**, 11, 43416-43424	9.5	5
343	Water-stable organic field-effect transistors based on naphthodithieno[3,2-b]thiophene derivatives. *Journal of Materials Chemistry C*, **2019**, 7, 297-301	7.1	7
342	Amyloid-Aggregation Inhibitory and Neuroprotective Effects of Xanthohumol and its Derivatives for Alzheimer's Diseases. *Current Alzheimer Research*, **2019**, 16, 836-842	3	6
341	Gas-Flow-Driven Aligned Growth of Graphene on Liquid Copper. *Chemistry of Materials*, **2019**, 31, 1231-1236	9.6	24
340	Versatile fluorescent probes for near-infrared imaging of amyloid-species in Alzheimer's disease mouse model. *Journal of Materials Chemistry B*, **2019**, 7, 1986-1995	7.3	22
339	Highly Sensitive, Low Voltage Operation, and Low Power Consumption Resistive Strain Sensors Based on Vertically Oriented Graphene Nanosheets. *Advanced Materials Technologies*, **2019**, 4, 1800572	6.8	9
338	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	4.6	2
337	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells (Solar RRL 12019). *Solar Rrl*, **2019**, 3, 1970015	7.1	1
336	High-Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Air-Stable Efficient Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1800232	7.1	24
335	Polymer Field-Effect Transistors: Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors (Adv. Mater. 9/2018). *Advanced Materials*, **2018**, 30, 1870061	24	
334	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	3.6	
333	Dithienylmethanone-Based Cross-Conjugated Polymer Semiconductors: Synthesis, Characterization, and Application in Field-Effect Transistors. *Journal of Polymer Science Part A*, **2018**, 56, 1012-1019	2.5	4
332	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	8.5	37
331	[(18-Crown-6)K][Fe(1)Cl(1)] [Fe(2)Cl(2)] : A Multifunctional Molecular Switch of Dielectric, Conductivity and Magnetic Properties. *Chemistry - an Asian Journal*, **2018**, 13, 656-663	4.5	6

330	Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors. *Advanced Materials*, **2018**, 30, 1705286	24	57
329	Effects of Different Unsaturated-Linker-Containing Donors on Electronic Properties of Benzobisthiadiazole-Based Copolymers. *Macromolecular Chemistry and Physics*, **2018**, 219, 1700474	2.6	4
328	Band Engineering via Sn-doping of Zinc Oxide Electron Transport Materials for Perovskite Solar Cells. *ChemistrySelect*, **2018**, 3, 363-367	1.8	8
327	Synthesis and characterization of novel push-pull oligomer based on naphthodithiophene-benzothiodiazole for OFETs application. *Tetrahedron Letters*, **2018**, 59, 641-644	2	1
326	Synthesis of an indacenodithiophene-based fully conjugated ladder polymer and its optical and electronic properties. *Polymer Chemistry*, **2018**, 9, 2227-2231	4.9	7
325	Highly □extended copolymer as additive-free hole-transport material for perovskite solar cells. *Nano Research*, **2018**, 11, 185-194	10	21
324	Bioimaging: Dual-Modal NIR-Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloid-□ Species In Vivo (Small 28/2018). *Small*, **2018**, 14, 1870130	11	6
323	Novel electron-deficient quinoxalinedithienothiophene- and phenazinedithienothiophene-based photosensitizers: The effect of conjugation expansion on DSSC performance. *Dyes and Pigments*, **2018**, 159, 107-114	4.6	13
322	Dual-Modal NIR-Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloid-□Species In Vivo. *Small*, **2018**, 14, e1800901	11	26
321	Novel Hollow Graphene Flowers Synthesized by Cu-Assisted Chemical Vapor Deposition. *Advanced Materials Interfaces*, **2018**, 5, 1800347	4.6	4
320	Bay-annulated indigo based near-infrared sensitive polymer for organic solar cells. *Journal of Polymer Science Part A*, **2018**, 56, 213-220	2.5	6
319	Magnetically controlled immunosensor for highly sensitive detection of carcinoembryonic antigen based on an efficient □turn-on□cyanine fluorophore. *Sensors and Actuators B: Chemical*, **2018**, 258, 133-140	8.5	8
318	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2018**, 57, 192-197	16.4	82
317	Ambipolar charge transport in an organic/inorganic van der Waals p□ heterojunction. *Journal of Materials Chemistry C*, **2018**, 6, 12976-12980	7.1	11
316	Chalcogenophene-Sensitive Charge Carrier Transport Properties in A□D□A??□D Type NBDO-Based Copolymers for Flexible Field-Effect Transistors. *Macromolecules*, **2018**, 51, 8662-8671	5.5	11
315	Donor□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	5.5	16
314	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	7.8	0
313	Benzodithiophene-Dithienylbenzothiadiazole Copolymers for Efficient Polymer Solar Cells: Side-Chain Effect on Photovoltaic Performance. *ACS Applied Materials & Interfaces*, **2018**, 10, 34355-34362	9.5	8

