Ken-Tsung Wong

List of Publications by Year in Descending Order

335 papers	18,177 citations	73 h-index	121 g-index
383 ext. papers	19,644 ext. citations	8.1 avg, IF	6.76 L-index

#	Paper	IF	Citations
335	Aggregation Control, Surface Passivation, and Optimization of Device Structure Toward Near-Infrared Perovskite Quantum-Dot Light-Emitting Diodes with an EQE up to 15.4.. *Advanced Materials*, **2022**, e2109785	24	3
334	New Bipolar Host Materials for High Power Efficiency Green Thermally Activated Delayed Fluorescence OLEDs. *Chemical Engineering Journal*, **2022**, 136292	14.7	2
333	Analyses of emission efficiencies of white organic light-emitting diodes having multiple emitters in single emitting layer. *Organic Electronics*, **2022**, 104, 106474	3.5	1
332	A Rational Molecular Design Strategy of TADF Emitter for Achieving Device Efficiency Exceeding 36%. *Advanced Optical Materials*, **2022**, 10, 2101791	8.1	2
331	New Exciplex-Forming Co-Host System and Thienothiadazole-based Fluorescent Emitter for High-Efficiency and Promising Stability Near-Infrared OLED. *Advanced Optical Materials*, **2022**, 10, 2101952	8.1	0
330	Aggregation Control, Surface Passivation, and Optimization of Device Structure toward Near-Infrared Perovskite Quantum-Dot Light-Emitting Diodes with an EQE up to 15.4% (Adv. Mater. 18/2022). *Advanced Materials*, **2022**, 34, 2270132	24	
329	Synergistic Dual-Atom Molecular Catalyst Derived from Low-Temperature Pyrolyzed Heterobimetallic Macrocycle-N4 Corrole Complex for Oxygen Reduction (Small 46/2021). *Small*, **2021**, 17, 2170243	11	0
328	Synergistic Dual-Atom Molecular Catalyst Derived from Low-Temperature Pyrolyzed Heterobimetallic Macrocycle-N4 Corrole Complex for Oxygen Reduction. *Small*, **2021**, 17, e2103823	11	1
327	Energy levels in dilute-donor organic solar cell photocurrent generation: A thienothiophene donor molecule study. *Organic Electronics*, **2021**, 92, 106137	3.5	2
326	Organic Lead Halide Nanocrystals Providing an Ultra-Wide Color Gamut with Almost-Unity Photoluminescence Quantum Yield. *ACS Applied Materials & Interfaces*, **2021**, 13, 25202-25213	9.5	1
325	Novel thieno[3,2-b]thiophene-embedded small-molecule donors for highly efficient and photostable vacuum-processed organic photovoltaics. *Materials Today Energy*, **2021**, 20, 100633	7	3
324	Small Molecules for Vacuum-Processed Organic Photovoltaics: Past, Current Status, and Prospect. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 812-838	5.1	17
323	Reversible Fluorescence Switching of Donor–Acceptor Type Bipyridines by Simple Protonation–Deprotonation Equilibria. *Australian Journal of Chemistry*, **2021**, 74, 601	1.2	
322	Synergistic improvements in the performance and stability of inverted planar MAPbI3-based perovskite solar cells incorporating benzylammonium halide salt additives. *Materials Chemistry Frontiers*, **2021**, 5, 3378-3387	7.8	5
321	Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy. *Nanoscale*, **2021**, 13, 8012-8016	7.7	2
320	Substitution effect on carbazole-centered donors for tuning exciplex systems as cohost for highly efficient yellow and red OLEDs. *Materials Chemistry Frontiers*, **2021**, 5, 5044-5054	7.8	2
319	Origin of Hole Transport in Small Molecule Dilute Donor Solar Cells. *Advanced Energy and Sustainability Research*, **2021**, 2, 2000042	1.6	3

318	New carboline-based donors for green exciplex-forming systems. *Journal of the Chinese Chemical Society*, **2021**, 68, 482-490	1.5	1
317	Transparent organic upconversion device targeting high- grade infrared visual image. *Nano Energy*, **2021**, 86, 106043	17.1	6
316	New exciplex systems composed of triazatruxene donors and N-heteroarene-cored acceptors. *Materials Chemistry Frontiers*, **2020**, 4, 2029-2039	7.8	9
