Chuluo Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

382 papers	17,661 citations	72 h-index	117 g-index
403 ext. papers	20,868 ext. citations	10.6 avg, IF	7.28 L-index

#	Paper	IF	Citations
382	Orange, red, and near-infrared thermally activated delayed fluorescent emitters **2022**, 193-234		
381	Rigid Bridge-Confined Double-Decker Platinum(II) Complexes Towards High-Performance Red and Near-Infrared Electroluminescence. *Angewandte Chemie*, **2022**, 134, e202113718	3.6	
380	Long excited state lifetime of thermally activated delayed fluorescent photosensitizer integrated into Metal-organic framework enables efficient CO2 photoreduction. *Chemical Engineering Journal*, **2022**, 431, 133897	14.7	2
379	Chiral thermally activated delayed fluorescence emitters for circularly polarized luminescence and efficient deep blue OLEDs. *Dyes and Pigments*, **2022**, 197, 109860	4.6	4
378	Molecular engineering by linkers enables delayed fluorescence emitters for high-efficiency sky-blue solution-processed OLEDs. *Chemical Engineering Journal*, **2022**, 430, 133078	14.7	2
377	Nematic liquid crystals induce and amplify the circularly polarized luminescence of chiral TADF emitters. *Journal of Materials Chemistry C*, **2022**, 10, 5065-5069	7.1	2
376	Narrowband blue emission with insensitivity to the doping concentration from an oxygen-bridged triarylboron-based TADF emitter: nondoped OLEDs with a high external quantum efficiency up to 21.4.. *Chemical Science*, **2022**, 13, 3402-3408	9.4	4
375	Non-fullerene Small-Molecule Acceptors for Organic Solar Cells **2022**, 145-214		0
374	High Performance Circularly Polarized Electroluminescence with Simultaneous Narrowband Emission, High Efficiency and Large Dissymmetry Factor.. *Advanced Materials*, **2022**, e2109147	24	2
373	Modulating LUMO extension of Spiro-junction TADF emitters for efficient OLEDs with relieved efficiency Roll-Off. *Chemical Engineering Journal*, **2022**, 437, 135222	14.7	3
372	Aggregation-induced delayed fluorescence for time-resolved luminescence sensing of carboxylesterase in living cells. *Chemical Engineering Journal*, **2022**, 437, 135396	14.7	2
371	Polycyclic phenazine-derived rigid donors construct thermally activated delayed fluorescence emitters for highly efficient orange OLEDs with extremely low roll-off. *Chemical Engineering Journal*, **2022**, 438, 135571	14.7	3
370	Simple Molecular Design Strategy for Multiresonance Induced TADF Emitter: Highly Efficient Deep Blue to Blue Electroluminescence with High Color Purity. *Advanced Optical Materials*, **2022**, 10, 2102092	8.1	7
369	Fine-Tuning Batch Factors of Polymer Acceptors Enables a Binary All-Polymer Solar Cell with High Efficiency of 16.11%. *Advanced Energy Materials*, **2022**, 12, 2103193	21.8	8
368	Aggregation-induced emission luminogens for organic light-emitting diodes **2022**, 315-372		
367	Red and near-infrared emissive palladium(II) complexes with tetradentate coordination framework and their application in OLEDs. *Chemical Engineering Journal*, **2022**, 446, 136834	14.7	1
366	High Performance Narrowband Pure-red OLEDs with External Quantum Efficiencies up to 36.1% and Ultra-low Efficiency Roll-off.. *Advanced Materials*, **2022**, e2201442	24	10

365	High-Performance Non-fullerene Organic Solar Cells Enabled by Noncovalent Conformational Locks and Side-Chain Engineering. *Chemical Engineering Journal*, **2022**, 137206	14.7	2
364	Exciton Management of Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Devices **2022**, 79-142		
