Liang-Sheng Liao

List of Publications by Year in Descending Order

434 papers	16,798 citations	68 h-index	107 g-index
453 ext. papers	20,095 ext. citations	8.9 avg, IF	7.14 L-index

#	Paper	IF	Citations
434	Segregated array tailoring charge-transfer (CT) degree of organic cocrystal for the efficient near-infrared emission beyond 760 nm.. *Advanced Materials*, **2022**, e2107169	24	11
433	Annealing-free perovskite films by EDOT-assisted anti-solvent strategy for flexible indoor and outdoor photovoltaics. *Nano Energy*, **2022**, 94, 106866	17.1	3
432	Systematic strategy for high-performance small molecular hybrid white OLED via blade coating at ambient condition. *Organic Electronics*, **2022**, 100, 106366	3.5	0
431	Positive isotope effect in thermally activated delayed fluorescence emitters based on deuterium-substituted donor units. *Chemical Engineering Journal*, **2022**, 430, 132822	14.7	3
430	Efficient circularly polarized thermally activated delayed fluorescence hetero-[4]helicene with carbonyl-/sulfone-bridged triarylamine structures. *Journal of Materials Chemistry C*, **2022**, 10, 4393-4401	7.1	2
429	Isomeric thermally activated delayed fluorescence emitters based on a quinolino[3,2,1-de]acridine-5,9-dione multiple resonance core and carbazole substituent. *Materials Chemistry Frontiers*, **2022**, 6, 966-972	7.8	3
428	Exciplex host coupled with a micro-cavity enabling high efficiency OLEDs with narrow emission profile. *Journal of Materials Chemistry C*, **2022**, 10, 5666-5671	7.1	
427	Organic white-light sources: multiscale construction of organic luminescent materials from molecular to macroscopic level. *Science China Chemistry*, **2022**, 65, 740-745	7.9	6
426	Thermally Activated Delayed Fluorescent Gain Materials: Harvesting Triplet Excitons for Lasing.. *Advanced Science*, **2022**, e2200525	13.6	3
425	Overcoming Degradation Pathways to Achieve Stable Blue Perovskite Light-Emitting Diodes. *ACS Energy Letters*, **2022**, 7, 1348-1354	20.1	5
424	In-situ inorganic ligand replenishment enables bandgap stability in mixed-halide perovskite quantum dot solids.. *Advanced Materials*, **2022**, e2200854	24	11
423	Unraveling the role of active hydrogen caused by carbonyl groups in surface-defect passivation of perovskite photovoltaics. *Nano Energy*, **2022**, 97, 107200	17.1	4
422	Shape-engineering of organic heterostructures via a sequential self-assembly strategy for multi-channel photon transportation. *Nano Research*, **2022**, 15, 3781-3787	10	1
421	Correlation between small polaron tunneling relaxation and donor ionization in Ga2O3. *Applied Physics Letters*, **2022**, 120, 172105	3.4	
420	Smart Textiles Based on MoS Hollow Nanospheres for Personal Thermal Management. *ACS Applied Materials & Interfaces*, **2021**, 13, 48988-48996	9.5	6
419	Spatial donor/acceptor architecture for intramolecular charge-transfer emitter. *Chinese Chemical Letters*, **2021**, 32, 1245-1248	8.1	5
418	Cascaded Excited-State Intramolecular Proton Transfer Towards Near-Infrared Organic Lasers Beyond 850 nm. *Angewandte Chemie*, **2021**, 133, 9196-9201	3.6	1

417	Cascaded Excited-State Intramolecular Proton Transfer Towards Near-Infrared Organic Lasers Beyond 850 nm. *Angewandte Chemie - International Edition*, **2021**, 60, 9114-9119	16.4	20
416	Optical waveguides based on one-dimensional organic crystals. *PhotoniX*, **2021**, 2,	19	18
415	Organic superstructure microwires with hierarchical spatial organisation. *Nature Communications*, **2021**, 12, 2252	17.4	14
414	Lycopene-Based Bionic Membrane for Stable Perovskite Photovoltaics. *Advanced Functional Materials*, **2021**, 31, 2011242	15.6	20
413	Highly efficient near-infrared thermally activated delayed fluorescence material based on a spirobifluorene decorated donor. *Organic Electronics*, **2021**, 91, 106088	3.5	3
412	Stacked Thermally Activated Delayed Fluorescence Emitters with Alkyl Chain Modulation. *CCS Chemistry*, **2021**, 3, 1757-1763	7.2	5
411	Over 800 nm Emission via Harvesting of Triplet Excitons in Exciplex Organic Light-Emitting Diodes. *Journal of Physical Chemistry Letters*, **2021**, 12, 6034-6040	6.4	6
410	All-Inorganic Quantum-Dot LEDs Based on a Phase-Stabilized CsPbI Perovskite. *Angewandte Chemie - International Edition*, **2021**, 60, 16164-16170	16.4	59
409	Multi-Layer Stacked Molecules as Efficient Thermally Activated Delayed Fluorescence Emitters. *Angewandte Chemie*, **2021**, 133, 5273-5279	3.6	8
408	Waveguiding and Lasing in 2D Organic Semiconductor Znq2. *Advanced Photonics Research*, **2021**, 2, 2000157	3	
407	Multi-Layer Stacked Molecules as Efficient Thermally Activated Delayed Fluorescence Emitters. *Angewandte Chemie - International Edition*, **2021**, 60, 5213-5219	16.4	35
406	Asymmetrical planar acridine-based hole-transporting materials for highly efficient perovskite solar cells. *Chemical Engineering Journal*, **2021**, 413, 127440	14.7	1
405	TiI4-doping induced bulk defects passivation in halide perovskites for high efficient photovoltaic devices. *Organic Electronics*, **2021**, 88, 105973	3.5	
404	Inverted with power efficiency over 220 lm W. *Nano Energy*, **2021**, 82, 105660	17.1	1
403	Super-Stacking Self-Assembly of Organic Topological Heterostructures. *CCS Chemistry*, **2021**, 3, 413-424	7.2	25
402	Fully Bridged Triphenylamine Derivatives as Color-Tunable Thermally Activated Delayed Fluorescence Emitters. *Organic Letters*, **2021**, 23, 958-962	6.2	25
401	A narrowband blue circularly polarized thermally activated delayed fluorescence emitter with a hetero-helicene structure. *Chemical Communications*, **2021**, 57, 11041-11044	5.8	10
400	Ultra-Bright and Stable Pure Blue Light-Emitting Diode from O, N Co-Doped Carbon Dots. *Laser and Photonics Reviews*, **2021**, 15, 2000412	8.3	22

399	Dimers with thermally activated delayed fluorescence (TADF) emission in non-doped device. *Journal of Materials Chemistry C*, **2021**, 9, 4792-4798	7.1	4
398	Harvesting triplet excitons for near-infrared electroluminescence via thermally activated delayed fluorescence channel. *IScience*, **2021**, 24, 102123	6.1	9
397	Intramolecular-Locked High Efficiency Ultrapure Violet-Blue (CIE-y . *Advanced Functional Materials*, **2021**, 31, 2009488	15.6	34
396	Hierarchical Self-Assembly of Organic Core/Multi-Shell Microwires for Trichromatic White-Light Sources. *Advanced Materials*, **2021**, 33, e2102719	24	19
395	□stacked donor-acceptor molecule to realize hybridized local and charge-transfer excited state emission with multi-stimulus response. *Chemical Engineering Journal*, **2021**, 418, 129366	14.7	10
394	31.1: Invited Paper: Emitters with Narrow-band Emission: Molecular Design Strategy. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 414-414	0.5	
393	Efficient and Spectrally Stable Blue Perovskite Light-Emitting Diodes Employing a Cationic □Conjugated Polymer. *Advanced Materials*, **2021**, 33, e2103640	24	18
392	Light-emitting carbon dots extracted from naturally grown torreya grandis seeds. *Organic Electronics*, **2021**, 96, 106255	3.5	0
391	Research Progress of Intramolecular □Stacked Small Molecules for Device Applications. *Advanced Materials*, **2021**, e2104125	24	21
390	Highly efficient deep-red TADF organic light-emitting diodes via increasing the acceptor strength of fused polycyclic aromatics. *Chemical Engineering Journal*, **2021**, 424, 130470	14.7	12
389	Fine synthesis of hierarchical CuO/Cu(OH)2 urchin-like nanoparticles for efficient removal of Cr(VI). *Journal of Alloys and Compounds*, **2021**, 884, 161052	5.7	0
388	Suppressed oxidation of tin perovskite by Catechin for eco-friendly indoor photovoltaics. *Applied Physics Letters*, **2021**, 118, 023501	3.4	17
387	W18O49/N-doped reduced graphene oxide hybrid architectures for full-spectrum photocatalytic degradation of organic contaminants in water. *Journal of Materials Chemistry C*, **2021**, 9, 829-835	7.1	4
386	Homoleptic Ir(III) Phosphors with 2-Phenyl-1,2,4-triazol-3-ylidene Chelates for Efficient Blue Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2021**,	9.5	5
385	Evolution of pure hydrocarbon hosts: simpler structure, higher performance and universal application in RGB phosphorescent organic light-emitting diodes. *Chemical Science*, **2020**, 11, 4887-4894	9.4	35
384	A Bright and Stable Violet Carbon Dot Light-Emitting Diode. *Advanced Optical Materials*, **2020**, 8, 2000239	9.1	16
383	Organic Lasers Harnessing Excited State Intramolecular Proton Transfer Process. *ACS Photonics*, **2020**, 7, 1355-1366	6.3	22
382	Acceptor modulation for improving a spiro-type thermally activated delayed fluorescence emitter. *Journal of Materials Chemistry C*, **2020**, 8, 8579-8584	7.1	17