315	Vacuum-Processed Small Molecule Organic Photodetectors with Low Dark Current Density and Strong Response to Near-Infrared Wavelength. *Advanced Optical Materials*, **2020**, 8, 2000519	8.1	14
314	New D-A-APConfigured Small Molecule Donors Employing Conjugation to Red-shift the Absorption for Photovoltaics. *Chemistry - an Asian Journal*, **2020**, 15, 2520-2531	4.5	3
313	Insights into energy transfer pathways between the exciplex host and fluorescent guest: attaining highly efficient 710 nm electroluminescence. *Journal of Materials Chemistry C*, **2020**, 8, 5704-5714	7.1	6
312	A Comparative Study via Photophysical and Electrical Characterizations on Interfacial and Bulk Exciplex-Forming Systems for Efficient Organic Light-Emitting Diodes. *ACS Applied Electronic Materials*, **2020**, 2, 1011-1019	4	18
311	Exploring mechanisms for generating spin-orbital coupling through donor□cceptor design to realize spin flipping in thermally activated delayed fluorescence. *Journal of Materials Chemistry C*, **2020**, 8, 3395-3401	7.1	16
310	Core-Twisted Tetrachloroperylenediimides: Low-Cost and Efficient Non-Fullerene Organic Electron-Transporting Materials for Inverted Planar Perovskite Solar Cells. *ChemSusChem*, **2020**, 13, 3686-3695	8.3	4
309	Unveiling the underlying mechanism of record-high efficiency organic near-infrared photodetector harnessing a single-component photoactive layer. *Materials Horizons*, **2020**, 7, 1171-1179	14.4	8
308	Incorporation of narcissistic self-sorting supramolecular interactions for the spontaneous fabrication of multiple-color solid-state materials for OLED applications. *Materials Chemistry Frontiers*, **2020**, 4, 845-850	7.8	5
307	Recent Progress in White Light-Emitting Electrochemical Cells. *Advanced Functional Materials*, **2020** , 30, 1906898	15.6	27
306	Harnessing a New Co-Host System and Low Concentration of New TADF Emitters Equipped with Trifluoromethyl- and Cyano-Substituted Benzene as Core for High-Efficiency Blue OLEDs. *ACS Applied Materials & Interfaces*, **2020**, 12, 2724-2732	9.5	10
305	Dihydrophenazine-based double-anchoring dye for dye-sensitized solar cells. *Journal of the Chinese Chemical Society*, **2020**, 67, 361-369	1.5	1
304	A Near-Infrared Absorption Small Molecule Acceptor for High-Performance Semitransparent and Colorful Binary and Ternary Organic Photovoltaics. *ChemSusChem*, **2020**, 13, 903-913	8.3	30
303	Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics. *ACS Nano*, **2020**, 14, 9917-9928	16.7	48
302	Influence of Molecular Symmetry and Terminal Substituents on the Morphology and OFET Characteristics of S,N-Heteropentacenes. *ACS Applied Materials & Interfaces*, **2020**, 12, 40572-40580	9.5	1
301	High-efficiency organic light emitting diodes using high-index transparent electrode. *Organic Electronics*, **2020**, 87, 105984	3.5	1

300	Organic Photodetectors: Vacuum-Processed Small Molecule Organic Photodetectors with Low Dark Current Density and Strong Response to Near-Infrared Wavelength (Advanced Optical Materials 17/2020). *Advanced Optical Materials*, **2020**, 8, 2070068	8.1	1
299	Device characteristics and material developments of indoor photovoltaic devices. *Materials Science and Engineering Reports*, **2020**, 139, 100517	30.9	62
298	Revealing the Cooperative Relationship between Spin, Energy, and Polarization Parameters toward Developing High-Efficiency Exciplex Light-Emitting Diodes. *Advanced Materials*, **2019**, 31, e1904114	24	29
297	Reconciling the value of Schottky barriers in small molecular organic photovoltaics from J-V and C-V measurements at low temperatures towards the estimation of open circuit voltage at 0 K. *Organic Electronics*, **2019**, 73, 166-171	3.5	3
296	High-Efficiency Red and Near-Infrared Organic Light-Emitting Diodes Enabled by Pure Organic Fluorescent Emitters and an Exciplex-Forming Cohost. *ACS Applied Materials & Interfaces*, **2019**, 11, 23417-23427	9.5	29