363	Multipath exciton harvesting in diazine-based luminescent materials and their applications for organic light-emitting diodes. *Journal of Materials Chemistry C*, **2021**, 9, 17265-17286	7.1	4
362	Rigid Bridge-Confined Double-Decker Platinum(II) Complexes Towards High-Performance Red and Near-Infrared Electroluminescence. *Angewandte Chemie - International Edition*, **2021**,	16.4	3
361	Three Types of Charged Ligands Based Carboxyl-Containing Iridium(III) Complexes: Structures, Photophysics, and Solution Processed OLED Application. *Inorganic Chemistry*, **2021**, 60, 17699-17704	5.1	2
360	Quenching-Resistant Multiresonance TADF Emitter Realizes 40% External Quantum Efficiency in Narrowband Electroluminescence at High Doping Level. *Advanced Materials*, **2021**, e2106954	24	36
359	High-efficiency and low roll-off deep-blue OLEDs enabled by thermally activated delayed fluorescence emitter with preferred horizontal dipole orientation. *Chemical Engineering Journal*, **2021**, 433, 133598	14.7	3
358	Narrowing the Electroluminescence Spectra of Multiresonance Emitters for High-Performance Blue OLEDs by a Peripheral Decoration Strategy. *ACS Applied Materials & Interfaces*, **2021**,	9.5	9
357	Efficient blue thermally activated delayed fluorescent emitters based on a boranaphtho[3,2,1-de]anthracene acceptor. *Journal of Materials Chemistry C*, **2021**, 9, 17136-17142	7.1	3
356	Three types of charged ligand-based neutral phosphorescent iridium(III) complexes featuring -carborane: synthesis, structures, and solution processed organic light-emitting diode applications. *Dalton Transactions*, **2021**, 50, 16304-16310	4.3	3
355	Side by Side Alignment of Donors Enabling High-Efficiency TADF OLEDs with Insensitivity to Doping Concentration. *Advanced Optical Materials*, **2021**, 9, 2101410	8.1	4
354	Highly Efficient Thermally Activated Delayed Fluorescence from Pyrazine-Fused Carbene Au(I) Emitters. *Chemistry - A European Journal*, **2021**,	4.8	4
353	Confining electron donor and acceptor in space to realize high efficiency charge-transfer luminescence. *Science China Chemistry*, **2021**, 64, 165-166	7.9	2
352	High-Efficiency Red Electroluminescence Based on a Carbene-Cu(I)-Acridine Complex. *ACS Applied Materials & Interfaces*, **2021**, 13, 13478-13486	9.5	15
351	Ternary organic solar cells with PCEs of up to 16.6% by two complementary acceptors working in alloy-like model. *Organic Electronics*, **2021**, 91, 106085	3.5	6
350	Versatile Direct Cyclization Constructs Spiro-acridan Derivatives for Highly Efficient TADF emitters. *Angewandte Chemie - International Edition*, **2021**, 60, 12376-12380	16.4	20
349	Diverse emission properties of transition metal complexes beyond exclusive single phosphorescence and their wide applications. *Coordination Chemistry Reviews*, **2021**, 433, 213755	23.2	21
348	Highly efficient blue TADF emitters incorporating bulky acridine moieties and their application in solution-processed OLEDs. *Dyes and Pigments*, **2021**, 188, 109157	4.6	5

347	Versatile Direct Cyclization Constructs Spiro-acridan Derivatives for Highly Efficient TADF emitters. *Angewandte Chemie*, **2021**, 133, 12484-12488	3.6	4
346	Novel tetracoordinated organoboron emitters for thermally activated delayed fluorescence organic light-emitting diodes. *Dyes and Pigments*, **2021**, 188, 109192	4.6	1
345	Peripheral Decoration of Multi-Resonance Molecules as a Versatile Approach for Simultaneous Long-Wavelength and Narrowband Emission. *Advanced Functional Materials*, **2021**, 31, 2102017	15.6	43
344	28-1: Invited Paper: Efficient Thermally Activated Delayed Fluorescence Emitters with Preferentially Horizontal Dipole Orientations. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 349-350	0.5	