381	Indium doped CsPbI3 films for inorganic perovskite solar cells with efficiency exceeding 17%. *Nano Research*, **2020**, 13, 2203-2208	10	19
380	Highly efficient luminescence from space-confined charge-transfer emitters. *Nature Materials*, **2020**, 19, 1332-1338	27	182
379	Indoor Thin-Film Photovoltaics: Progress and Challenges. *Advanced Energy Materials*, **2020**, 10, 2000641	21.8	48
378	Micro Organic Light Emitting Diode Arrays by Patterned Growth on Structured Polypyrrole. *Advanced Optical Materials*, **2020**, 8, 1902105	8.1	9
377	Near-Infrared Organic Single-Crystal Nanolaser Arrays Activated by Excited-State Intramolecular Proton Transfer. *Matter*, **2020**, 2, 1233-1243	12.7	40
376	Overcoming the energy gap law in near-infrared OLEDs by exciton–vibration decoupling. *Nature Photonics*, **2020**, 14, 570-577	33.9	92
375	High-performance organic light-emitting diodes with natural white emission based on thermally activated delayed fluorescence emitters. *Journal of Materials Chemistry C*, **2020**, 8, 10431-10437	7.1	5
374	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. *Nature Nanotechnology*, **2020**, 15, 668-674	28.7	281
373	Two-Dimensional Organic Semiconductor Crystals for Photonics Applications. *ACS Applied Nano Materials*, **2020**, 3, 1080-1097	5.6	24
372	Fine Synthesis of Longitudinal/Horizontal-Growth Organic Heterostructures for the Optical Logic Gates. *Advanced Electronic Materials*, **2020**, 6, 1901268	6.4	5
371	High-performance sky-blue phosphorescent organic light-emitting diodes employing wide-bandgap bipolar host materials with thermally activated delayed fluorescence characteristics. *Organic Electronics*, **2020**, 81, 105660	3.5	7
370	Delayed Fluorescence Emitter Enables Near 17% Efficiency Ternary Organic Solar Cells with Enhanced Storage Stability and Reduced Recombination Energy Loss. *Advanced Functional Materials*, **2020**, 30, 1909837	15.6	75
369	All-Fluorescence White Organic Light-Emitting Diodes Exceeding 20% EQEs by Rational Manipulation of Singlet and Triplet Excitons. *Advanced Functional Materials*, **2020**, 30, 1910633	15.6	25
368	Chlorine Vacancy Passivation in Mixed Halide Perovskite Quantum Dots by Organic Pseudohalides Enables Efficient Rec. 2020 Blue Light-Emitting Diodes. *ACS Energy Letters*, **2020**, 5, 793-798	20.1	100
367	Auger Effect Assisted Perovskite Electroluminescence Modulated by Interfacial Minority Carriers. *Advanced Functional Materials*, **2020**, 30, 1909222	15.6	18
366	Exciplex-Based Organic Light-Emitting Diodes with Near-Infrared Emission. *Advanced Optical Materials*, **2020**, 8, 1901917	8.1	15
365	Structurally controlled singlet-triplet splitting for blue star-shaped thermally activated delayed fluorescence emitters incorporating the tricarbazoles-triazine motifs. *Organic Electronics*, **2020**, 84, 105783	3.5	3
364	Highly efficient exciplex-based OLEDs incorporating a novel electron donor. *Materials Chemistry Frontiers*, **2020**, 4, 1648-1655	7.8	6

363	Donor-spiro-acceptor architecture for green thermally activated delayed fluorescence (TADF) emitter. *Organic Electronics*, **2020**, 77, 105520	3.5	8
362	Nondoped organic light-emitting diodes with low efficiency roll-off: the combination of aggregation-induced emission, hybridized local and charge-transfer state as well as high photoluminescence efficiency. *Journal of Materials Chemistry C*, **2020**, 8, 3079-3087	7.1	16
361	Lead Oxalate-Induced Nucleation Retardation for High-Performance Indoor and Outdoor Perovskite Photovoltaics. *ACS Applied Materials & Interfaces*, **2020**, 12, 836-843	9.5	9
360	Through Space Charge Transfer for Efficient Sky-Blue Thermally Activated Delayed Fluorescence (TADF) Emitter with Unconjugated Connection. *Advanced Optical Materials*, **2020**, 8, 1901150	8.1	41
359	Synergistic Effect of Dual Ligands on Stable Blue Quasi-2D Perovskite Light-Emitting Diodes. *Advanced Functional Materials*, **2020**, 30, 1908339	15.6	64
358	Efficient Violet Organic Light-Emitting Diodes with CIEy of 0.02 Based on Spiro Skeleton. *Advanced Optical Materials*, **2020**, 8, 2001074	8.1	16
357	Circularly Polarized Thermally Activated Delayed Fluorescence Emitters in Through-Space Charge Transfer on Asymmetric Spiro Skeletons. *Journal of the American Chemical Society*, **2020**, 142, 17756-17765	16.4	81
356	Organic single-crystalline whispering-gallery mode microlasers with efficient optical gain activated via excited state intramolecular proton transfer luminogens. *Journal of Materials Chemistry C*, **2020**, 8, 11916-11921	7.1	8
355	Chelating-agent-assisted control of CsPbBr quantum well growth enables stable blue perovskite emitters. *Nature Communications*, **2020**, 11, 3674	17.4	45
354	Near-Infrared Electroluminescence beyond 800 nm with High Efficiency and Radiance from Anthracene Cored Emitters. *Angewandte Chemie - International Edition*, **2020**, 59, 21578-21584	16.4	20
353	Near-Infrared Electroluminescence beyond 800 nm with High Efficiency and Radiance from Anthracene Cored Emitters. *Angewandte Chemie*, **2020**, 132, 21762-21768	3.6	8
352	Sky-Blue Thermally Activated Delayed Fluorescence with Intramolecular Spatial Charge Transfer Based on a Dibenzothiophene Sulfone Emitter. *Journal of Organic Chemistry*, **2020**, 85, 10628-10637	4.2	27
351	Spiro-type host materials with rigidified skeletons for RGB phosphorescent OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 12470-12477	7.1	7
350	Real-time interface investigation on degradation mechanism of organic light-emitting diode by in-operando X-ray spectroscopies. *Organic Electronics*, **2020**, 87, 105901	3.5	1
349	Durable strategies for perovskite photovoltaics. *APL Materials*, **2020**, 8, 100703	5.7	3
348	Highly Efficient Thermally Activated Delayed Fluorescence via an Unconjugated Donor-Acceptor System Realizing EQE of Over 30. *Advanced Materials*, **2020**, 32, e2003885	24	76
347	Molecular- and Structural-Level Organic Heterostructures for Multicolor Photon Transportation. *Journal of Physical Chemistry Letters*, **2020**, 11, 7517-7524	6.4	7
346	Construction and optoelectronic applications of organic core/shell micro/nanostructures. *Materials Horizons*, **2020**, 7, 3161-3175	14.4	9

345	Recent Advances in Organic Whispering-Gallery Mode Lasers. *Laser and Photonics Reviews*, **2020**, 14, 2000257	8.3	20
344	Efficient All-Inorganic Perovskite Light-Emitting Diodes with Cesium Tungsten Bronze as a Hole-Transporting Layer. *Journal of Physical Chemistry Letters*, **2020**, 11, 7624-7629	6.4	6
343	Tin Halide Perovskites: Progress and Challenges. *Advanced Energy Materials*, **2020**, 10, 1902584	21.8	76
342	Progress of Triple Cation Organometal Halide Perovskite Solar Cells. *Energy Technology*, **2020**, 8, 1900804	3.5	15
341	Organic heterostructures composed of one- and two-dimensional polymorphs for photonic applications. *Science China Chemistry*, **2020**, 63, 1477-1482	7.9	26
340	UV-Stable and Highly Efficient Perovskite Solar Cells by Employing Wide Band gap NaTaO as an Electron-Transporting Layer. *ACS Applied Materials & Interfaces*, **2020**, 12, 21772-21778	9.5	7
339	Multichannel Effect of Triplet Excitons for Highly Efficient Green and Red Phosphorescent OLEDs. *Advanced Optical Materials*, **2020**, 8, 2000556	8.1	10
338	Charge-Transfer Complexes: Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel (Adv. Funct. Mater. 38/2019). *Advanced Functional Materials*, **2019**, 29, 1970263	15.6	2
337	General Mild Reaction Creates Highly Luminescent Organic-Ligand-Lacking Halide Perovskite Nanocrystals for Efficient Light-Emitting Diodes. *Journal of the American Chemical Society*, **2019**, 141, 15423-15432	16.4	79
336	Low-temperature solution-processed hybrid interconnecting layer with bulk/interfacial synergistic effect in symmetric tandem organic solar cells. *Organic Electronics*, **2019**, 75, 105423	3.5	8
335	Hierarchical self-assembly of organic heterostructure nanowires. *Nature Communications*, **2019**, 10, 3839	17.4	73
334	A decacyclic indacenodithiophene-based non-fullerene electron acceptor with meta-alkyl-phenyl substitutions for polymer solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 4063-4071	13	13
333	Flower-like MoS2 nanocrystals: a powerful sorbent of Li+ in the Spiro-OMeTAD layer for highly efficient and stable perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 3655-3663	13	37
332	High-Quality White Organic Light-Emitting Diodes Composed of Binary Emitters with Color Rendering Index Exceeding 80 by Utilizing Color Remedy Strategy. *Advanced Functional Materials*, **2019**, 29, 1807541	15.6	35
331	Surface CH3NH3+ to CH3+ Ratio Impacts the Work Function of Solution-Processed and Vacuum-Sublimed CH3NH3PbI3 Thin Films. *Advanced Materials Interfaces*, **2019**, 6, 1801827	4.6	8
330	Deep-Blue and Hybrid-White Organic Light Emitting Diodes Based on a Twisting Carbazole-Benzofuro[2,3-b]Pyrazine Fluorescent Emitter. *Molecules*, **2019**, 24,	4.8	12
329	Low-Threshold Organic Lasers Based on Single-Crystalline Microribbons of Aggregation-Induced Emission Luminogens. *Journal of Physical Chemistry Letters*, **2019**, 10, 679-684	6.4	17
328	9,9′-Bicarbazole: New Molecular Skeleton for Organic Light-Emitting Diodes. *Chemistry - A European Journal*, **2019**, 25, 4501-4508	4.8	17