295	Influences of Structural Modification of S, N-Hexacenes on the Morphology and OFET Characteristics. *ACS Applied Materials & Interfaces*, **2019**, 11, 21756-21765	9.5	9
294	Cross-linkable hole transporting layers boost operational stability of high-performance quantum dot light-emitting device. *Organic Electronics*, **2019**, 71, 206-211	3.5	7
293	New D-A-A-Configured Small-Molecule Donors for High-Efficiency Vacuum-Processed Organic Photovoltaics under Ambient Light. *ACS Applied Materials & Interfaces*, **2019**, 11, 8337-8349	9.5	36
292	Intramolecular Dimerization Quenching of Delayed Emission in Asymmetric D-DPA TADF Emitters. *Journal of Physical Chemistry C*, **2019**, 123, 12400-12410	3.8	41
291	Development of Materials for Blue Organic Light Emitting Devices. *Chemical Record*, **2019**, 19, 1667-1698	6.6	10
290	New naphthyridine-based bipolar host materials for thermally activated delayed fluorescent organic light-emitting diodes. *Organic Electronics*, **2019**, 70, 55-62	3.5	1
289	Synthesis and characterization of new asymmetric thieno[3,4-b]pyrazine-based D□A□A type small molecular donors with near-infrared absorption and their photovoltaic applications. *Organic Electronics*, **2019**, 68, 159-167	3.5	8
288	Bending-Type Electron Donor□Donor□Acceptor Triad: Dual Excited-State Charge-Transfer Coupled Structural Relaxation. *Chemistry of Materials*, **2019**, 31, 5981-5992	9.6	35
287	Vacuum-Deposited Biternary Organic Photovoltaics. *Journal of the American Chemical Society*, **2019**, 141, 18204-18210	16.4	14
286	Perspective on Host Materials for Thermally Activated Delayed Fluorescence Organic Light Emitting Diodes. *Advanced Optical Materials*, **2019**, 7, 1800565	8.1	106
285	Si-Bridged Ladder-Type Small-Molecule Acceptors for High-Performance Organic Photovoltaics. *ACS Applied Materials & Interfaces*, **2019**, 11, 1125-1134	9.5	13
284	Organic polymeric and small molecular electron acceptors for organic solar cells. *Materials Science and Engineering Reports*, **2018**, 124, 1-57	30.9	55
283	Exciplex: An Intermolecular Charge-Transfer Approach for TADF. *ACS Applied Materials & Interfaces*, **2018**, 10, 19279-19304	9.5	182

282	Surface modification of graphene using HBC-6ImBr in solution-processed OLEDs. *Journal of Applied Physics*, **2018**, 123, 024303	2.5	2
281	S,N-Heteroacene-Based Copolymers for Highly Efficient Organic Field Effect Transistors and Organic Solar Cells: Critical Impact of Aromatic Subunits in the Ladder System. *ACS Applied Materials & Interfaces*, **2018**, 10, 6471-6483	9.5	19
280	Organic Light-Emitting Diodes: Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids (Adv. Mater. 5/2018). *Advanced Materials*, **2018**, 30, 1870033	24	6
279	Role of a hydrophobic scaffold in controlling the crystallization of methylammonium antimony iodide for efficient lead-free perovskite solar cells. *Nano Energy*, **2018**, 45, 330-336	17.1	36
278	Exciplex-Forming Cohost for High Efficiency and High Stability Phosphorescent Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 2151-2157	9.5	49
277	Cyanopyrimidine-Carbazole Hybrid Host Materials for High-Efficiency and Low-Efficiency Roll-Off TADF OLEDs. *ACS Applied Materials & Interfaces*, **2018**, 10, 12930-12936	9.5	54
276	Donor–Acceptor–Acceptor Molecules for Vacuum-Deposited Organic Photovoltaics with Efficiency Exceeding 9%. *Advanced Energy Materials*, **2018**, 8, 1703603	21.8	27
275	Effects of Ortho-Phenyl Substitution on the rISC Rate of D–A Type TADF Molecules. *Journal of Physical Chemistry C*, **2018**, 122, 7627-7634	3.8	36
274	Probe exciplex structure of highly efficient thermally activated delayed fluorescence organic light emitting diodes. *Nature Communications*, **2018**, 9, 3111	17.4	83
273	Two Novel Small Molecule Donors and the Applications in Bulk-Heterojunction Solar Cells. *Frontiers in Chemistry*, **2018**, 6, 260	5	9
