

# Man Shing Wong

## List of Publications by Citations

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401  
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419  
ext. papers

16,708  
ext. citations

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6.6  
L-index

#	Paper	IF	Citations
401	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , <b>2012</b> , 2, 754	4.9	733
400	Highly Extended copolymers with diketopyrrolopyrrole moieties for high-performance field-effect transistors. <i>Advanced Materials</i> , <b>2012</b> , 24, 4618-22	24	649
399	Efficient blue emission from siloles. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2974-2978		514
398	Functional organic field-effect transistors. <i>Advanced Materials</i> , <b>2010</b> , 22, 4427-47	24	481
397	Structures, electronic states, photoluminescence, and carrier transport properties of 1,1-disubstituted 2,3,4,5-tetraphenylsiloles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 6335-46	16.4	458
396	Patterned Graphene as Source/Drain Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2008</b> , 20, 3289-3293	24	339
395	A highly pi-stacked organic semiconductor for field-effect transistors based on linearly condensed pentathienoacene. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13281-6	16.4	312
394	Electro-optic properties of the organic salt 4-N,N-dimethylamino-4'-N'-methyl-stilbazolium tosylate. <i>Applied Physics Letters</i> , <b>1996</b> , 69, 13-15	3.4	288
393	Structures, electronic states, and electroluminescent properties of a zinc(II) 2-(2-hydroxyphenyl)benzothiazolate complex. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14816-24	16.4	276
392	Experimental techniques for the fabrication and characterization of organic thin films for field-effect transistors. <i>Chemical Reviews</i> , <b>2011</b> , 111, 3358-406	68.1	215
391	Robust microscale superlubricity under high contact pressure enabled by graphene-coated microsphere. <i>Nature Communications</i> , <b>2017</b> , 8, 14029	17.4	176
390	Crystal growth and characterization of the organic salt 4-N,N-dimethylamino-4'-N'-methyl-stilbazolium tosylate (dast). <i>Advanced Materials</i> , <b>1996</b> , 8, 592-595	24	165
389	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1908-14	7.8	157
388	Self-organized graphene crystal patterns. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e36-e36	10.3	137
387	New Host Containing Bipolar Carrier Transport Moiety for High-Efficiency Electrophosphorescence at Low Voltages. <i>Advanced Materials</i> , <b>2009</b> , 21, 688-692	24	130
386	Novel functional conjugative hyperbranched polymers with aggregation-induced emission: synthesis through one-pot "A2+B4" polymerization and application as explosive chemosensors and PLEDs. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 164-71	4.8	129
385	A conjugated hyperbranched polymer constructed from carbazole and tetraphenylethylene moieties: convenient synthesis through one-pot A2 + B4 Suzuki polymerization, aggregation-induced enhanced emission, and application as explosive chemosensors and PLEDs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6374		129

384	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 3104	7.1	127
383	Synthesis and Properties of Multi-Triarylamine-Substituted Carbazole-Based Dendrimers with an Oligothiophene Core for Potential Applications in Organic Solar Cells and Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 6194-6203	9.6	122
382	Ligand promoted palladium-catalyzed homo-coupling of arylboronic acids. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 4087-4089	2	120
381	Efficient Deep-Blue Organic Light-Emitting Diodes: Arylamine-Substituted Oligofluorenes. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3194-3199	15.6	118
380	Full Emission Color Tuning in Bis-Dipolar Diphenylamino-Endcapped Oligoarylfluorenes. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5032-5040	9.6	115
379	X-shaped oligothiophenes as a new class of electron donors for bulk-heterojunction solar cells. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7702-7	3.4	115
378	Graphene-coated silica as a highly efficient sorbent for residual organophosphorus pesticides in water. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1875-1884	13	114
377	Novel electroactive and photoactive molecular materials based on conjugated donor-acceptor structures for optoelectronic device applications. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10786-92	3.4	114
376	Naphthalenediimide-Based Copolymers Incorporating Vinyl-Linkages for High-Performance Ambipolar Field-Effect Transistors and Complementary-Like Inverters under Air. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3589-3596	9.6	111
375	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , <b>2011</b> , 4, 1208-1214	10	106
374	Cyanines as new fluorescent probes for DNA detection and two-photon excited bioimaging. <i>Organic Letters</i> , <b>2010</b> , 12, 2194-7	6.2	102
373	High Efficiency and Small Roll-Off Electrophosphorescence From a New Iridium Complex with Well-Matched Energy Levels. <i>Advanced Materials</i> , <b>2008</b> , 20, 774-778	24	98
372	Donor-Acceptor-Substituted Phenylethenyl Bithiophenes: Highly Efficient and Stable Nonlinear Optical Chromophores. <i>Organic Letters</i> , <b>1999</b> , 1, 1847-1849	6.2	96
371	Diazaisoindigo-Based Polymers with High-Performance Charge-Transport Properties: From Computational Screening to Experimental Characterization. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2209-2218	9.6	95
370	Synthesis and light-emitting properties of bipolar oligofluorenes containing triarylamine and 1,2,4-triazole moieties. <i>Organic Letters</i> , <b>2006</b> , 8, 4271-4	6.2	93
369	Strong Luminescent Iridium Complexes with C≡N Structure in Ligands and Their Potential in Efficient and Thermally Stable Phosphorescent OLEDs. <i>Advanced Materials</i> , <b>2009</b> , 21, 339-343	24	90
368	Efficient three-photon excited deep blue photoluminescence and lasing of diphenylamino and 1,2,4-triazole endcapped oligofluorenes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 886-7	16.4	90
367	A Novel and Perfectly Aligned Highly ElectroOptic Organic Cocrystal of a Merocyanine Dye and 2,4-Dihydroxybenzaldehyde. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 6315-6316	16.4	90