327	In Situ Construction of One-Dimensional Component-Interchange Organic Core/Shell Microrods for Multicolor Continuous-Variable Optical Waveguide. *ACS Applied Materials & Interfaces*, **2019**, 11, 5298-5305	9.5	22
326	The roles of thermally activated delayed fluorescence sensitizers for efficient red fluorescent organic light-emitting diodes with D□□A type emitters. *Materials Chemistry Frontiers*, **2019**, 3, 161-167	7.8	11
325	Triplet exciton harvesting by multi-process energy transfer in fluorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 977-985	7.1	21
324	Design and Synthesis of Donor-□□Acceptor-Type Dispiro Molecules. *Organic Letters*, **2019**, 21, 5281-5284	6.2	6
323	Transformation from Nonlasing to Lasing in Organic Solid-State through the Cocrystal Engineering. *ACS Photonics*, **2019**, 6, 1798-1803	6.3	20
322	□Ga2O3 Nanocrystals Electron-Transporting Layer for High-Performance Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1900201	7.1	4
321	Recent Advances in 1D Organic Solid-State Lasers. *Advanced Functional Materials*, **2019**, 29, 1902981	15.6	33
320	Controllable Fabrication of In-Series Organic Heterostructures for Optical Waveguide Application. *Advanced Optical Materials*, **2019**, 7, 1900373	8.1	16
319	One-shot triphenylamine/phenylketone hybrid as a bipolar host material for efficient red phosphorescent organic light-emitting diodes. *Synthetic Metals*, **2019**, 254, 42-48	3.6	2
318	Polarized Ferroelectric Polymers for High-Performance Perovskite Solar Cells. *Advanced Materials*, **2019**, 31, e1902222	24	64
317	Fluorenone-based thermally activated delayed fluorescence materials for orange-red emission. *Organic Electronics*, **2019**, 73, 240-246	3.5	7
316	A SrGeO3 inorganic electron-transporting layer for high-performance perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 14559-14564	13	7
315	Dibenzothiophene, dibenzofuran and pyridine substituted tetraphenyl silicon derivatives hosts for green phosphorescent organic light-emitting diodes. *Organic Electronics*, **2019**, 71, 258-265	3.5	2
314	Perovskite Grains Embraced in a Soft Fullerene Network Make Highly Efficient Flexible Solar Cells with Superior Mechanical Stability. *Advanced Materials*, **2019**, 31, e1901519	24	88
313	High-efficiency exciplex-based white organic light-emitting diodes with a new tripodal material as a co-host. *Journal of Materials Chemistry C*, **2019**, 7, 7267-7272	7.1	10
312	Organic bulk-heterojunction injected perovskite films for highly efficient solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 6391-6397	7.1	6
311	Morphology control of CsPbBr3 films by a surface active Lewis base for bright all-inorganic perovskite light-emitting diodes. *Applied Physics Letters*, **2019**, 114, 163302	3.4	11
310	Incorporating a tercarbazole donor in a spiro-type host material for efficient RGB phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 6714-6720	7.1	29

309	Active whispering-gallery-mode optical microcavity based on self-assembled organic microspheres. *Journal of Materials Chemistry C*, **2019**, 7, 3443-3446	7.1	23
308	C1-Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for High-Performance Blue Phosphorescent OLEDs. *Angewandte Chemie*, **2019**, 131, 3888-3893	3.6	15
307	Progress of Lead-Free Halide Double Perovskites. *Advanced Energy Materials*, **2019**, 9, 1803150	21.8	192
306	A sky-blue thermally activated delayed fluorescence emitter based on multimodified carbazole donor for efficient organic light-emitting diodes. *Organic Electronics*, **2019**, 68, 113-120	3.5	15
305	Composition Stoichiometry of CsAgBiBr Films for Highly Efficient Lead-Free Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 2066-2073	11.5	148
304	High-efficiency organic light-emitting diodes with exciplex hosts. *Journal of Materials Chemistry C*, **2019**, 7, 11329-11360	7.1	65
303	Crystalline Liquid-like Behavior: Surface-Induced Secondary Grain Growth of Photovoltaic Perovskite Thin Film. *Journal of the American Chemical Society*, **2019**, 141, 13948-13953	16.4	96
302	Enhanced Light Utilization in Semitransparent Organic Photovoltaics Using an Optical Outcoupling Architecture. *Advanced Materials*, **2019**, 31, e1903173	24	64
301	Highly efficient deep-red organic light-emitting diodes using exciplex-forming co-hosts and thermally activated delayed fluorescence sensitizers with extended lifetime. *Journal of Materials Chemistry C*, **2019**, 7, 9531-9536	7.1	8
300	Tailored Phase Transformation of CsPbIBr Films by Copper(II) Bromide for High-Performance All-Inorganic Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 5176-5184	11.5	105
299	Planar starburst hole-transporting materials for highly efficient perovskite solar cells. *Nano Energy*, **2019**, 63, 103865	17.1	23
298	Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel. *Advanced Functional Materials*, **2019**, 29, 1903112	15.6	39
297	High-Efficiency Red Organic Light-Emitting Diodes with External Quantum Efficiency Close to 30% Based on a Novel Thermally Activated Delayed Fluorescence Emitter. *Advanced Materials*, **2019**, 31, e1902368	24	152
296	Optimization of Low-Dimensional Components of Quasi-2D Perovskite Films for Deep-Blue Light-Emitting Diodes. *Advanced Materials*, **2019**, 31, e1904319	24	146
295	Near-Infrared Solid-State Lasers Based on Small Organic Molecules. *ACS Photonics*, **2019**, 6, 2590-2599	6.3	19
294	Management of Exciton for Highly-Efficient Hybrid White Organic Light-Emitting Diodes with a Non-Doped Blue Emissive Layer. *Molecules*, **2019**, 24,	4.8	1
293	52.5: High-Quality White Organic Light-Emitting Diodes by Employing Rational Exciplex Allocation and Color Remedy Effect. *Digest of Technical Papers SID International Symposium*, **2019**, 50, 580-580	0.5	
292	Interfacial engineering for highly efficient quasi-two dimensional organic–inorganic hybrid perovskite light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 4344-4349	7.1	26

291	Influence of a lecithin additive on the performance of all-inorganic perovskite light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 2905-2910	7.1	16
290	C1-Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for High-Performance Blue Phosphorescent OLEDs. *Angewandte Chemie - International Edition*, **2019**, 58, 3848-3853	16.4	68
289	Highly efficient red thermally activated delayed fluorescence materials based on a cyano-containing planar acceptor. *Journal of Materials Chemistry C*, **2019**, 7, 15301-15307	7.1	18
288	High transmittance Er-doped ZnO thin films as electrodes for organic light-emitting diodes. *Applied Physics Letters*, **2019**, 115, 252102	3.4	10
287	Controllable synthesis of barnyardgrass-like CuO/Cu2O heterostructure nanowires for highly sensitive non-enzymatic glucose sensors. *Journal of Materials Chemistry C*, **2019**, 7, 14874-14880	7.1	20
286	Surfacial ligand management of a perovskite film for efficient and stable light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 14725-14730	7.1	3
285	Alleviating Efficiency Roll-Off of Hybrid Single-Emitting Layer WOLED Utilizing Bipolar TADF Material as Host and Emitter. *ACS Applied Materials & Interfaces*, **2019**, 11, 2197-2204	9.5	36
284	The Design of Fused Amine/Carbonyl System for Efficient Thermally Activated Delayed Fluorescence: Novel Multiple Resonance Core and Electron Acceptor. *Advanced Optical Materials*, **2019**, 7, 1801536	8.1	97
283	Modulation of p-type units in tripodal bipolar hosts towards highly efficient red phosphorescent OLEDs. *Dyes and Pigments*, **2019**, 162, 632-639	4.6	7
282	Near-infrared non-fullerene acceptors based on dithienyl[1,2-b:4,5-b′]benzodithiophene core for high performance PTB7-Th-based polymer solar cells. *Organic Electronics*, **2019**, 65, 63-69	3.5	9
281	Deep-blue thermally activated delayed fluorescence materials with high glass transition temperature. *Journal of Luminescence*, **2019**, 206, 146-153	3.8	9
280	N-type Doping of Organic-Inorganic Hybrid Perovskites Toward High-Performance Photovoltaic Devices. *Solar Rrl*, **2019**, 3, 1800269	7.1	10
279	design of D-A molecules as universal hosts for monochrome and white phosphorescent organic light-emitting diodes. *Chemical Science*, **2018**, 9, 4062-4070	9.4	49
278	Tunable Emission Color and Morphology of Organic Microcrystals by a "Cocrystal" Approach. *Advanced Optical Materials*, **2018**, 6, 1701300	8.1	34
277	The role of fluorine-substitution on the bridge in constructing effective thermally activated delayed fluorescence molecules. *Journal of Materials Chemistry C*, **2018**, 6, 5536-5541	7.1	24
276	Blue thermally activated delayed fluorescence materials based on bi/tri-carbazole derivatives. *Organic Electronics*, **2018**, 58, 238-244	3.5	3
275	A novel spiro-annulated benzimidazole host for highly efficient blue phosphorescent organic light-emitting devices. *Chemical Communications*, **2018**, 54, 4541-4544	5.8	22
274	Direct observation of cation-exchange in liquid-to-solid phase transformation in FA1−xMAxPbI3 based perovskite solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 9081-9088	13	29