343	3D Triptycene-Fused Acridine Electron Donor Enables High-Efficiency Nondoped Thermally Activated Delayed Fluorescent OLEDs. *Advanced Optical Materials*, **2021**, 9, 2100273	8.1	6
342	Over 16% Efficiency of Thick-Film Organic Photovoltaics with Symmetric and Asymmetric Non-Fullerene Materials as Alloyed Acceptor. *Solar Rrl*, **2021**, 5, 2100365	7.1	6
341	Semitransparent Circularly Polarized Phosphorescent Organic Light-Emitting Diodes with External Quantum Efficiency over 30% and Dissymmetry Factor Close to 10□. *Advanced Functional Materials*, **2021**, 31, 2102898	15.6	13
340	Integrating molecular rigidity and chirality into thermally activated delayed fluorescence emitters for highly efficient sky-blue and orange circularly polarized electroluminescence. *Materials Horizons* , **2021**, 8, 547-555	14.4	34
339	Face-to-Face Orientation of Quasiplanar Donor and Acceptor Enables Highly Efficient Intramolecular Exciplex Fluorescence. *Angewandte Chemie - International Edition*, **2021**, 60, 3994-3998	16.4	46
338	A Pyrrole-Fused Asymmetrical Electron Acceptor for Polymer Solar Cells with Approaching 16% Efficiency. *Small Structures*, **2021**, 2, 2000052	8.7	8
337	High-efficiency red thermally activated delayed fluorescence emitters based on benzothiophene-fused spiro-acridine donor. *Chemical Engineering Journal*, **2021**, 405, 126663	14.7	22
336	De novo design of polymers embedded with platinum acetylides towards n-type organic thermoelectrics. *Chemical Engineering Journal*, **2021**, 405, 126692	14.7	8
335	Multicolor ultralong room-temperature phosphorescence from pure organic emitters by structural isomerism. *Chemical Engineering Journal*, **2021**, 408, 127309	14.7	9
334	Face-to-Face Orientation of Quasiplanar Donor and Acceptor Enables Highly Efficient Intramolecular Exciplex Fluorescence. *Angewandte Chemie*, **2021**, 133, 4040-4044	3.6	12
333	Rational design of perfectly oriented thermally activated delayed fluorescence emitter for efficient red electroluminescence. *Science China Materials*, **2021**, 64, 920-930	7.1	17
332	Triplet-triplet annihilation upconversion with reversible emission-tunability induced by chemical-stimuli: a remote modulator for photocontrol isomerization. *Materials Horizons*, **2021**, 8, 606-611	14.4	1
331	Modulating the Electron-Donating Ability of Acridine Donor Units for Orange-Red Thermally Activated Delayed Fluorescence Emitters. *Chemistry - A European Journal*, **2021**, 27, 3151-3158	4.8	7
330	Highly efficient thermally activated delayed fluorescence emitters enabled by double charge transfer pathways via ortho-linked triarylboron/carbazole hybrids. *Journal of Materials Chemistry C*, **2021**, 9, 1678-1684	7.1	6

329	Benzo[c][1,2,5]thiadiazole-fused pentacyclic small molecule acceptors for organic solar cells. *Dyes and Pigments*, **2021**, 185, 108970	4.6	1
328	A Plastic Scintillator Based on an Efficient Thermally Activated Delayed Fluorescence Emitter 9-(4-(4,6-diphenyl-1,3,5-triazin-2-yl)-2-methylphenyl)-3,6-dioctyl-9H-carbazole for Pulse Shape Discrimination Measurement. *Advanced Optical Materials*, **2021**, 9, 2001975	8.1	5
327	Multi-resonance organoboron-based fluorescent probe for ultra-sensitive, selective and reversible detection of fluoride ions. *Journal of Materials Chemistry C*, **2021**, 9, 1567-1571	7.1	9
326	Quinazoline-based thermally activated delayed fluorescence emitters for high-performance organic light-emitting diodes with external quantum efficiencies about 28%. *Journal of Materials Chemistry C*, **2021**, 9, 12633-12641	7.1	0