366	Direct CVD Graphene Growth on Semiconductors and Dielectrics for Transfer-Free Device Fabrication. <i>Advanced Materials</i> , <b>2016</b> , 28, 4956-75	24	90
365	Ratiometric emission fluorescent pH probe for imaging of living cells in extreme acidity. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2788-93	7.8	89
364	Synthesis, Structure, and Catalytic Activity of Palladium(II) Complexes of New CNC Pincer-Type N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , <b>2008</b> , 27, 2268-2272	3.8	89
363	Diphenylamino end-capped oligofluorenes with enhanced functional properties for blue light emission: synthesis and structure-property relationships. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3285-93	4.8	87
362	Inhibition of beta-amyloid peptide aggregation by multifunctional carbazole-based fluorophores. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1804-10	16.4	86
361	High-Performance Organic Field-Effect Transistors with Low-Cost Copper Electrodes. <i>Advanced Materials</i> , <b>2008</b> , 20, 1286-1290	24	85
360	Third-order optical nonlinearities of oligomers, dendrimers and polymers derived from solution Z-scan studies. <i>Optical Materials</i> , <b>2003</b> , 21, 485-488	3.3	85
359	Bis-Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606162	24	82
358	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 192-197	16.4	82
357	Synthesis, Characterization, and Field-Effect Transistor Performance of Thieno[3,2-b]thieno[2,3-d]thiophene Derivatives. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 772-778	15.6	78
356	Synthesis and functional properties of end-dendronized oligo(9,9-diphenyl)fluorenes. <i>Organic Letters</i> , <b>2006</b> , 8, 1499-502	6.2	78
355	8.78% Efficient All-Polymer Solar Cells Enabled by Polymer Acceptors Based on a B<math>-</math>N Embedded Electron-Deficient Unit. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904585	24	74
354	Solution processed organic field-effect transistors and their application in printed logic circuits. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7059		73
353	High-Performance Organic Transistor Memory Elements with Steep Flanks of Hysteresis. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2593-2601	15.6	73
352	Wide-Energy-Gap Host Materials for Blue Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1333-1342	9.6	72
351	Hierarchy of graphene wrinkles induced by thermal strain engineering. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 251610	3.4	71
350	Donor-Acceptor Oligothiophenes as Low Optical Gap Chromophores for Photovoltaic Applications. <i>Advanced Materials</i> , <b>2008</b> , 20, 4810-4815	24	71
349	Synthesis and Functional Properties of Donor-Acceptor $\pi$ -Conjugated Oligomers. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1198-1203	9.6	71