273	Novel o-D-A arylamine/arylphosphine oxide hybrid hosts for efficient phosphorescent organic light-emitting diodes. *Organic Electronics*, **2018**, 56, 186-191	3.5	6
272	Novel tetraarylsilane-based hosts for blue phosphorescent organic light-emitting diodes. *Organic Electronics*, **2018**, 55, 117-125	3.5	1
271	A blue thermally activated delayed fluorescence emitter developed by appending a fluorene moiety to a carbazole donor with meta-linkage for high-efficiency OLEDs. *Materials Chemistry Frontiers*, **2018**, 2, 917-922	7.8	31
270	Controlled synthesis of organic single-crystalline nanowires via the synergy approach of the bottom-up/top-down processes. *Nanoscale*, **2018**, 10, 5140-5147	7.7	16
269	Tilted Spiro-Type Thermally Activated Delayed Fluorescence Host for 100% Exciton Harvesting in Red Phosphorescent Electronics with Ultralow Doping Ratio. *Advanced Functional Materials*, **2018**, 28, 1706228	15.6	54
268	Spirobi[dibenzo[b,e][1,4]azasiline]: a novel platform for host materials in highly efficient organic light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 1023-1030	7.1	17
267	Passivated Perovskite Crystallization via g-C3N4 for High-Performance Solar Cells. *Advanced Functional Materials*, **2018**, 28, 1705875	15.6	158
266	Polyphenylnaphthalene as a Novel Building Block for High-Performance Deep-Blue Organic Light-Emitting Devices. *Advanced Optical Materials*, **2018**, 6, 1700855	8.1	22
265	Dispiro and Propellane: Novel Molecular Platforms for Highly Efficient Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 1925-1932	9.5	18
264	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. *Organic Electronics*, **2018**, 55, 1-5	3.5	8
263	Efficient near-infrared organic light-emitting diodes based on a bipolar host. *Journal of Materials Chemistry C*, **2018**, 6, 1407-1412	7.1	6
262	Pb-Sn-Cu Ternary Organometallic Halide Perovskite Solar Cells. *Advanced Materials*, **2018**, 30, e1800258	24	82
261	N-Type Doping of Fullerenes for Planar Perovskite Solar Cells. *ACS Energy Letters*, **2018**, 3, 875-882	20.1	50
260	Novel carbazole derivatives designed by an ortho-linkage strategy for efficient phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 4300-4307	7.1	12
259	New carbazole-based bipolar hosts for efficient blue phosphorescent organic light-emitting diodes. *Organic Electronics*, **2018**, 52, 138-145	3.5	15
258	Doped Copper Phthalocyanine via an Aqueous Solution Process for Normal and Inverted Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1701688	21.8	64
257	Interface Modification by Ionic Liquid: A Promising Candidate for Indoor Light Harvesting and Stability Improvement of Planar Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1801509	21.8	128
256	9-Silafluorene and 9-germafluorene: novel platforms for highly efficient red phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 8144-8151	7.1	16

255	2D Organic Photonics: An Asymmetric Optical Waveguide in Self-Assembled Halogen-Bonded Cocrystals. *Angewandte Chemie*, **2018**, 130, 11470-11474	3.6	33
254	Enhanced Electrical Property of Compact TiO2 Layer via Platinum Doping for High-Performance Perovskite Solar Cells. *Solar Rrl*, **2018**, 2, 1800149	7.1	19
253	Thermally activated delayed fluorescence sensitizer for D□A type emitters with orange-red light emission. *Journal of Materials Chemistry C*, **2018**, 6, 10030-10035	7.1	12
252	2D Organic Photonics: An Asymmetric Optical Waveguide in Self-Assembled Halogen-Bonded Cocrystals. *Angewandte Chemie - International Edition*, **2018**, 57, 11300-11304	16.4	72
251	Organic Nanophotonics: Self-Assembled Single-Crystalline Homo-/Heterostructures for Optical Waveguides. *ACS Photonics*, **2018**, 5, 3763-3771	6.3	32
250	Recent advances in electron acceptors with ladder-type backbone for organic solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 17256-17287	13	45
249	High-Efficiency White Organic Light-Emitting Diodes Integrating Gradient Exciplex Allocation System and Novel D-Spiro-A Materials. *ACS Applied Materials & Interfaces*, **2018**, 10, 29840-29847	9.5	36
248	Efficient Near-Infrared Emission by Adjusting the Guest□Host Interactions in Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2018**, 28, 1802597	15.6	32
247	Management of excitons for highly efficient organic light-emitting diodes with reduced triplet exciton quenching: synergistic effects of exciplex and quantum well structure. *Journal of Materials Chemistry C*, **2018**, 6, 342-349	7.1	23
246	Graphdiyne-modified cross-linkable fullerene as an efficient electron-transporting layer in organometal halide perovskite solar cells. *Nano Energy*, **2018**, 43, 47-54	17.1	106
245	Controllable Synthesis of Organic Microcrystals with Tunable Emission Color and Morphology Based on Molecular Packing Mode. *Small*, **2018**, 14, 1702952	11	20
244	Hole-Transporting Materials Incorporating Carbazole into Spiro-Core for Highly Efficient Perovskite Solar Cells. *Advanced Functional Materials*, **2018**, 29, 1807094	15.6	49
243	Sequential Self-Assembly of 1D Branched Organic Homostructures with Optical Logic Gate Function. *Advanced Functional Materials*, **2018**, 28, 1804915	15.6	26
242	High-Performance White Organic Light-Emitting Diodes with Simplified Structure Incorporating Novel Exciplex-Forming Host. *ACS Applied Materials & Interfaces*, **2018**, 10, 39116-39123	9.5	22
241	Self-Assembled High Quality CsPbBr Quantum Dot Films toward Highly Efficient Light-Emitting Diodes. *ACS Nano*, **2018**, 12, 9541-9548	16.7	113
240	Rational synthesis of organic single-crystalline microrods and microtubes for efficient optical waveguides. *Journal of Materials Chemistry C*, **2018**, 6, 9594-9598	7.1	17
239	Highly efficient non-doped deep-blue organic light-emitting diodes by employing a highly rigid skeleton. *Dyes and Pigments*, **2018**, 158, 396-401	4.6	9
238	Fluorescence/phosphorescence-conversion in self-assembled organic microcrystals. *Chemical Communications*, **2018**, 54, 5895-5898	5.8	8

237	Doped Charge-Transporting Layers in Planar Perovskite Solar Cells. *Advanced Optical Materials*, **2018**, 6, 1800276	8.1	56
236	Short-axis substitution approach on ladder-type benzodithiophene-based electron acceptor toward highly efficient organic solar cells. *Science China Chemistry*, **2018**, 61, 1405-1412	7.9	14
235	A series of spirofluorene-based host materials for efficient phosphorescent organic light-emitting diodes. *Organic Electronics*, **2018**, 61, 70-77	3.5	10
234	Phosphorescent platinum(II) complexes based on spiro linkage-containing ligands. *Journal of Materials Chemistry C*, **2017**, 5, 1944-1951	7.1	13
233	Highly Simplified Tandem Organic Light-Emitting Devices Incorporating a Green Phosphorescence Ultrathin Emitter within a Novel Interface Exciplex for High Efficiency. *ACS Applied Materials & Interfaces*, **2017**, 9, 10955-10962	9.5	48
232	White-Emissive Self-Assembled Organic Microcrystals. *Small*, **2017**, 13, 1604110	11	37
231	Highly Efficient Deep-Blue Electroluminescence from a Charge-Transfer Emitter with Stable Donor Skeleton. *ACS Applied Materials & Interfaces*, **2017**, 9, 7331-7338	9.5	77
230	CHNHPbICl under Different Fabrication Strategies: Electronic Structures and Energy-Level Alignment with an Organic Hole Transport Material. *ACS Applied Materials & Interfaces*, **2017**, 9, 7859-7865	9.5	17
229	High-efficiency quantum dot light-emitting diodes employing lithium salt doped poly(9-vinylcarbazole) as a hole-transporting layer. *Journal of Materials Chemistry C*, **2017**, 5, 5372-5377	7.1	39
228	Over 10% EQE Near-Infrared Electroluminescence Based on a Thermally Activated Delayed Fluorescence Emitter. *Advanced Functional Materials*, **2017**, 27, 1700986	15.6	175
227	Luminescence-/morphology-modulation of organic microcrystals by a protonation process. *Journal of Materials Chemistry C*, **2017**, 5, 6661-6666	7.1	7
226	Dibenzo[g,p]chrysene: A new platform for highly efficient red phosphorescent organic light-emitting diodes. *Dyes and Pigments*, **2017**, 146, 234-239	4.6	17
225	Competition between Arene□Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. *Angewandte Chemie*, **2017**, 129, 10488-10492	3.6	31
224	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. *Angewandte Chemie - International Edition*, **2017**, 56, 10352-10356	16.4	105
223	Donor-□Acceptor Molecules for Green Thermally Activated Delayed Fluorescence by Spatially Approaching Spiro Conformation. *Organic Letters*, **2017**, 19, 3155-3158	6.2	40
222	Aminoborane-based bipolar host material for blue and white-emitting electrophosphorescence devices. *Organic Electronics*, **2017**, 48, 112-117	3.5	11
221	Polymer as an Additive in the Emitting Layer for High-Performance Quantum Dot Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2017**, 9, 20239-20246	9.5	43
220	Solution-Processed Thermally Activated Delayed Fluorescence Exciplex Hosts for Highly Efficient Blue Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2017**, 5, 1700012	8.1	21