325	An unsymmetrical thermally activated delayed fluorescence emitter enables orange-red electroluminescence with 31.7% external quantum efficiency. *Materials Horizons*, **2021**, 8, 2286-2292	14.4	15
324	Color-tunable tetracoordinated organoboron complexes exhibiting aggregation-induced emission for the efficient turn-on detection of fluoride ions. *Materials Chemistry Frontiers*, **2021**, 5, 2353-2360	7.8	5
323	A facile approach for the preparation of liquid crystalline polyurethane for light-responsive actuator films with self-healing performance. *Materials Chemistry Frontiers*, **2021**, 5, 3192-3200	7.8	11
322	Three Types of Charged-Ligand-Based Blue□Green to Near-Infrared Emitting Iridium Complexes: Synthesis, Structures, and Organic Light-Emitting Diode Application. *Advanced Optical Materials*, **2021**, 9, 2002060	8.1	9
321	Photooxidation Analysis of Two Isomeric Nonfullerene Acceptors: A Systematic Study of Conformational, Morphological, and Environmental Factors. *Solar Rrl*, **2021**, 5, 2000704	7.1	2
320	On-off switchable thermally activated delayed fluorescence controlled by multiple channels: Understanding the mechanism behind distinctive polymorph-dependent optical properties. *Chemical Engineering Journal*, **2021**, 415, 128909	14.7	4
319	Unfused Electronic Acceptor-Based Polymers as Interfacial Materials for Efficient Inverted Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 33328-33334	9.5	2
318	Difluoroboron locking tactic enhances photo- and electroluminescence of TADF emitter. *Dyes and Pigments*, **2021**, 192, 109392	4.6	3
317	Deep-red thermally activated delayed fluorescence emitters based on a phenanthroline-containing planar acceptor. *Dyes and Pigments*, **2021**, 192, 109474	4.6	2
316	Tuning of F□ster Resonance Energy Transfer in Metal□Organic Frameworks: Toward Amplified Fluorescence Sensing. *CCS Chemistry*, **2021**, 3, 2054-2062	7.2	10
315	Solution-processed multiple exciplexes via spirofluorene and S-triazine moieties for red thermally activated delayed fluorescence emissive layer OLEDs. *Organic Electronics*, **2021**, 96, 106184	3.5	5
314	Realize efficient organic afterglow from simple halogenated acridan derivatives. *Chemical Engineering Journal*, **2021**, 419, 129598	14.7	5
313	Saccharin-derived multifunctional emitters featuring concurrently room temperature phosphorescence, thermally activated delayed fluorescence and aggregation-induced enhanced emission. *Chemical Engineering Journal*, **2021**, 419, 129628	14.7	4
312	Naphthalene-fused octacyclic electron-donating central core constructs non-fullerene acceptors for organic solar cells. *Chemical Engineering Journal*, **2021**, 425, 130618	14.7	1

311	Heavy-atom effect promotes multi-resonance thermally activated delayed fluorescence. *Chemical Engineering Journal*, **2021**, 426, 131169	14.7	33
310	The cis- and trans-orientation of benzo[1,2-b:4,5-b?]dithiophene-based isomers in organic solar cells. *Materials Chemistry Frontiers*, **2021**, 5, 1486-1494	7.8	2
309	Highly efficient red thermally activated delayed fluorescence emitters by manipulating the molecular horizontal orientation. *Materials Chemistry Frontiers*, **2021**, 5, 3209-3215	7.8	11
308	Sky-blue thermally activated delayed fluorescence polymers by using a conjugation-confined poly(aryl ether) main chain. *Polymer Chemistry*, **2021**, 12, 2490-2497	4.9	2
307	Triazatruxene based star-shaped thermally activated delayed fluorescence emitters: modulating the performance of solution-processed non-doped OLEDs via side-group engineering. *Journal of Materials Chemistry C*, **2021**, 9, 7363-7373	7.1	4