348	Naphtho[1,2-b:5,6-b']dithiophene-Based Donor-Acceptor Copolymer Semiconductors for High-Mobility Field-Effect Transistors and Efficient Polymer Solar Cells. <i>Macromolecules</i> , <b>2013</b> , 46, 3358-3366	5.5	69
347	Multiphoton excited fluorescent materials for frequency upconversion emission and fluorescent probes. <i>Advanced Materials</i> , <b>2014</b> , 26, 5400-28	24	66
346	Novel global-like second-order nonlinear optical dendrimers: convenient synthesis through powerful click chemistry and large NLO effects achieved by using simple azo chromophore. <i>Chemical Science</i> , <b>2012</b> , 3, 1256	9.4	65
345	Heteroatom substituted organic/polymeric semiconductors and their applications in field-effect transistors. <i>Advanced Materials</i> , <b>2014</b> , 26, 6898-904	24	64
344	Anthra[2,3-b]benzo[d]thiophene: An Air-Stable Asymmetric Organic Semiconductor with High Mobility at Room Temperature. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4188-4190	9.6	64
343	Organic thin film transistors based on stable amorphous ladder tetraazapentacenes semiconductors. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4894		61
342	Two-photon fluorescence probes for imaging of mitochondria and lysosomes. <i>Chemical Communications</i> , <b>2013</b> , 49, 3428-30	5.8	60
341	New tetrathiafulvalene fused-naphthalene diimides for solution-processible and air-stable p-type and ambipolar organic semiconductors. <i>Chemical Science</i> , <b>2012</b> , 3, 2530	9.4	60
340	Tuning of resistive memory switching in electropolymerized metallopolymeric films. <i>Chemical Science</i> , <b>2015</b> , 6, 1308-1315	9.4	59
339	Thieno[3,2-b]thiophene-Bridged D-A Polymer Semiconductor Based on Benzo[1,2-b:4,5-b']dithiophene and Benzoxadiazole. <i>Macromolecules</i> , <b>2013</b> , 46, 4805-4812	5.5	59
338	Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705286	24	57
337	New Azo Chromophore-Containing Conjugated Polymers: Facile Synthesis by Using Click Chemistry and Enhanced Nonlinear Optical Properties Through the Introduction of Suitable Isolation Groups. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 136-141	4.8	57
336	Synthesis and Light-Emitting Properties of Difunctional Dendritic Distyrylstilbenes. <i>Macromolecules</i> , <b>2001</b> , 34, 6821-6830	5.5	54
335	A theranostic agent for in vivo near-infrared imaging of amyloid species and inhibition of amyloid aggregation. <i>Biomaterials</i> , <b>2016</b> , 94, 84-92	15.6	54
334	Effects of fluorination on the properties of thieno[3,2-b]thiophene-bridged donor-acceptor polymer semiconductors. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 502-511	4.9	53
333	Exceptionally strong multiphoton-excited blue photoluminescence and lasing from ladder-type oligo(p-phenylene)s. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7297-300	16.4	53
332	Oligo(2,7-fluorene ethynylene)s with pyrene moieties: synthesis, characterization, photoluminescence, and electroluminescence. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 8345-53	4.2	53
331	Synthesis and functional properties of strongly luminescent diphenylamino end-capped oligophenylenes. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 921-7	4.2	53

- 330 Indole-based cyanine as a nuclear RNA-selective two-photon fluorescent probe for live cell imaging. *ACS Chemical Biology*, **2015**, 10, 1171-5 4.9 52
- 329 Phenyl-calix[4]arene-based fluorescent sensors: cooperative binding for carboxylates. *Journal of Organic Chemistry*, **2007**, 72, 2419-26 4.2 52
- 328 Asymmetric Synthesis of Chiral Sulfinic Esters and Sulfoxides. Synthesis of Sulforaphane. *Journal of Organic Chemistry*, **1994**, 59, 597-601 4.2 52
- 327 A novel air-stable n-type organic semiconductor: 4,4'-bis[(6,6'-diphenyl)-2,2-difluoro-1,3,2-dioxaborine] and its application in organic ambipolar field-effect transistors. *Journal of Materials Chemistry*, **2006**, 16, 4499-4503 51
- 326 Phenyl-substituted fluorene-dimer cored anthracene derivatives: highly fluorescent and stable materials for high performance organic blue- and white-light-emitting diodes. *Journal of Materials Chemistry*, **2010**, 20, 3186 49
- 325 Fluorescence-enhanced chemosensor for metal cation detection based on pyridine and carbazole. *Journal of Organic Chemistry*, **2013**, 78, 11318-25 4.2 48
- 324 Linear benzene-fused bis(tetrathiafulvalene) compounds for solution processed organic field-effect transistors. *Journal of Materials Chemistry*, **2007**, 17, 736-743 48
- 323 Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. *Chemical Science*, **2017**, 8, 340-347 9.4 47
- 322 Novel copolymers incorporating dithieno[3,2-b:2',3'-d]thiophene moieties for air-stable and high performance organic field-effect transistors. *Journal of Materials Chemistry*, **2008**, 18, 3426 47
- 321 Solution processable donor-acceptor oligothiophenes for bulk-heterojunction solar cells. *Journal of Materials Chemistry*, **2010**, 20, 2182 46
- 320 Field dependent and high light sensitive organic phototransistors based on linear asymmetric organic semiconductor. *Applied Physics Letters*, **2009**, 94, 143303 3.4 46
- 319 Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. *Advanced Materials*, **2016**, 28, 2609-15 24 46
- 318 Improved method for the preparation of enantiomerically pure sulfinic esters. *Journal of Organic Chemistry*, **1991**, 56, 4552-4554 4.2 45
- 317 Dibenzoannelated tetrathienoacene: synthesis, characterization, and applications in organic field-effect transistors. *Organic Letters*, **2012**, 14, 3300-3 6.2 44
- 316 Naphthodithiophene-2,1,3-benzothiadiazole copolymers for bulk heterojunction solar cells. *Chemical Communications*, **2011**, 47, 9471-3 5.8 44
- 315 Anisotropic Electrical Transport Properties of Aligned Carbon Nanotube Films. *Journal of Physical Chemistry B*, **2001**, 105, 9422-9425 3.4 44
- 314 Synthesis and electroluminescence of poly(aryleneethynylene)s based on fluorene containing hole-transport units. *Journal of Materials Chemistry*, **2001**, 11, 1606-1611 44
- 313 Self-Aligned Single-Crystal Graphene Grains. *Advanced Functional Materials*, **2014**, 24, 1664-1670 15.6 43