219	Highly phosphorescent cyclometalated platinum(II) complexes based on 2-phenylbenzimidazole-containing ligands. *Journal of Materials Chemistry C*, **2017**, 5, 6202-6209	7.1	24
218	A near-infrared non-fullerene electron acceptor for high performance polymer solar cells. *Energy and Environmental Science*, **2017**, 10, 1610-1620	35.4	238
217	White Organic LED with a Luminous Efficacy Exceeding 100 lm W□1 without Light Out-Coupling Enhancement Techniques. *Advanced Functional Materials*, **2017**, 27, 1701314	15.6	134
216	Orthogonally substituted aryl derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes. *Organic Electronics*, **2017**, 46, 105-114	3.5	13
215	Solution-Processed Extremely Efficient Multicolor Perovskite Light-Emitting Diodes Utilizing Doped Electron Transport Layer. *Advanced Functional Materials*, **2017**, 27, 1606874	15.6	73
214	Small Molecule-Polymer Composite Hole-Transporting Layer for Highly Efficient and Stable Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 13240-13246	9.5	52
213	Efficient non-doped deep blue organic light emitting diodes with high external quantum efficiency and a low efficiency roll-off based on donor-acceptor molecules. *Dyes and Pigments*, **2017**, 142, 499-506	4.6	25
212	Highly Simplified Reddish Orange Phosphorescent Organic Light-Emitting Diodes Incorporating a Novel Carrier- and Exciton-Confining Spiro-Exciplex-Forming Host for Reduced Efficiency Roll-off. *ACS Applied Materials & Interfaces*, **2017**, 9, 2701-2710	9.5	39
211	Facet-Selective Growth of Organic Heterostructured Architectures via Sequential Crystallization of Structurally Complementary □Conjugated Molecules. *Nano Letters*, **2017**, 17, 695-701	11.5	28
210	D□□-Type Emitter Featuring Benzo[c][1,2,5]thiadiazole and Polar C?N Bond as Tandem Acceptor for High-Performance Near-Infrared Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2017**, 5, 1700566	8.1	14
209	Efficient sky-blue emitting Pt(II) complexes based on imidazo[1,2-f]phenanthridine-containing tetradentate ligands. *Journal of Materials Chemistry C*, **2017**, 5, 9496-9503	7.1	15
208	Molecular-Oriented Self-Assembly of Small Organic Molecules into Uniform Microspheres. *Crystal Growth and Design*, **2017**, 17, 4527-4532	3.5	5
207	Isomeric Effects of Solution Processed Ladder-Type Non-Fullerene Electron Acceptors. *Solar Rrl*, **2017**, 1, 1700107	7.1	41
206	High performance blue quantum dot light-emitting diodes employing polyethylenimine ethoxylated as the interfacial modifier. *Nanoscale*, **2017**, 9, 14792-14797	7.7	27
205	Flash-evaporated small molecule films toward low-cost and flexible organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 10721-10727	7.1	17
204	Highly efficient and thickness-tolerable bulk heterojunction polymer solar cells based on P3HT donor and a low-bandgap non-fullerene acceptor. *Journal of Power Sources*, **2017**, 364, 426-431	8.9	6
203	An Imide-Based Pentacyclic Building Block for n-Type Organic Semiconductors. *Chemistry - A European Journal*, **2017**, 23, 14723-14727	4.8	10
202	Vacuum-evaporated all-inorganic cesium lead bromine perovskites for high-performance light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 8144-8149	7.1	58

201	High Efficiency Near-Infrared and Semitransparent Non-Fullerene Acceptor Organic Photovoltaic Cells. *Journal of the American Chemical Society*, **2017**, 139, 17114-17119	16.4	312
200	WO3 nanobelt doped PEDOT:PSS layers for efficient hole-injection in quantum dot light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 12343-12348	7.1	20
199	Design principles of carbazole/dibenzothiophene derivatives as host material in modern efficient organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 6989-6996	7.1	20
198	Highly luminescent platinum(II) complexes based on pyrazolo[1,5-f]phenanthridine-containing ligands. *Organic Electronics*, **2017**, 50, 473-479	3.5	17
197	Long-lived efficient delayed fluorescence organic light-emitting diodes using n-type hosts. *Nature Communications*, **2017**, 8, 2250	17.4	120
196	Micro organic light-emitting diodes fabricated through area-selective growth. *Materials Chemistry Frontiers*, **2017**, 1, 2606-2612	7.8	9
195	A novel electron-acceptor moiety as a building block for efficient donor-acceptor based fluorescent organic lighting-emitting diodes. *Chemical Communications*, **2016**, 53, 263-265	5.8	19
194	Enhanced crystallization and stability of perovskites by a cross-linkable fullerene for high-performance solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 15088-15094	13	62
193	Simplified Hybrid White Organic Light-Emitting Diodes with a Mixed Fluorescent Blue Emitting Layer for Exciton Managing and Lifetime Improving. *Advanced Optical Materials*, **2016**, 4, 2051-2056	8.1	29
192	Blue OLEDs: Controlling Synergistic Oxidation Processes for Efficient and Stable Blue Thermally Activated Delayed Fluorescence Devices (Adv. Mater. 35/2016). *Advanced Materials*, **2016**, 28, 7807-7807	24	2
191	Thermally Activated Delayed Fluorescence Material as Host with Novel Spiro-Based Skeleton for High Power Efficiency and Low Roll-Off Blue and White Phosphorescent Devices. *Advanced Functional Materials*, **2016**, 26, 7929-7936	15.6	74
190	Constructing luminescent particle/MOF composites by employing polyvinylpyrrolidone-modified organic crystals as seeds. *Chemical Communications*, **2016**, 52, 12318-12321	5.8	7
189	New advances in small molecule hole-transporting materials for perovskite solar cells. *Chinese Chemical Letters*, **2016**, 27, 1293-1303	8.1	16
188	De Novo Design of Boron-Based Host Materials for Highly Efficient Blue and White Phosphorescent OLEDs with Low Efficiency Roll-Off. *ACS Applied Materials & Interfaces*, **2016**, 8, 20230-6	9.5	38
187	Utilizing 9,10-dihydroacridine and pyrazine-containing donor□cceptor host materials for highly efficient red phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 7869-7874	7.1	15
186	An effective host material with thermally activated delayed fluorescence formed by confined conjugation for red phosphorescent organic light-emitting diodes. *Chemical Communications*, **2016**, 52, 8149-51	5.8	36
185	Non-fullerene polymer solar cells based on a selenophene-containing fused-ring acceptor with photovoltaic performance of 8.6%. *Energy and Environmental Science*, **2016**, 9, 3429-3435	35.4	154
184	Highly Efficient Blue Phosphorescent Organic Light-Emitting Diodes Employing a Host Material with Small Bandgap. *ACS Applied Materials & Interfaces*, **2016**, 8, 16186-91	9.5	43

183	Doped hole injection bilayers for solution processable blue phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 6570-6574	7.1	15
182	The Control of Conjugation Lengths and Steric Hindrance to Modulate Aggregation-Induced Emission with High Electroluminescence Properties and Interesting Optical Properties. *Chemistry - A European Journal*, **2016**, 22, 916-24	4.8	13
181	A room-temperature CuAlO2 hole interfacial layer for efficient and stable planar perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 1326-1335	13	96
180	Highly phosphorescent platinum(II) complexes based on rigid unsymmetric tetradentate ligands. *Organic Electronics*, **2016**, 32, 120-125	3.5	26
179	Non-fullerene acceptor with low energy loss and high external quantum efficiency: towards high performance polymer solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 5890-5897	13	202
178	Low-temperature sol□el processed AlOx gate dielectric buffer layer for improved performance in pentacene-based OFETs. *RSC Advances*, **2016**, 6, 28801-28808	3.7	6
177	A new synthesis strategy for acridine derivatives to constructing novel host for phosphorescent organic light-emitting diodes. *Dyes and Pigments*, **2016**, 126, 131-137	4.6	19
176	Solution-processable iridium phosphors for efficient red and white organic light-emitting diodes with low roll-off. *Journal of Materials Chemistry C*, **2016**, 4, 1250-1256	7.1	21
175	A surface modification layer capable of tolerating substrate contamination on transparent electrodes of organic electronic devices. *Organic Electronics*, **2016**, 28, 217-224	3.5	4
174	Controlling Synergistic Oxidation Processes for Efficient and Stable Blue Thermally Activated Delayed Fluorescence Devices. *Advanced Materials*, **2016**, 28, 7620-5	24	136
173	Novel spiro-based host materials for application in blue and white phosphorescent organic light-emitting diodes. *Organic Electronics*, **2016**, 37, 108-114	3.5	11
172	Dopant-Free Spiro-Triphenylamine/Fluorene as Hole-Transporting Material for Perovskite Solar Cells with Enhanced Efficiency and Stability. *Advanced Functional Materials*, **2016**, 26, 1375-1381	15.6	194
171	High Efficiency Pb-In Binary Metal Perovskite Solar Cells. *Advanced Materials*, **2016**, 28, 6695-703	24	185
170	Enhanced efficiency and stability in organic light-emitting diodes by employing a p-i-n-p structure. *Applied Physics Letters*, **2016**, 109, 173302	3.4	2
169	Chlorinated indium tin oxide electrode by InCl3 aqueous solution for high-performance organic light-emitting diodes. *Applied Physics Letters*, **2016**, 108, 153303	3.4	10
168	Efficiency Enhancement of Perovskite Solar Cells by Pumping Away the Solvent of Precursor Film Before Annealing. *Nanoscale Research Letters*, **2016**, 11, 248	5	9
167	Induced Crystallization of Perovskites by a Perylene Underlayer for High-Performance Solar Cells. *ACS Nano*, **2016**, 10, 5479-89	16.7	111
166	Tandem Organic Light-Emitting Diodes. *Advanced Materials*, **2016**, 28, 10381-10408	24	86