312	Liquid catalysts: an innovative solution to 2D materials in CVD processes. *Materials Horizons*, **2018**, 5, 1021-1034	14.4	17
311	Structure-property relationships of benzo[2,1-b:3,4-b′]bis[1]benzothiophenes for organic field effect transistors. *Tetrahedron Letters*, **2018**, 59, 2717-2721	2	2
310	Effective Theranostic Cyanine for Imaging of Amyloid Species in Vivo and Cognitive Improvements in Mouse Model. *ACS Omega*, **2018**, 3, 6812-6819	3.9	16
309	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	7.8	27
308	Sensitivity enhancement of graphene Hall sensors modified by single-molecule magnets at room temperature. *RSC Advances*, **2017**, 7, 1776-1781	3.7	8
307	Efficient Semisynthesis of (-)-Pseudoirroratin A from (-)-Flexicaulin A and Assessment of Their Antitumor Activities. *ACS Medicinal Chemistry Letters*, **2017**, 8, 372-376	4.3	4
306	Robust microscale superlubricity under high contact pressure enabled by graphene-coated microsphere. *Nature Communications*, **2017**, 8, 14029	17.4	176
305	Vinylidenedithiophenmethyleneoxindole-based donor-acceptor copolymers with 1D and 2D conjugated backbones: Synthesis, characterization, and their photovoltaic properties. *Dyes and Pigments*, **2017**, 144, 1-8	4.6	3
304	Tuning Frontier Orbital Energetics of Azaisoindigo-Based Polymeric Semiconductors to Enhance the Charge-Transport Properties. *Advanced Electronic Materials*, **2017**, 3, 1700078	6.4	27
303	Ultra-sensitive detection of protein biomarkers for diagnosis of Alzheimer's disease. *Chemical Science*, **2017**, 8, 4012-4018	9.4	22
302	Rational design of diarylethylene-based polymeric semiconductors for high-performance organic field-effect transistors. *Journal of Polymer Science Part A*, **2017**, 55, 585-603	2.5	12
301	Bis-Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. *Advanced Materials*, **2017**, 29, 1606162	24	82
300	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	7.1	12
299	Metal-free photosensitizers based on benzodithienothiophene as π-conjugated spacer for dye-sensitized solar cells. *Organic Electronics*, **2017**, 42, 275-283	3.5	11
298	Ambipolar tetrafluorodiphenylethene-based donor–acceptor copolymers: synthesis, properties, backbone conformation and fluorine-induced conformational locks. *Polymer Chemistry*, **2017**, 8, 879-889	4.9	10
297	Fluoro-substituted cyanine for reliable labelling of amyloid-β oligomers and neuroprotection against amyloid-β induced toxicity. *Chemical Science*, **2017**, 8, 8279-8284	9.4	32
296	Alkyl chain engineering of pyrene-fused perylene diimides: impact on transport ability and microfiber self-assembly. *Materials Chemistry Frontiers*, **2017**, 1, 2341-2348	7.8	18
295	Hydrogen Peroxide-Induced Oxidative Dimerization of Wittig Reagents: Improving the Selectivity, Yield and Expanding to the Aryl System. *ChemistrySelect*, **2017**, 2, 7273-7277	1.8	1

294	Novel vinylene-bridged donor–acceptor copolymers: synthesis, characterization, properties and effect of cyano substitution. *Materials Chemistry Frontiers*, **2017**, 1, 2103-2110	7.8	1
293	Fluorinated Dithienylethene–Naphthalenediimide Copolymers for High-Mobility n-Channel Field-Effect Transistors. *Macromolecules*, **2017**, 50, 6098-6107	5.5	37
292	Regioirregular ambipolar naphthalenediimide-based alternating polymers: Synthesis, characterization, and application in field-effect transistors. *Journal of Polymer Science Part A*, **2017**, 55, 3627-3635	2.5	12
291	Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. *Chemical Science*, **2017**, 8, 340-347	9.4	47
290	Large-Area Growth of Five-Lobed and Triangular Graphene Grains on Textured Cu Substrate. *Advanced Materials Interfaces*, **2016**, 3, 1600347	4.6	13
289	Highly coplanar bis(thiazol-2-yl)-diketopyrrolopyrrole based donor–acceptor copolymers for ambipolar field effect transistors. *RSC Advances*, **2016**, 6, 78008-78016	3.7	16
288	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 18852-18856	13	37
287	Highly Efficient Multiphoton-Pumped Frequency-Upconversion Stimulated Blue Emission with Ultralow Threshold from Highly Extended Ladder-Type Oligo(p-phenylene)s. *Angewandte Chemie*, **2016**, 128, 10797-10802	3.6	5
286	A novel pH fluorescent probe based on indocyanine for imaging of living cells. *Dyes and Pigments*, **2016**, 126, 224-231	4.6	18
285	Vinylidenedithiophenmethyleneoxindole: a centrosymmetric building block for donor–acceptor copolymers. *Polymer Chemistry*, **2016**, 7, 1413-1421	4.9	24
284	Diazaisoindigo-Based Polymers with High-Performance Charge-Transport Properties: From Computational Screening to Experimental Characterization. *Chemistry of Materials*, **2016**, 28, 2209-2218	9.6	95
283	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	4.9	17
282	Effect of fluorine substitution on naphtho[2,1-b:3,4-b?]bis[1]-benzothiophene-derived semiconductors for transistor application. *Organic Electronics*, **2016**, 32, 47-53	3.5	7
281	Magnetism of N-doped graphene nanoribbons with zigzag edges from bottom-up fabrication. *RSC Advances*, **2016**, 6, 10017-10023	3.7	11
280	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. *Analytical Chemistry*, **2016**, 88, 1908-14	7.8	157
279	Monodisperse macromolecules based on benzodithiophene and diketopyrrolopyrrole with strong NIR absorption and high mobility. *Journal of Materials Chemistry C*, **2016**, 4, 3781-3791	7.1	22
278	Direct and multiplex quantification of protein biomarkers in serum samples using an immuno-magnetic platform. *Chemical Science*, **2016**, 7, 2695-2700	9.4	25
277	Direct CVD Graphene Growth on Semiconductors and Dielectrics for Transfer-Free Device Fabrication. *Advanced Materials*, **2016**, 28, 4956-75	24	90