306	Highly emissive phosphorescence nanoparticles sensitized by a TADF polymer for time-resolved luminescence imaging. *Materials Chemistry Frontiers*, **2020**, 4, 2389-2397	7.8	4
305	A simple strategy to achieve efficient thermally activated delayed fluorescent emitters via enhancing electron donating ability of donors. *Dyes and Pigments*, **2020**, 180, 108521	4.6	2
304	Fine-Tuning Energy Levels via Asymmetric End Groups Enables Polymer Solar Cells with Efficiencies over 17%. *Joule*, **2020**, 4, 1236-1247	27.8	237
303	Superacid-catalyzed Friedel□rafts polyhydroxyalkylation: a straightforward method to construct sky-blue thermally activated delayed fluorescence polymers. *Polymer Chemistry*, **2020**, 11, 3481-3487	4.9	4
302	Designing versatile sulfoximine as accepting unit to regulate the photophysical properties of TADF emitters towards high-performance OLEDs. *Chemical Engineering Journal*, **2020**, 399, 125648	14.7	10
301	Unravelling Electroplex Emission from Long-Range Charge Transfer Based on a Phosphorescent Dendrimer as the Electron Donor. *Journal of Physical Chemistry Letters*, **2020**, 11, 5255-5262	6.4	9
300	Sky-blue thermally activated delayed fluorescence polymers with □nterrupted polymer mainchain via Friedel-Crafts polycondensation. *Polymer*, **2020**, 204, 122722	3.9	3
299	Isomerization enhanced quantum yield of dibenzo[a,c]phenazine-based thermally activated delayed fluorescence emitters for highly efficient orange OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 9639-9645	7.1	14
298	Dinuclear Zn Complexes Exhibiting Thermally Activated Delayed Fluorescence and Luminescence Polymorphism. *Chemistry - A European Journal*, **2020**, 26, 6887-6893	4.8	11
297	Over 15.7% Efficiency of Ternary Organic Solar Cells by Employing Two Compatible Acceptors with Similar LUMO Levels. *Small*, **2020**, 16, e2000441	11	45
296	Simultaneous enhanced efficiency and thermal stability in organic solar cells from a polymer acceptor additive. *Nature Communications*, **2020**, 11, 1218	17.4	111
295	Conformation-Tuning Effect of Asymmetric Small Molecule Acceptors on Molecular Packing, Interaction, and Photovoltaic Performance. *Small*, **2020**, 16, e2001942	11	30
294	An asymmetrical fused-ring electron acceptor designed by a cross-conceptual strategy achieving 15.6% efficiency. *Journal of Materials Chemistry A*, **2020**, 8, 14583-14591	13	19

293	Modulating the acceptor structure of dicyanopyridine based TADF emitters: Nearly 30% external quantum efficiency and suppression on efficiency roll-off in OLED. *Chemical Engineering Journal*, **2020**, 401, 126107	14.7	17
292	Regulating the photophysical properties of highly twisted TADF emitters by concurrent through-space/-bond charge transfer. *Chemical Engineering Journal*, **2020**, 402, 126173	14.7	26
291	Two similar near-infrared (IR) non-fullerene acceptors as near IR sensitizers for ternary solar cells. *Organic Electronics*, **2020**, 85, 105880	3.5	6
290	Achieving 21% External Quantum Efficiency for Nondoped Solution-Processed Sky-Blue Thermally Activated Delayed Fluorescence OLEDs by Means of Multi-(Donor/Acceptor) Emitter with Through-Space/-Bond Charge Transfer. *Advanced Science*, **2020**, 7, 1902087	13.6	74
289	A Red Thermally Activated Delayed Fluorescence Emitter Simultaneously Having High Photoluminescence Quantum Efficiency and Preferentially Horizontal Emitting Dipole Orientation. *Advanced Functional Materials*, **2020**, 30, 1908839	15.6	73