272	Tuning the Color Temperature of White-Light-Emitting Electrochemical Cells by Laser-Scanning Perovskite-Nanocrystal Color Conversion Layers. *ChemPlusChem*, **2018**, 83, 239-245	2.8	8
271	Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids. *Advanced Materials*, **2018**, 30, 1704961	24	385
270	Fluorination effects of A-D-A-type small molecules on physical property and the performance of organic solar cell. *Organic Electronics*, **2018**, 52, 342-349	3.5	13
269	The 3 D Structure of Twisted Benzo[ghi]perylene-Triimide Dimer as a Non-Fullerene Acceptor for Inverted Perovskite Solar Cells. *ChemSusChem*, **2018**, 11, 415-423	8.3	19
268	Exciplex Cohosts Employing Nonconjugated Linked Dicarbazole Donors for Highly Efficient Thermally Activated Delayed Fluorescence-Based Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 34435-34442	9.5	14
267	The Twisted Benzo[ghi]-Perylenetriimide Dimer as a 3D Electron Acceptor for Fullerene-Free Organic Photovoltaics. *Chemistry - A European Journal*, **2018**, 24, 17590-17597	4.8	6
266	Blue-emitting bis-tridentate Ir(III) phosphors: OLED performances vs. substituent effects. *Journal of Materials Chemistry C*, **2018**, 6, 10486-10496	7.1	14
265	84-4: Invited Paper: Near-Infrared Organic Upconversion Device with High Image Sensing Quality. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 1147-1150	0.5	1

264	Versatile Exciplex-Forming Co-Host for Improving Efficiency and Lifetime of Fluorescent and Phosphorescent Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 24090-24098	9.5	43
263	Remote Steric Effect as a Facile Strategy for Improving the Efficiency of Exciplex-Based OLEDs. *ACS Applied Materials & Interfaces*, **2017**, 9, 7355-7361	9.5	62
262	Hybrid bimetallic-N4 electrocatalyst derived from a pyrolyzed ferrocene□Co-corrole complex for oxygen reduction reaction. *Journal of Materials Chemistry A*, **2017**, 5, 9279-9286	13	14
261	Emissive nanotubes from templated self-assembly of small molecules. *Chemical Physics Letters*, **2017**, 683, 43-48	2.5	5
260	The synthesis, structure, and properties of 5,6,11,12-tetraarylindeno[1,2-b]fluorenes and their applications as donors for organic photovoltaic devices. *Organic Chemistry Frontiers*, **2017**, 4, 675-681	5.2	8
259	Dynamically tuning the correlated color temperature of white light-emitting electrochemical cells with electrochromic filters. *Organic Electronics*, **2017**, 48, 248-253	3.5	12
258	P-114: Non-Doped White Light-Emitting Electrochemical Cells Employing Plasmonic Notch Filters. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 1686-1689	0.5	1
257	Anomalously Long-Lasting Blue PhOLED Featuring Phenyl-Pyrimidine Cyclometalated Iridium Emitter. *CheM*, **2017**, 3, 461-476	16.2	61
256	Improving color saturation of blue light-emitting electrochemical cells by plasmonic filters. *Organic Electronics*, **2017**, 51, 70-75	3.5	8
255	Frequency-Selective Photobleaching as a Route to Chromatic Control in Supramolecular OLED Devices. *ACS Applied Materials & Interfaces*, **2017**, 9, 36045-36052	9.5	2
254	Organic dianchor dyes for dye-sensitized solar cells. *Materials Today Energy*, **2017**, 5, 243-279	7	22
253	Impact of Thermal Annealing on Organic Photovoltaic Cells Using Regioisomeric Donor-Acceptor-Acceptor Molecules. *ACS Applied Materials & Interfaces*, **2017**, 9, 25418-25425	9.5	31
252	Carbazole-bridged triphenylamine-bipyridine bipolar hosts for high-efficiency low roll-off multi-color PhOLEDs. *Organic Electronics*, **2017**, 50, 204-212	3.5	14
251	Organic LEDs: Sky-Blue Organic Light Emitting Diode with □7% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridine-Triazine Hybrid (Adv. Mater. 32/2016). *Advanced Materials*, **2016**, 28, 7029-7029	24	4
250	Regioisomeric Effects of Donor-Acceptor-Acceptor□Small-Molecule Donors on the Open Circuit Voltage of Organic Photovoltaics. *Advanced Materials*, **2016**, 28, 8248-8255	24	33