165	A fused-ring based electron acceptor for efficient non-fullerene polymer solar cells with small HOMO offset. *Nano Energy*, **2016**, 27, 430-438	17.1	112
164	Copper Salts Doped Spiro-OMeTAD for High-Performance Perovskite Solar Cells. *Advanced Energy Materials*, **2016**, 6, 1601156	21.8	172
163	Perovskite Solar Cells: High Efficiency Pb-In Binary Metal Perovskite Solar Cells (Adv. Mater. 31/2016). *Advanced Materials*, **2016**, 28, 6767	24	4
162	Origin of light manipulation in nano-honeycomb structured organic light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 1666-1671	7.1	15
161	Spiro-fused N-phenylcarbazole-based host materials for blue phosphorescent organic light-emitting diodes. *Organic Electronics*, **2015**, 20, 112-118	3.5	18
160	A low temperature gradual annealing scheme for achieving high performance perovskite solar cells with no hysteresis. *Journal of Materials Chemistry A*, **2015**, 3, 14424-14430	13	32
159	Theoretical model for the external quantum efficiency of organic light-emitting diodes and its experimental validation. *Organic Electronics*, **2015**, 25, 200-205	3.5	11
158	Strongly phosphorescent platinum(II) complexes supported by tetradentate benzazole-containing ligands. *Journal of Materials Chemistry C*, **2015**, 3, 8212-8218	7.1	29
157	High efficiency and low driving voltage blue/white electrophosphorescence enabled by the synergistic combination of singlet and triplet energy of bicarbazole derivatives. *Organic Electronics*, **2015**, 26, 25-29	3.5	8
156	A facile way to synthesize high-triplet-energy hosts for blue phosphorescent organic light-emitting diodes with high glass transition temperature and low driving voltage. *Dyes and Pigments*, **2015**, 122, 6-12	4.6	18
155	Improved hole interfacial layer for planar perovskite solar cells with efficiency exceeding 15%. *ACS Applied Materials & Interfaces*, **2015**, 7, 9645-51	9.5	108
154	Efficient blue/white phosphorescent organic light-emitting diodes based on a silicon-based host material via a direct carbon□itrogen bond. *Journal of Materials Chemistry C*, **2015**, 3, 5347-5353	7.1	15
153	Origin of Enhanced Hole Injection in Organic Light-Emitting Diodes with an Electron-Acceptor Doping Layer: p-Type Doping or Interfacial Diffusion?. *ACS Applied Materials & Interfaces*, **2015**, 7, 11965-71	9.5	35
152	Planar perovskite solar cells with 15.75% power conversion efficiency by cathode and anode interfacial modification. *Journal of Materials Chemistry A*, **2015**, 3, 13533-13539	13	111
151	Design and Synthesis of Pyrimidine-Based Iridium(III) Complexes with Horizontal Orientation for Orange and White Phosphorescent OLEDs. *ACS Applied Materials & Interfaces*, **2015**, 7, 11007-14	9.5	68
150	A host material consisting of phosphinic amide for efficient sky-blue phosphorescent organic light-emitting diodes. *Synthetic Metals*, **2015**, 205, 11-17	3.6	4
149	Effective host materials for blue/white organic light-emitting diodes by utilizing the twisted conjugation structure in 10-phenyl-9,10-dihydroacridine block. *Chemistry - an Asian Journal*, **2015**, 10, 1402-9	4.5	27
148	A stacked Al/Ag anode for short circuit protection in ITO free top-emitting organic light-emitting diodes. *RSC Advances*, **2015**, 5, 96478-96482	3.7	4

147	The study on two kinds of spiro systems for improving the performance of host materials in blue phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 9053-9056	7.1	18
146	Nano-honeycomb structured transparent electrode for enhanced light extraction from organic light-emitting diodes. *Applied Physics Letters*, **2015**, 106, 223301	3.4	23
145	Inverted and large flexible organic light-emitting diodes with low operating voltage. *Journal of Materials Chemistry C*, **2015**, 3, 12399-12402	7.1	18
144	Microstructural and electrical properties of CuAlO2 ceramic prepared by a novel solvent-free ester elimination process. *Journal of Alloys and Compounds*, **2015**, 653, 219-227	5.7	13
143	A solution-processed bathocuproine cathode interfacial layer for high-performance bromine-iodine perovskite solar cells. *Physical Chemistry Chemical Physics*, **2015**, 17, 26653-8	3.6	89
142	Orthogonal Molecular Structure for Better Host Material in Blue Phosphorescence and Larger OLED White Lighting Panel. *Advanced Functional Materials*, **2015**, 25, 645-650	15.6	132
141	Origin of improved stability in green phosphorescent organic light-emitting diodes based on a dibenzofuran/spirobifluorene hybrid host. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 381-387	2.6	16
140	High efficiency hybrid PEDOT:PSS/nanostructured silicon Schottky junction solar cells by doping-free rear contact. *Energy and Environmental Science*, **2015**, 8, 297-302	35.4	196
139	Conductive Inorganic-Organic Hybrid Distributed Bragg Reflectors. *Advanced Materials*, **2015**, 27, 6696-701	24	13
138	Controllable Perovskite Crystallization by Water Additive for High-Performance Solar Cells. *Advanced Functional Materials*, **2015**, 25, 6671-6678	15.6	282
137	Pure Hydrocarbon Hosts for 100% Exciton Harvesting in Both Phosphorescent and Fluorescent Light-Emitting Devices. *Advanced Materials*, **2015**, 27, 4213-7	24	149
136	Flexible organic light emitting diodes fabricated on biocompatible silk fibroin substrate. *Semiconductor Science and Technology*, **2015**, 30, 104004	1.8	31
135	An efficient organic–inorganic hybrid hole injection layer for organic light-emitting diodes by aqueous solution doping. *Journal of Materials Chemistry C*, **2015**, 3, 6218-6223	7.1	18
134	Fluorescent silicon nanoparticles utilized as stable color converters for white light-emitting diodes. *Applied Physics Letters*, **2015**, 106, 173109	3.4	21
133	Large-Scale Green Synthesis of Fluorescent Carbon Nanodots and Their Use in Optics Applications. *Advanced Optical Materials*, **2015**, 3, 103-111	8.1	74
132	Inverted planar NH2CH=NH2PbI3 perovskite solar cells with 13.56% efficiency via low temperature processing. *Physical Chemistry Chemical Physics*, **2015**, 17, 19745-50	3.6	65
131	Charge-Transfer Emission of Mixed Organic Cocrystal Microtubes over the Whole Composition Range. *Chemistry of Materials*, **2015**, 27, 1157-1163	9.6	59
130	Rational Design of Dibenzothiophene-Based Host Materials for PHOLEDs. *Journal of Physical Chemistry C*, **2014**, 118, 2375-2384	3.8	36

129	Spiro-annulated hole-transport material outperforms NPB with higher mobility and stability in organic light-emitting diodes. *Dyes and Pigments*, **2014**, 107, 15-20	4.6	18
128	A rational molecular design on choosing suitable spacer for better host materials in highly efficient blue and white phosphorescent organic light-emitting diodes. *Organic Electronics*, **2014**, 15, 1368-1377	3.5	20
127	A Novel Route to Surface-Enhanced Raman Scattering: Ag Nanoparticles Embedded in the Nanogaps of a Ag Substrate. *Advanced Optical Materials*, **2014**, 2, 588-596	8.1	23
126	Asymmetric design of bipolar host materials with novel 1,2,4-oxadiazole unit in blue phosphorescent device. *Organic Letters*, **2014**, 16, 1622-5	6.2	46
125	Synthesis of new bipolar host materials based on 1,2,4-oxadiazole for blue phosphorescent OLEDs. *Dyes and Pigments*, **2014**, 101, 142-149	4.6	33
124	Highly efficient single-layer organic light-emitting devices based on a bipolar pyrazine/carbazole hybrid host material. *Journal of Materials Chemistry C*, **2014**, 2, 2488-2495	7.1	61
123	Clean surface transfer of graphene films via an effective sandwich method for organic light-emitting diode applications. *Journal of Materials Chemistry C*, **2014**, 2, 201-207	7.1	52
122	Role of hole injection layer in intermediate connector of tandem organic light-emitting devices. *Organic Electronics*, **2014**, 15, 3694-3701	3.5	16
121	Interfacial degradation effects of aqueous solution-processed molybdenum trioxides on the stability of organic solar cells evaluated by a differential method. *Applied Physics Letters*, **2014**, 105, 113301	3.4	19
120	Aqueous solution-processed MoO3thick films as hole injection and short-circuit barrier layer in large-area organic light-emitting devices. *Applied Physics Express*, **2014**, 7, 111601	2.4	30
119	A novel intermediate connector with improved charge generation and separation for large-area tandem white organic lighting devices. *Journal of Materials Chemistry C*, **2014**, 2, 10403-10408	7.1	51
118	A rational design of carbazole-based host materials with suitable spacer group towards highly-efficient blue phosphorescence. *Journal of Materials Chemistry C*, **2014**, 2, 6387	7.1	29
117	Lithium hydride doped intermediate connector for high-efficiency and long-term stable tandem organic light-emitting diodes. *ACS Applied Materials & Interfaces*, **2014**, 6, 18228-32	9.5	38
116	Improved host material for electrophosphorescence by positional engineering of spirobifluorene□arbazole hybrids. *Journal of Materials Chemistry C*, **2014**, 2, 8736-8744	7.1	20
115	Control of conjugation degree via position engineering to highly efficient phosphorescent host materials. *Organic Letters*, **2014**, 16, 3748-51	6.2	43
114	Two-dimensional optical waveguiding and luminescence vapochromic properties of 8-hydroxyquinoline zinc (Znq2) hexagonal microsheets. *Chemical Communications*, **2014**, 50, 10812-4	5.8	12
113	Investigating blue phosphorescent iridium cyclometalated dopant with phenyl-imidazole ligands. *Organic Electronics*, **2014**, 15, 3127-3136	3.5	32
112	Host to Guest Energy Transfer Mechanism in Phosphorescent and Fluorescent Organic Light-Emitting Devices Utilizing Exciplex-Forming Hosts. *Journal of Physical Chemistry C*, **2014**, 118, 24006-24012	4.8	50