312	Novel Functionalized Conjugated Polythiophene with Oxetane Substituents: Synthesis, Optical, Electrochemical, and Field-Effect Properties. <i>Macromolecules</i> , <b>2009</b> , 42, 3222-3226	5.5	43
311	Five-membered heteroaromatic hydrazone derivatives for second-order nonlinear optics. <i>Advanced Materials</i> , <b>1996</b> , 8, 416-420	24	43
310	New series of AB2-type hyperbranched polytriazoles derived from the same polymeric intermediate: Different endcapping spacers with adjustable bulk and convenient syntheses via click chemistry under copper(I) catalysis. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 1977-1987	2.5	42
309	High-mobility thin-film transistors based on aligned carbon nanotubes. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 150-152	3.4	42
308	Graphene: learning from carbon nanotubes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 919-929		41
307	Fluorodiphenylethene-Containing Donor-Acceptor Conjugated Copolymers with Noncovalent Conformational Locks for Efficient Polymer Field-Effect Transistors. <i>Macromolecules</i> , <b>2016</b> , 49, 2582-2591	5.5	41
306	Synthesis and properties of fluorene or carbazole-based and dicyanovinyl-capped n-type organic semiconductors. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 1131		40
305	Extended Calix[4]arene-Based Receptors for Molecular Recognition and Sensing. <i>Sensors</i> , <b>2008</b> , 8, 5313-5335	5.335	40
304	Organic thin-film transistors with high mobilities and low operating voltages based on 5,5'-bis-biphenyl-dithieno[3,2-b:2',3'-d]thiophene semiconductor and polymer gate dielectric. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 242113	3.4	40
303	Novel electro-optic molecular cocrystals with ideal chromophoric orientation and large second-order optical nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1998</b> , 15, 426	1.7	40
302	New air-stable solution-processed organic n-type semiconductors based on sulfur-rich core-expanded naphthalene diimides. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18042		38
301	A two-photon ratiometric fluorescent probe for effective monitoring of lysosomal pH in live cells and cancer tissues. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 913-921	8.5	37
300	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18852-18856	13	37
299	Fluorinated Dithienylethene-Naphthalenediimide Copolymers for High-Mobility n-Channel Field-Effect Transistors. <i>Macromolecules</i> , <b>2017</b> , 50, 6098-6107	5.5	37
298	Synthesis and Characterization of Angular-Shaped Naphtho[1,2-b;5,6-b']difuran-Diketopyrrolopyrrole-Containing Copolymers for High-Performance Organic Field-Effect Transistors. <i>Macromolecules</i> , <b>2014</b> , 47, 616-625	5.5	36
297	Selective Growth of Polymorphs: An Investigation of the Organic Nonlinear Optical Crystal 5-Nitro-2-thiophenecarboxaldehyde-4-methylphenylhydrazone. <i>Chemistry of Materials</i> , <b>1997</b> , 9, 1328-1334	9.6	36
296	Self-assembly of an acentric co-crystal of a highly hyperpolarizable merocyanine dye with optimized alignment for nonlinear optics. <i>Advanced Materials</i> , <b>1997</b> , 9, 554-557	24	36
295	Synthesis, structure-properties of planar, end-substituted, light-emitting oligophenylenevinylenes. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 1805-1810		36