249	1,2-diphenylbenzimidazole-triarylamine hybrided bipolar host materials employing fluorene as bridge for RYB and white electrophosphorescent devices. *Organic Electronics*, **2016**, 37, 115-125	3.5	4
248	Delayed Fluorescence Emitters: Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientation-Adjustable CN-Substituted Pyridine and Pyrimidine Acceptor Units (Adv. Funct. Mater. 42/2016). *Advanced Functional Materials*, **2016**, 26, 7542-7542	15.6	1
247	Easy Access to NO2 -Containing Donor-Acceptor-Acceptor Electron Donors for High Efficiency Small-Molecule Organic Solar Cells. *ChemSusChem*, **2016**, 9, 1433-41	8.3	10

246	Cofacial Versus Coplanar Arrangement in Centrosymmetric Packing Dimers of Dipolar Small Molecules: Structural Effects on the Crystallization Behaviors and Optoelectronic Characteristics. *ACS Applied Materials & Interfaces*, **2016**, 8, 18266-76	9.5	10
245	A demonstration of solid-state white light-emitting electrochemical cells using the integrated on-chip plasmonic notch filters. *Journal of Materials Chemistry C*, **2016**, 4, 1599-1605	7.1	13
244	ADA type organic donors employing coplanar heterocyclic cores for efficient small molecule organic solar cells. *Organic Electronics*, **2016**, 28, 229-238	3.5	21
243	Balance the Carrier Mobility To Achieve High Performance Exciplex OLED Using a Triazine-Based Acceptor. *ACS Applied Materials & Interfaces*, **2016**, 8, 4811-8	9.5	135
242	Blade coating of Tris(8-hydroxyquinolinato)aluminum as the electron-transport layer for all-solution blue fluorescent organic light-emitting diodes. *Organic Electronics*, **2016**, 29, 99-106	3.5	17
241	Efficient Vacuum-Deposited Ternary Organic Solar Cells with Broad Absorption, Energy Transfer, and Enhanced Hole Mobility. *ACS Applied Materials & Interfaces*, **2016**, 8, 1214-9	9.5	21
240	Electroluminescence from Spontaneously Generated Single-Vesicle Aggregates Using Solution-Processed Small Organic Molecules. *ACS Nano*, **2016**, 10, 998-1006	16.7	9
239	Sky-Blue Organic Light Emitting Diode with 37% External Quantum Efficiency Using Thermally Activated Delayed Fluorescence from Spiroacridine-Triazine Hybrid. *Advanced Materials*, **2016**, 28, 6976-83	24	723
238	Laser-Scanned Programmable Color Temperature of Electroluminescence from White Light-Emitting Electrochemical Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 31799-31805	9.5	10
237	Highly Twisted Carbazole□Oxadiazole Hybrids as Universal Bipolar Hosts for High Efficiency PhOLEDs. *Advanced Electronic Materials*, **2016**, 2, 1500241	6.4	25
236	Efficient and Tunable Thermally Activated Delayed Fluorescence Emitters Having Orientation-Adjustable CN-Substituted Pyridine and Pyrimidine Acceptor Units. *Advanced Functional Materials*, **2016**, 26, 7560-7571	15.6	169
235	Highly Twisted Dianchoring D-□A Sensitizers for Efficient Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 27832-27842	9.5	23
234	Non-doped solid-state white light-emitting electrochemical cells employing the microcavity effect. *Physical Chemistry Chemical Physics*, **2015**, 17, 6956-62	3.6	38
233	Efficient solid-state white light-emitting electrochemical cells employing embedded red color conversion layers. *Journal of Materials Chemistry C*, **2015**, 3, 2802-2809	7.1	39
232	Merocyanines for vacuum-deposited small-molecule organic solar cells. *Organic Electronics*, **2015**, 26, 319-326	3.5	13
231	A versatile thermally activated delayed fluorescence emitter for both highly efficient doped and non-doped organic light emitting devices. *Chemical Communications*, **2015**, 51, 13662-5	5.8	236
230	Enhancing device efficiencies of solid-state white light-emitting electrochemical cells by employing waveguide coupling. *Journal of Materials Chemistry C*, **2015**, 3, 5665-5673	7.1	36