111	Highly efficient inverted polymer solar cells using aqueous ammonia processed ZnO as an electron selective layer. *Applied Physics A: Materials Science and Processing*, **2014**, 116, 993-999	2.6	
110	Work-function tuneable and aqueous solution-processed Cs2CO3 for high-performance polymer solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 9400	13	15
109	Light extraction enhancement from organic light-emitting diodes with randomly scattered surface fixture. *Applied Surface Science*, **2014**, 314, 858-863	6.7	18
108	Direct comparison of charge transport and electronic traps in polymer fullerene blends under dark and illuminated conditions. *Organic Electronics*, **2014**, 15, 299-305	3.5	13
107	A simple method for fabricating p n junction photocatalyst CuFe2O4/Bi4Ti3O12 and its photocatalytic activity. *Materials Chemistry and Physics*, **2014**, 143, 952-962	4.4	66
106	Improved device reliability in organic light emitting devices by controlling the etching of indium zinc oxide anode. *Chinese Physics B*, **2014**, 23, 118508	1.2	
105	The influence of charge injection from intermediate connectors on the performance of tandem organic light-emitting devices. *Journal of Applied Physics*, **2014**, 116, 223708	2.5	12
104	Highly stable and efficient tandem organic light-emitting devices with intermediate connectors using lithium amide as n-type dopant. *Applied Physics Letters*, **2014**, 105, 083301	3.4	17
103	Materials, Designs, Fabrications, and Applications of Organic Electronic Devices. *International Journal of Photoenergy*, **2014**, 2014, 1-2	2.1	1
102	Low driving voltage simplified tandem organic light-emitting devices by using exciplex-forming hosts. *Applied Physics Letters*, **2014**, 105, 153302	3.4	21
101	Efficient optical absorption enhancement in organic solar cells by using a 2-dimensional periodic light trapping structure. *Applied Physics Letters*, **2014**, 104, 243904	3.4	12
100	Heterojunction with Organic Thin Layers on Silicon for Record Efficiency Hybrid Solar Cells. *Advanced Energy Materials*, **2014**, 4, 1300923	21.8	93
99	Highly efficient phosphorescent organic light-emitting diodes using a homoleptic iridium(III) complex as a sky-blue dopant. *Organic Electronics*, **2013**, 14, 2596-2601	3.5	86
98	Aqueous solution-processed MoO3 as an effective interfacial layer in polymer/fullerene based organic solar cells. *Organic Electronics*, **2013**, 14, 657-664	3.5	61
97	D A structured porphyrins for efficient dye-sensitized solar cells. *Journal of Materials Chemistry A* , **2013**, 1, 10008	13	58
96	Silicon-based material with spiro-annulated fluorene/triphenylamine as host and exciton-blocking layer for blue electrophosphorescent devices. *Chemistry - A European Journal*, **2013**, 19, 11791-7	4.8	29
95	Spiro-annulated triarylamine-based hosts incorporating dibenzothiophene for highly efficient single-emitting layer white phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2013**, 1, 6575	7.1	46
94	Origin of enhanced electrical and conducting properties in pentacene films doped by molybdenum trioxide. *Organic Electronics*, **2013**, 14, 2698-2704	3.5	48

93	Plasmon resonance enhanced optical absorption in inverted polymer/fullerene solar cells with metal nanoparticle-doped solution-processable TiO2 layer. *ACS Applied Materials & Interfaces*, **2013**, 5, 2935-42	9.5	103
92	Bipolar host materials for high efficiency phosphorescent organic light emitting diodes: tuning the HOMO/LUMO levels without reducing the triplet energy in a linear system. *Journal of Materials Chemistry C*, **2013**, 1, 8177	7.1	61
91	The application of single-layer graphene modified with solution-processed TiOx and PEDOT:PSS as a transparent conductive anode in organic light-emitting diodes. *Organic Electronics*, **2013**, 14, 3348-3354	3.5	37
90	Aqueous solution-processed GeO2: an anode interfacial layer for high performance and air-stable organic solar cells. *ACS Applied Materials & Interfaces*, **2013**, 5, 10866-73	9.5	38
89	meta-Linked spirobifluorene/phosphine oxide hybrids as host materials for deep blue phosphorescent organic light-emitting diodes. *Organic Electronics*, **2013**, 14, 1924-1930	3.5	42
88	Enhancement of electroluminescence efficiency and stability in phosphorescent organic light-emitting diodes with double exciton-blocking layers. *Organic Electronics*, **2013**, 14, 1177-1182	3.5	32
87	Novel dibenzothiophene based host materials incorporating spirobifluorene for high-efficiency white phosphorescent organic light-emitting diodes. *Organic Electronics*, **2013**, 14, 902-908	3.5	35
86	Selective growth of dual-color-emitting heterogeneous microdumbbells composed of organic charge-transfer complexes. *Journal of the American Chemical Society*, **2013**, 135, 3744-7	16.4	100
85	A simple systematic design of phenylcarbazole derivatives for host materials to high-efficiency phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2013**, 1, 3967	7.1	45
84	Emissive osmium(II) complexes with tetradentate bis(pyridylpyrazolate) chelates. *Inorganic Chemistry*, **2013**, 52, 5867-75	5.1	47
83	Highly Efficient White Organic Light-Emitting Diodes with Controllable Excitons Behavior by a Mixed Interlayer between Fluorescence Blue and Phosphorescence Yellow-Emitting Layers. *International Journal of Photoenergy*, **2013**, 2013, 1-7	2.1	4
82	Dual roles of MoO3-doped pentacene thin films as hole-extraction and multicharge-separation functions in pentacene/C60 heterojunction organic solar cells. *Applied Physics Letters*, **2013**, 102, 113305	3.4	29
81	Enhanced performance of inverted organic photovoltaic cells using CNTs-TiO(X) nanocomposites as electron injection layer. *Nanotechnology*, **2013**, 24, 355401	3.4	11
80	Comparative studies on the inorganic and organic p-type dopants in organic light-emitting diodes with enhanced hole injection. *Applied Physics Letters*, **2013**, 102, 153301	3.4	48
79	Improved cation valence state in molybdenum oxides by ultraviolet-ozone treatments and its applications in organic light-emitting diodes. *Applied Physics Letters*, **2013**, 102, 233304	3.4	32
78	Enhancement of device efficiency in CuPc/C60 based organic photovoltaic cells by inserting an InCl3 layer. *Synthetic Metals*, **2012**, 162, 2212-2215	3.6	2
77	Study of hole-injecting properties in efficient, stable, and simplified phosphorescent organic light-emitting diodes by impedance spectroscopy. *ACS Applied Materials & Interfaces*, **2012**, 4, 312-6	9.5	31
76	Adhesive modification of indium tin-oxide surface for template attachment for deposition of highly ordered nanostructure arrays. *Applied Surface Science*, **2012**, 258, 8139-8145	6.7	7

75	Mechanistic Investigation of Improved Syntheses of Iridium(III)-Based OLED Phosphors. *Organometallics*, **2012**, 31, 4349-4355	3.8	33
74	New dibenzofuran/spirobifluorene hybrids as thermally stable host materials for efficient phosphorescent organic light-emitting diodes with low efficiency roll-off. *Physical Chemistry Chemical Physics*, **2012**, 14, 14224-8	3.6	34
73	Enhanced hole injection in phosphorescent organic light-emitting diodes by thermally evaporating a thin indium trichloride layer. *ACS Applied Materials & Interfaces*, **2012**, 4, 5211-6	9.5	34
72	White-light emitting microtubes of mixed organic charge-transfer complexes. *Advanced Materials*, **2012**, 24, 5345-51	24	167
71	Surface Plasmon Polariton Enhancement in Blue Organic Light-Emitting Diode: Role of Metallic Cathode. *Applied Physics Express*, **2012**, 5, 102102	2.4	19
70	Sodium□Quinolate Complexes as Efficient Electron Injection Materials for Organic Light-Emitting Diode Devices. *Journal of Physical Chemistry C*, **2011**, 115, 2433-2438	3.8	13
69	One-pot microwave synthesis of water-dispersible, ultraphoto- and pH-stable, and highly fluorescent silicon quantum dots. *Journal of the American Chemical Society*, **2011**, 133, 14192-5	16.4	216
68	Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging. *Angewandte Chemie*, **2011**, 123, 3136-3139	3.6	19
67	Highly luminescent water-dispersible silicon nanowires for long-term immunofluorescent cellular imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 3080-3	16.4	56
66	Back Cover: Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging (Angew. Chem. Int. Ed. 13/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 3090-3090	16.4	
65	54.2: Tandem White OLEDs Combining Fluorescent and Phosphorescent Emission. *Digest of Technical Papers SID International Symposium*, **2008**, 39, 818	0.5	24
64	Operating lifetime recovery in organic light-emitting diodes having an azaaromatic hole-blocking/electron-transporting layer. *Journal of Applied Physics*, **2008**, 104, 074914	2.5	11
63	17.3: Highly Efficient Fluorescent/Phosphorescent OLED Devices Using Triplet Harvesting. *Digest of Technical Papers SID International Symposium*, **2008**, 39, 219	0.5	6
62	P-210: Phosphorescence Ranging from Blue to Red from tris-Cyclometalated Iridium (III) Complexes and Application to Organic Light-Emitting Devices. *Digest of Technical Papers SID International Symposium*, **2008**, 39, 1997	0.5	
61	Tandem Organic Light-Emitting Diode using Hexaazatriphenylene Hexacarbonitrile in the Intermediate Connector. *Advanced Materials*, **2008**, 20, 324-329	24	224
60	P-169: Efficient, Long-Lifetime OLED Host and Dopant Formulations for Full-Color Displays. *Digest of Technical Papers SID International Symposium*, **2007**, 38, 830-833	0.5	8
59	30.2: Improving Operating Lifetime of Organic Light-Emitting Diodes with Perylene and Derivatives as Aggregating Light-Emitting-Layer Additives. *Digest of Technical Papers SID International Symposium*, **2007**, 38, 1188-1192	0.5	4
58	Operating longevity of organic light-emitting diodes with perylene derivatives as aggregating light-emitting-layer additives: Expansion of the emission zone. *Journal of Applied Physics*, **2006**, 100, 094907	2.5	22