276	Incorporation of Hexa-peri-hexabenzocoronene (HBC) into Carbazole-Benzo-2,1,3-thiadiazole Copolymers to Improve Hole Mobility and Photovoltaic Performance. *Chemistry - an Asian Journal*, **2016**, 11, 766-74	4.5	1
275	Mitochondrial Delivery of Therapeutic Agents by Amphiphilic DNA Nanocarriers. *Small*, **2016**, 12, 770-81	11	28
274	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. *Advanced Materials*, **2016**, 28, 2609-15	24	46
273	Carbazole-based two-photon fluorescent probe for selective imaging of mitochondrial hydrogen peroxide in living cells and tissues. *RSC Advances*, **2016**, 6, 115298-115302	3.7	13
272	Thiazole-Flanked Diketopyrrolopyrrole Polymeric Semiconductors for Ambipolar Field-Effect Transistors with Balanced Carrier Mobilities. *ACS Applied Materials & Interfaces*, **2016**, 8, 34725-34734	8.5	33
271	P1-289: Near-Infrared Imaging of Amyloid Species/Plaques in Animal Model **2016**, 12, P531-P531		
270	Fluorodiphenylethene-Containing Donor–Acceptor Conjugated Copolymers with Noncovalent Conformational Locks for Efficient Polymer Field-Effect Transistors. *Macromolecules*, **2016**, 49, 2582-2591	5.5	41
269	A theranostic agent for in vivo near-infrared imaging of amyloid species and inhibition of amyloid aggregation. *Biomaterials*, **2016**, 94, 84-92	15.6	54
268	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	4.6	6
267	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	4.9	23
266	Highly planar thieno[3,2-b]thiophene-diketopyrrolopyrrole-containing polymers for organic field-effect transistors. *RSC Advances*, **2016**, 6, 35394-35401	3.7	14
265	A novel fluorescent probe for sensing and imaging extreme acidity. *Sensors and Actuators B: Chemical*, **2016**, 234, 534-540	8.5	9
264	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, 9437-44	4	6
263	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	7.1	28
262	Benzothiophene-flanked diketopyrrolopyrrole polymers: impact of isomeric frameworks on carrier mobilities. *RSC Advances*, **2016**, 6, 83448-83455	3.7	10
261	Controlled assembly of SiOx nanoparticles in graphene. *Materials Horizons*, **2016**, 3, 568-574	14.4	8
260	Chemical vapor deposition of bilayer graphene with layer-resolved growth through dynamic pressure control. *Journal of Materials Chemistry C*, **2016**, 4, 7464-7471	7.1	19
259	Highly Efficient Multiphoton-Pumped Frequency-Upconversion Stimulated Blue Emission with Ultralow Threshold from Highly Extended Ladder-Type Oligo(p-phenylene)s. *Angewandte Chemie - International Edition*, **2016**, 55, 10639-44	16.4	12

258	Naphtho[2,1-b:3,4-b?]bisthieno[3,2-b][1]benzothiophene-based semiconductors for organic field-effect transistors. *Journal of Materials Chemistry C*, **2015**, 3, 8024-8029	7.1	7
257	High-performance polymer field-effect transistors fabricated with low-bandgap DPP-based semiconducting materials. *Polymer Chemistry*, **2015**, 6, 6457-6464	4.9	19
256	Highly efficient photovoltaics and field-effect transistors based on copolymers of mono-fluorinated benzothiadiazole and quaterthiophene: synthesis and effect of the molecular weight on device performance. *Polymer Chemistry*, **2015**, 6, 6050-6057	4.9	15
255	Heteroatom substituted naphthodithiophene–benzothiadiazole copolymers and their effects on photovoltaic and charge mobility properties. *Polymer Chemistry*, **2015**, 6, 4479-4486	4.9	8
254	New X-type second-order nonlinear optical (NLO) dendrimers: fewer chromophore moieties and high NLO effects. *Journal of Materials Chemistry C*, **2015**, 3, 4545-4552	7.1	28
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