288	Organic Thermally Activated Delayed Fluorescence Materials for Time-Resolved Luminescence Imaging and Sensing. *Advanced Optical Materials*, **2020**, 8, 1902187	8.1	49
287	Novel Nitrogen-Containing Heterocyclic Non-Fullerene Acceptors for Organic PhotovoltaicCells: Different End-Capping Groups Leading to a Big Difference of Power Conversion Efficiencies. *ACS Applied Materials & Interfaces*, **2020**, 12, 13068-13076	9.5	15
286	Star-shaped thermally activated delayed fluorescence emitters with a tri-armed arylsulfonic acceptor for efficient solution processed organic light emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 5580-5586	7.1	8
285	Simultaneously High Upconversion Efficiency and Large Anti-Stokes Shift by Using Os(II) Complex Dyad as Triplet Photosensitizer. *Advanced Optical Materials*, **2020**, 8, 1902157	8.1	18
284	Polymorphism-dependent thermally activated delayed fluorescence materials with diverse three dimensional supramolecular frameworks. *Chemical Engineering Journal*, **2020**, 390, 124626	14.7	17
283	Altering alkyl-chains branching positions for boosting the performance of small-molecule acceptors for highly efficient nonfullerene organic solar cells. *Science China Chemistry*, **2020**, 63, 361-369	7.9	99
282	Extending Photoresponse to the Near-Infrared Region for Inverted Perovskite Solar Cells by Using a Low-Bandgap Electron Transporting Material. *Solar Rrl*, **2020**, 4, 1900565	7.1	5
281	Alloy-like ternary polymer solar cells with over 17.2% efficiency. *Science Bulletin*, **2020**, 65, 538-545	10.6	180
280	Over 14.5% efficiency and 71.6% fill factor of ternary organic solar cells with 300 nm thick active layers. *Energy and Environmental Science*, **2020**, 13, 958-967	35.4	148
279	Synergistic effects of the processing solvent and additive on the production of efficient all-polymer solar cells. *Nanoscale*, **2020**, 12, 4945-4952	7.7	12
278	Thick-Film Organic Solar Cells Achieving over 11% Efficiency and Nearly 70% Fill Factor at Thickness over 400 nm. *Advanced Functional Materials*, **2020**, 30, 1908336	15.6	70
277	Dithieno[3,2-:2',3'-]pyrrol-Fused Asymmetrical Electron Acceptors: A Study into the Effects of Nitrogen-Functionalization on Reducing Nonradiative Recombination Loss and Dipole Moment on Morphology. *Advanced Science*, **2020**, 7, 1902657	13.6	37
276	Molecular engineering by □Bond spacer enables solution-processable host materials for TADF emitter towards high-performance OLEDs. *Chemical Engineering Journal*, **2020**, 396, 125276	14.7	9

275	Purine-based thermally activated delayed fluorescence emitters for efficient organic light-emitting diodes. *Dyes and Pigments*, **2020**, 180, 108437	4.6	8
274	Organic and quantum-dot hybrid white LEDs using a narrow bandwidth blue TADF emitter. *Journal of Materials Chemistry C*, **2020**, 8, 10831-10836	7.1	4
273	Achieving Eco-Compatible Organic Solar Cells with Efficiency >16.5% Based on an Iridium Complex-Incorporated Polymer Donor. *Solar Rrl*, **2020**, 4, 2000156	7.1	29
272	High-efficiency all-small-molecule organic solar cells based on an organic molecule donor with an asymmetric thieno[2,3-f] benzofuran unit. *Science China Chemistry*, **2020**, 63, 1246-1255	7.9	40
271	AIE-active multicolor tunable luminogens: simultaneous mechanochromism and acidochromism with high contrast beyond 100 nm. *Materials Chemistry Frontiers*, **2020**, 4, 2047-2053	7.8	25
270	Polymorph-Dependent Thermally Activated Delayed Fluorescence Emitters: Understanding TADF from a Perspective of Aggregation State. *Angewandte Chemie - International Edition*, **2020**, 59, 9972-9976	16.4	42