229	Efficient Vacuum-Deposited Tandem Organic Solar Cells with Fill Factors Higher Than Single-Junction Subcells. *Advanced Energy Materials*, **2015**, 5, 1500228	21.8	10

228	Functional p-Type, Polymerized Organic Electrode Interlayer in $CH_3NH_3PbI_3$ Perovskite/Fullerene Planar Heterojunction Hybrid Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 24973-81	9.5	30
227	Solid-state white light-emitting electrochemical cells based on scattering red color conversion layers. *Journal of Materials Chemistry C*, **2015**, 3, 12492-12498	7.1	19
226	A silole copolymer containing a ladder-type heptacylic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells. *Energy and Environmental Science*, **2015**, 8, 552-557	35.4	60
225	Efficient solution-processed green and white phosphorescence organic light-emitting diodes based on bipolar host materials. *Organic Electronics*, **2015**, 17, 1-8	3.5	30
224	An Exciplex Forming Host for Highly Efficient Blue Organic Light Emitting Diodes with Low Driving Voltage. *Advanced Functional Materials*, **2015**, 25, 361-366	15.6	224
223	Organic Electronics: An Exciplex Forming Host for Highly Efficient Blue Organic Light Emitting Diodes with Low Driving Voltage (Adv. Funct. Mater. 3/2015). *Advanced Functional Materials*, **2015**, 25, 342-342	15.6	1
222	Novel organic dyes containing N-bridged oligothiophene coplanar cores for dye-sensitized solar cells. *Organic Electronics*, **2015**, 18, 8-16	3.5	17
221	The first tandem, all-exciplex-based WOLED. *Scientific Reports*, **2014**, 4, 5161	4.9	181
220	Highly efficient organic solar cells using a solution-processed active layer with a small molecule donor and pristine fullerene. *Journal of Materials Chemistry A*, **2014**, 2, 3709-3714	13	31
219	Organic Solar Cells: Microcavity-Embedded, Colour-Tuneable, Transparent Organic Solar Cells (Adv. Mater. 7/2014). *Advanced Materials*, **2014**, 26, 1144-1144	24	2
218	Spontaneous formation of light-trapping nano-structures for top-illumination organic solar cells. *Nanoscale*, **2014**, 6, 2316-20	7.7	12
217	Energy transfer in supramolecular materials for new applications in photonics and electronics. *NPG Asia Materials*, **2014**, 6, e116-e116	10.3	46
216	Template-assisted in situ polymerization for forming blue organic light-emitting nanotubes. *Chemical Communications*, **2014**, 50, 8208-10	5.8	4
215	Benzochalcogenodiazole-based donor-acceptor-acceptor molecular donors for organic solar cells. *ChemSusChem*, **2014**, 7, 457-65	8.3	28
214	New Molecular Donors with Dithienopyrrole as the Electron-Donating Group for Efficient Small-Molecule Organic Solar Cells. *Chemistry of Materials*, **2014**, 26, 4361-4367	9.6	45
213	Highly twisted biphenyl-linked carbazole–benzimidazole hybrid bipolar host materials for efficient PhOLEDs. *Journal of Materials Chemistry C*, **2014**, 2, 8554-8563	7.1	28
212	Indolo[2,3-b]carbazole synthesized from a double-intramolecular Buchwald-Hartwig reaction: its application for a dianchor DSSC organic dye. *Organic Letters*, **2014**, 16, 3176-9	6.2	40
211	New universal bipolar host materials with fluorene as non-conjugated bridge for multi-color electrophosphorescent devices. *Tetrahedron*, **2014**, 70, 6328-6336	2.4	10

210	Microcavity-embedded, colour-tuneable, transparent organic solar cells. *Advanced Materials*, **2014**, 26, 1129-34	24	79
209	Vacuum-deposited interconnection layers for tandem solar cells. *Organic Electronics*, **2014**, 15, 1828-1835	3.5	14
208	Supramolecular control of electronic properties in aromatic materials. *Pure and Applied Chemistry*, **2014**, 86, 471-481	2.1	4
207	A universal, easy-to-apply light-quality index based on natural light spectrum resemblance. *Applied Physics Letters*, **2014**, 104, 203304	3.4	21
206	Bipolar Hosts Based on a Rigid 9,10-Dihydroanthracene Scaffold for Full-Color Electrophosphorescent Devices. *Israel Journal of Chemistry*, **2014**, 54, 942-951	3.4	7