57	Coherence characteristics of electrically excited tandem organic light-emitting diodes. *Optics Letters*, **2005**, 30, 3072-4	3	33
56	High-efficiency tandem organic light-emitting diodes. *Applied Physics Letters*, **2004**, 84, 167-169	3.4	357
55	Photoelectron spectroscopic study of iodine- and bromine-treated indium tin oxides and their interfaces with organic films. *Chemical Physics Letters*, **2003**, 370, 425-430	2.5	22
54	Flat layered structure and improved photoluminescence emission from porous silicon microcavities formed by pulsed anodic etching. *Applied Physics A: Materials Science and Processing*, **2002**, 74, 807-811	2.6	14
53	Substrate dependence of thermal effect on organic light-emitting films. *Chemical Physics Letters*, **2002**, 356, 194-200	2.5	8
52	Effects of O, H and N passivation on photoluminescence from porous silicon. *Thin Solid Films*, **2001**, 388, 271-276	2.2	29
51	Ambient effect on the electronic structures of tris-(8-hydroxyquinoline) aluminum films investigated by photoelectron spectroscopy. *Chemical Physics Letters*, **2001**, 333, 212-216	2.5	28
50	Microstructure and field-emission characteristics of boron-doped Si nanoparticle chains. *Applied Physics Letters*, **2001**, 79, 1673-1675	3.4	38
49	Interfacial chemistry of Alq3 and LiF with reactive metals. *Journal of Applied Physics*, **2001**, 89, 2756-2765	2.5	313
48	Real-Time Observation of Temperature Rise and Thermal Breakdown Processes in Organic LEDs Using an IR Imaging and Analysis System. *Advanced Materials*, **2000**, 12, 265-269	24	160
47	Effect of deposition rate on the morphology, chemistry and electroluminescence of tris-(8-hydroxyqiunoline) aluminum films. *Chemical Physics Letters*, **2000**, 319, 418-422	2.5	43
46	Interface formation between poly(9,9-dioctylfluorene) and Ca electrode investigated using photoelectron spectroscopy. *Chemical Physics Letters*, **2000**, 325, 405-410	2.5	21
45	Bulk-quantity GaN nanowires synthesized from hot filament chemical vapor deposition. *Chemical Physics Letters*, **2000**, 327, 263-270	2.5	117
44	The interface analyses of inorganic layer for organic electroluminescent devices. *Displays*, **2000**, 21, 79-83	3.4	23
43	Electronic structure and energy level alignment of Alq3/Al2O3/Al and Alq3/Al interfaces studied by ultraviolet photoemission spectroscopy. *Thin Solid Films*, **2000**, 363, 178-181	2.2	33
42	Damage study of ITO under high electric field. *Thin Solid Films*, **2000**, 363, 240-243	2.2	18
41	Synchrotron radiation photoelectron spectroscopy study of ITO surface. *Applied Surface Science*, **2000**, 157, 35-38	6.7	6
40	Thin □SiC nanorods and their field emission properties. *Chemical Physics Letters*, **2000**, 318, 58-62	2.5	105

39	Improvement of interface formation between metal electrode and polymer film by polymer surface modification using ion sputtering. *Applied Physics Letters*, **2000**, 77, 3191-3193	3.4	9
38	Electronic structure and energy band gap of poly (9,9-dioctylfluorene) investigated by photoelectron spectroscopy. *Applied Physics Letters*, **2000**, 76, 3582-3584	3.4	66
37	Oxygen effect on the interface formation between calcium and a polyfluorene film. *Physical Review B*, **2000**, 62, 10004-10007	3.3	20
36	Surface passivation in diamond nucleation. *Physical Review B*, **2000**, 62, 17134-17137	3.3	5
35	Electronic structure of silicon nanowires: A photoemission and x-ray absorption study. *Physical Review B*, **2000**, 61, 8298-8305	3.3	68
34	Bubble formation in organic light-emitting diodes. *Journal of Applied Physics*, **2000**, 88, 2386-2390	2.5	41
33	Photoluminescent (PL) investigation of mesoporous molecular sieve materials. *Studies in Surface Science and Catalysis*, **1999**, 125, 293-300	1.8	2
32	Ion-beam-induced surface damages on tris-(8-hydroxyquinoline) aluminum. *Applied Physics Letters*, **1999**, 75, 1619-1621	3.4	75
31	Enhanced hole injection in a bilayer vacuum-deposited organic light-emitting device using a p-type doped silicon anode. *Applied Physics Letters*, **1999**, 74, 609-611	3.4	74
30	Sputter deposition of cathodes in organic light emitting diodes. *Journal of Applied Physics*, **1999**, 86, 4607-4612	2.5	78
29	The electroluminescence from porous □SiC formed on C+ implanted silicon. *Nuclear Instruments & Methods in Physics Research B*, **1998**, 142, 308-312	1.2	10
28	Photoluminescence from Si-based SiNxOy films. *Science Bulletin*, **1998**, 43, 124-126		
27	Photoluminescence studies of porous silicon microcavities. *Journal of Luminescence*, **1998**, 80, 137-140	3.8	7
26	Visible and infrared photoluminescence from Er-doped SiOx. *Journal of Luminescence*, **1998**, 80, 369-373	3.8	9
25	Strong surface segregation of Sb atoms at low temperatures during Si molecular beam epitaxy. *Thin Solid Films*, **1998**, 336, 236-239	2.2	13
24	The very strong photoluminescent (PL) effect of mesoporous molecular sieve materials. *Supramolecular Science*, **1998**, 5, 523-526		21
23	Stable and intense blue-green emission in porous silicon achieved by amine immersion and rapid thermal oxidation. *Applied Physics Letters*, **1997**, 70, 1284-1286	3.4	22
22	Photoluminescence from C+-implanted SiNxOy films grown on crystalline silicon. *Applied Physics Letters*, **1997**, 71, 2193-2195	3.4	7

21	A high-resolution electron microscopy study of blue-light emitting β-SiC nanoparticles in C+-implanted silicon. *Journal of Materials Research*, **1997**, 12, 1640-1645	2.5	8
20	Thermal Annealing of Si + Implanted Chemical Vapor Deposition SiO 2. *Chinese Physics Letters*, **1996**, 13, 397-400	1.8	1
19	Blue luminescence from Si+-implanted SiO2 films thermally grown on crystalline silicon. *Applied Physics Letters*, **1996**, 68, 850-852	3.4	214
18	The formation and microstructures of Si-based blue-light emitting porous β-SiC. *Nuclear Instruments & Methods in Physics Research B*, **1996**, 119, 505-509	1.2	6
17	Visible electroluminescence from Si+-implanted SiO2 films thermally grown on crystalline Si. *Solid State Communications*, **1996**, 97, 1039-1042	1.6	38
16	Blue-, green-, and red-light emission from Si+-implanted thermal SiO2 films on crystalline silicon. *Journal of Luminescence*, **1996**, 68, 199-204	3.8	53
15	Thermal Stability of Blue Emission from Porous β-SiC Formed on Crystalline Si by C+ Implantation. *Physica Status Solidi A*, **1996**, 155, 233-238		5
14	Raman scattering of porous structure formed on C+-implanted silicon. *Applied Physics Letters*, **1996**, 68, 2091-2093	3.4	23
13	Experimental observation of surface modes of quasifree clusters. *Physical Review Letters*, **1996**, 76, 604-607	7.4	29
12	Correlation of optical and structural properties of porous β-SiC formed on silicon by C+-implantation. *Solid State Communications*, **1995**, 95, 559-562	1.6	11
11	Intense blue emission from porous β-SiC formed on C+-implanted silicon. *Applied Physics Letters*, **1995**, 66, 2382-2384	3.4	134
10	Solvent strategies toward high-performance perovskite light-emitting diodes. *Journal of Materials Chemistry C*,	7.1	1
9	Precise synthesis of multilevel branched organic microwires for optical signal processing in the near infrared region. *Science China Materials*,1	7.1	1
8	Spiro Compounds for Organic Light-Emitting Diodes. *Accounts of Materials Research*,	7.5	6
7	Single-Crystal Organic Heterostructure for Single-Mode Unidirectional Whispering-Gallery-Mode Laser. *Advanced Optical Materials*,2101931	8.1	3
6	Nicotinamide-Modified PEDOT:PSS for High Performance Indoor and Outdoor Tin Perovskite Photovoltaics. *Solar Rrl*,2100713	7.1	3
5	A General Synthetic Approach of Organic Lateral Heterostructures for Optical Signal Converters in All-Color Wavelength. *CCS Chemistry*,1-11	7.2	1
4	Efficient Surface-Defect Passivation by Sulfurous-Acyl-Included Small Molecule for High-Performance Perovskite Photovoltaics. *Solar Rrl*,2200097	7.1	

3	Exploring Axial Organic Multiblock Heterostructure Nanowires: Advances in Molecular Design, Synthesis, and Functional Applications. *Advanced Functional Materials*,2202364	15.6	3
2	Photoactivated p-Doping of Organic Interlayer Enables Efficient Perovskite/Silicon Tandem Solar Cells. *ACS Energy Letters*,1987-1993	20.1	4
1	Highly Efficient Sensitized Chiral Hybridized Local and Charge-Transfer Emitter Circularly Polarized Electroluminescence. *Advanced Functional Materials*,2201512	15.6	4