269	A simple and effective strategy to lock the quasi-equatorial conformation of acridine by H-H repulsion for highly efficient thermally activated delayed fluorescence emitters. *Chemical Communications*, **2020**, 56, 2308-2311	5.8	8
268	Saturated red iridium(III) complexes containing a unique four-membered Ir□SCN backbone: mild synthesis and application in OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 1391-1397	7.1	5
267	A Layer-by-Layer Architecture for Printable Organic Solar Cells Overcoming the Scaling Lag of Module Efficiency. *Joule*, **2020**, 4, 407-419	27.8	159
266	Double-twist pyridine□arbonitrile derivatives yielding excellent thermally activated delayed fluorescence emitters for high-performance OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 602-606	7.1	12
265	Benzoylpyridine-based TADF emitters with AIE feature for efficient non-doped OLEDs by both evaporation and solution process. *Dyes and Pigments*, **2020**, 176, 108179	4.6	15
264	Polymorph-Dependent Thermally Activated Delayed Fluorescence Emitters: Understanding TADF from a Perspective of Aggregation State. *Angewandte Chemie*, **2020**, 132, 10058-10062	3.6	5
263	High-Efficiency White Organic Light-Emitting Diodes Based on All Nondoped Thermally Activated Delayed Fluorescence Emitters. *Advanced Materials Interfaces*, **2020**, 7, 1901758	4.6	9
262	Emerging circularly polarized thermally activated delayed fluorescence materials and devices. *Applied Physics Letters*, **2020**, 117, 130502	3.4	20
261	Acceptor plane expansion enhances horizontal orientation of thermally activated delayed fluorescence emitters. *Science Advances*, **2020**, 6,	14.3	47
260	Altering the Positions of Chlorine and Bromine Substitution on the End Group Enables High-Performance Acceptor and Efficient Organic Solar Cells. *Advanced Energy Materials*, **2020**, 10, 2002649	21.8	59
259	Efficient Yellow Thermally Activated Delayed Fluorescent Emitters Based on 3,5-Dicyanopyridine Acceptors. *Journal of Physical Chemistry C*, **2020**, 124, 25489-25498	3.8	3
258	Thermally activated delayed fluorescent polymer- assisted morphological control on perfluorinated ionomer enriched surface and exciton harvesting for phosphorescent organic light-emitting devices. *Dyes and Pigments*, **2020**, 183, 108718	4.6	3

257	Monoradically luminescent polymers by a super acid-catalyzed polymerization and deep-red electroluminescence. *Science China Chemistry*, **2020**, 63, 1214-1220	7.9	5
256	Adding a Third Component with Reduced Miscibility and Higher LUMO Level Enables Efficient Ternary Organic Solar Cells. *ACS Energy Letters*, **2020**, 5, 2711-2720	20.1	137
255	Pyrido[2,3-b]pyrazine-based full-color fluoresent materials for high-performance OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 12445-12449	7.1	7
254	The regioisomeric bromination effects of fused-ring electron acceptors: modulation of the optoelectronic property and miscibility endowing the polymer solar cells with 15% efficiency. *Journal of Materials Chemistry A*, **2020**, 8, 25101-25108	13	10
253	Precisely Controlling the Position of Bromine on the End Group Enables Well-Regular Polymer Acceptors for All-Polymer Solar Cells with Efficiencies over 15. *Advanced Materials*, **2020**, 32, e2005942	24	144
252	High-efficiency organic light emitting diodes using high-index transparent electrode. *Organic Electronics*, **2020**, 87, 105984	3.5	1
251	Lighting Silver(I) Complexes for Solution-Processed Organic Light-Emitting Diodes and Biological Applications via Thermally Activated Delayed Fluorescence. *Inorganic Chemistry*, **2020**, 59, 12122-12131	5.1	13