205	Regioisomeric effects on the electronic features of indenothiophene-bridged D-π-A dye sensitizers. *Chemistry - A European Journal*, **2014**, 20, 16574-82	4.8	21
204	Manipulation of connecting topology in carbazole/benzimidazole universal bipolar host materials for RGB and White PhOLEDs. *RSC Advances*, **2013**, 3, 13891	3.7	21
203	Enhanced electroluminescence based on thermally activated delayed fluorescence from a carbazole-triazine derivative. *Physical Chemistry Chemical Physics*, **2013**, 15, 15850-5	3.6	104
202	Improving device efficiencies of solid-state white light-emitting electrochemical cells by adjusting the emissive-layer thickness. *Organic Electronics*, **2013**, 14, 2424-2430	3.5	48
201	Intramolecular charge separation in spirobifluorene-based donor–acceptor compounds adsorbed on Au and indium tin oxide electrodes. *Thin Solid Films*, **2013**, 527, 175-178	2.2	4
200	Highly efficient exciplex emission in solid-state light-emitting electrochemical cells based on mixed ionic hole-transport triarylamine and ionic electron-transport 1,3,5-triazine derivatives. *Journal of Materials Chemistry C*, **2013**, 1, 4647	7.1	47
199	Highly efficient bilayer interface exciplex for yellow organic light-emitting diode. *ACS Applied Materials & Interfaces*, **2013**, 5, 6826-31	9.5	143
198	Molecular topology tuning of bipolar host materials composed of fluorene-bridged benzimidazole and carbazole for highly efficient electrophosphorescence. *Chemistry - A European Journal*, **2013**, 19, 10563-72	4.8	47
197	Photophysical studies on D-π-A dye-sensitized solar cells: Effects of π-bridge and hexyloxy side chains in donor moieties. *Organic Electronics*, **2013**, 14, 1037-1044	3.5	9
196	Functionalized terfluorene for solution-processed high efficiency blue fluorescence OLED and electrophosphorescent devices. *Organic Electronics*, **2013**, 14, 1958-1965	3.5	16
195	Mechanoluminescent and efficient white OLEDs for Pt(II) phosphors bearing spatially encumbered pyridinyl pyrazolate chelates. *Journal of Materials Chemistry C*, **2013**, 1, 7582	7.1	73
194	Light- and solvent-driven morphological transformations of self-assembled hydrogen-bonded nanostructures. *Chemical Communications*, **2013**, 49, 11536-8	5.8	10
193	Pyridine-based electron transporting materials for highly efficient organic solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 1770-1777	13	37

192	Fine-tuning the balance between carbazole and oxadiazole units in bipolar hosts to realize highly efficient green PhOLEDs. *Organic Electronics*, **2013**, 14, 1086-1093	3.5	28
191	Donor-acceptor small molecule with coplanar and rigid □bridge for efficient organic solar cells. *Solar Energy Materials and Solar Cells*, **2013**, 109, 33-39	6.4	20
190	Charge carrier dynamics of vapor-deposited small-molecule/fullerene organic solar cells. *Journal of the American Chemical Society*, **2013**, 135, 8790-3	16.4	25
189	Continuously tunable organic solid-state DFB laser utilizing molecular reorientation in molecular glasses. *Organic Electronics*, **2013**, 14, 2540-2545	3.5	5
188	Spontaneous Formation of Artificial Vesicles in Organic Media through Hydrogen-Bonding Interactions. *Macromolecules*, **2013**, 46, 1591-1598	5.5	13
187	Charge separation in donor-acceptor spiro compounds at metal and metal oxide surfaces investigated by surface photovoltage. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 5158-63	1.3	2
186	Fluorene-Based Asymmetric Bipolar Universal Hosts for White Organic Light Emitting Devices. *Advanced Functional Materials*, **2013**, 23, 3096-3105	15.6	122
185	Efficient and color-stable solid-state white light-emitting electrochemical cells employing red color conversion layers. *Organic Electronics*, **2012**, 13, 483-490	3.5	57
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