294	One Pot Phase Transfer Synthesis of O-Alkyl, S-Methyl Dithiocarbonates (Xanthates). <i>Synthetic Communications</i> , <b>1989</b> , 19, 547-552	1.7	36
293	Modified Engineering of Graphene Nanoribbons Prepared via On-Surface Synthesis. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905957	24	36
292	Primary Nucleation-Dominated Chemical Vapor Deposition Growth for Uniform Graphene Monolayers on Dielectric Substrate. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11004-11008	16.4	35
291	Design, Synthesis, and Properties of Asymmetrical Heteroacene and Its Application in Organic Electronics. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10565-10571	3.8	35
290	Synthesis and characterization of deep blue emitters from starburst carbazole/fluorene compounds. <i>Tetrahedron</i> , <b>2008</b> , 64, 2658-2668	2.4	35
289	Narrow band gap D <sub>A</sub> copolymer of indacenodithiophene and diketopyrrolopyrrole with deep HOMO level: Synthesis and application in field-effect transistors and polymer solar cells. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 371-377	2.5	34
288	An Alternative Approach to Constructing Solution Processable Multifunctional Materials: Their Structure, Properties, and Application in High-Performance Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3125-3135	15.6	33
287	Synthesis and characterization of a quinoxaline compound containing polyphenylphenyl and strong electron-accepting groups, and its multiple applications in electroluminescent devices. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 299-305		33
286	Thiazole-Flanked Diketopyrrolopyrrole Polymeric Semiconductors for Ambipolar Field-Effect Transistors with Balanced Carrier Mobilities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 34725-34734	9.5	33
285	Fluoro-substituted cyanine for reliable labelling of amyloid- $\beta$ oligomers and neuroprotection against amyloid- $\beta$ induced toxicity. <i>Chemical Science</i> , <b>2017</b> , 8, 8279-8284	9.4	32
284	Photophysical properties of polyphenylphenyl compounds in aqueous solutions and application of their nanoparticles for nucleobase sensing. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2555		32
283	Oxadisilole-fused isobenzofurans. Synthesis and characterization of oxadisilole-substituted acenes. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 3512-7	4.2	32
282	Synthesis and Third-Order Nonlinear Optical Properties of End-Functionalized Oligo-Phenylenevinylenes. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2999-3004	9.6	32
281	Effect of polymer chain conformation on field-effect transistor performance: synthesis and properties of two arylene imide based D <sub>A</sub> copolymers. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14639		31
280	Novel butterfly-shaped fused heteroacenes: synthesis, properties, and device performance of solution-processed field-effect transistors. <i>Organic Letters</i> , <b>2012</b> , 14, 4382-5	6.2	31
279	Phthalocyanine Monolayer-Modified Gold Substrates as Efficient Anodes for Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 12639-12642	3.4	31
278	Synthesis and computational studies of hyperpolarizable zig-zag chromophores. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 6113-6116	2	31
277	Dithieno[3,2-b:2',3'-d]pyridin-5(4H)-one-based polymers with a bandgap up to 2.02 eV for high performance field-effect transistors and polymer solar cells with an open-circuit voltage up to 0.98 V and an efficiency up to 6.84%. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20516-20526	13	30



276	Direct Top-Down Fabrication of Large-Area Graphene Arrays by an In Situ Etching Method. <i>Advanced Materials</i> , <b>2015</b> , 27, 4195-9	24	30
275	Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3783-3789	15.6	29
274	Polyurethanes Containing Indole-Based Non-Linear Optical Chromophores: from Linear Chromophore to H-Type. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 798-803	4.8	29
273	Synthesis, Structure, Electronic State, and Luminescent Properties of Novel Blue-Light-Emitting Aryl-Substituted 9,9-Di(4-(di-p-tolyl)aminophenyl)fluorenes. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2335-2347	15.6	29
272	Synthesis and Luminescence of Distyrylstilbenes with Asymmetrically Substituted Functionalized Dendrons. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3158-3166	9.6	29
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270	New $\alpha$ -type $\beta$ -second-order nonlinear optical (NLO) dendrimers: fewer chromophore moieties and high NLO effects. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4545-4552	7.1	28
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