250	Isomerization Strategy of Nonfullerene Small-Molecule Acceptors for Organic Solar Cells. *Advanced Functional Materials*, **2020**, 30, 2004477	15.6	31
249	Manipulating the doping level via host-dopant synergism towards high performance n-type thermoelectric composites. *Chemical Engineering Journal*, **2020**, 382, 122817	14.7	15
248	Transfer printing of polymer light-emitting devices with a small molecular seeding layer featuring thermally activated delayed fluorescence for triplet harvesting. *Nanoscale Horizons*, **2020**, 5, 144-149	10.8	8
247	Enhanced Photovoltaic Performance by Synergistic Effect of Chlorination and Selenophene Bridge. *Macromolecules*, **2020**, 53, 2893-2901	5.5	15
246	Fused tetracyclic tris[1,2,4]triazolo[1,3,5]triazine as a novel rigid electron acceptor for efficient thermally activated delayed fluorescence emitters.. *RSC Advances*, **2020**, 10, 15523-15529	3.7	10
245	Significantly improving the performance of polymer solar cells by the isomeric ending-group based small molecular acceptors: Insight into the isomerization. *Nano Energy*, **2019**, 66, 104146	17.1	36
244	Energy level-modulated non-fullerene small molecule acceptors for improved VOC and efficiency of inverted perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 3336-3343	13	21
243	Simultaneous dual-colour tracking lipid droplets and lysosomes dynamics using a fluorescent probe. *Chemical Science*, **2019**, 10, 2342-2348	9.4	74
242	Isomerization of Perylene Diimide Based Acceptors Enabling High-Performance Nonfullerene Organic Solar Cells with Excellent Fill Factor. *Advanced Science*, **2019**, 6, 1802065	13.6	56
241	Green and yellow pyridazine-based phosphorescent Iridium(III) complexes for high-efficiency and low-cost organic light-emitting diodes. *Dyes and Pigments*, **2019**, 164, 206-212	4.6	11
240	Achieving Balanced Charge Transport and Favorable Blend Morphology in Non-Fullerene Solar Cells via Acceptor End Group Modification. *Chemistry of Materials*, **2019**, 31, 1752-1760	9.6	36

239	A universal layer-by-layer solution-processing approach for efficient non-fullerene organic solar cells. *Energy and Environmental Science*, **2019**, 12, 384-395	35.4	143
238	B- and N-embedded color-tunable phosphorescent iridium complexes and B-N Lewis adducts with intriguing structural and optical changes. *Chemical Science*, **2019**, 10, 3257-3263	9.4	35
237	Multifunctional asymmetrical molecules for high-performance perovskite and organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 2412-2420	13	11
236	Realizing 22.5% External Quantum Efficiency for Solution-Processed Thermally Activated Delayed-Fluorescence OLEDs with Red Emission at 622 nm via a Synergistic Strategy of Molecular Engineering and Host Selection. *Advanced Materials*, **2019**, 31, e1901404	24	122
235	Combining the qualities of carbazole and tetraphenyl silane in a desirable main chain for thermally activated delayed fluorescence polymers. *Polymer Chemistry*, **2019**, 10, 4201-4208	4.9	11
234	Tuning the emissive characteristics of TADF emitters by fusing heterocycles with acridine as donors: highly efficient orange to red organic light-emitting diodes with EQE over 20%. *Journal of Materials Chemistry C*, **2019**, 7, 9087-9094	7.1	16
233	Strategic-tuning of radiative excitons for efficient and stable fluorescent white organic light-emitting diodes. *Nature Communications*, **2019**, 10, 2380	17.4	60
232	Fused-Ring Core Engineering for Small Molecule Acceptors Enable High-Performance Nonfullerene Polymer Solar Cells. *Small Methods*, **2019**, 3, 1900280	12.8	12
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