

# CITATION REPORT

List of articles citing

Recent advances of the emitters for high performance deep-blue organic light-emitting diodes

DOI: 10.1039/c4tc02474e

Journal of Materials Chemistry C, 2015, 3, 913-944.

**Source:** <https://exaly.com/paper-pdf/62804639/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
462	Structurally Diverse Extended Conjugated Polycarbo- and Heterocycles through Pd-Catalyzed Autotandem Cascades. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16463-73	4.8	19
461	Trifluoromethyl-substituted 9,9'-bianthracene derivative as host material for highly efficient blue OLED. <b>2015</b> , 5, 2468		7
460	Highly efficient homojunction organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6862-6867	7.1	9
459	High-efficiency fluorescent polyimides based on locally excited triarylamine-containing dianhydride moieties. <b>2015</b> , 6, 5225-5232		20
458	Properties modulation of organic semi-conductors based on a donor-spiro-acceptor (D-spiro-A) molecular design: new host materials for efficient sky-blue PhOLEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9701-9714	7.1	47
457	Effect of fluorocarbon (trifluoromethyl groups) substitution on blue electroluminescent properties of 9,9'-bianthracene derivatives with twisted intramolecular charge-transfer excited states. <i>Dyes and Pigments</i> , <b>2015</b> , 122, 238-245	4.6	11
456	Blue-emitting heteroleptic Ir(III) phosphors with functional 2,3'-bipyridine or 2-(pyrimidin-5-yl)pyridine cyclometalates. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14613-24	4.3	35
455	Strongly phosphorescent platinum(II) complexes supported by tetradentate benzazole-containing ligands. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8212-8218	7.1	29
454	Optoelectronic characterization of zinc complexes for display device applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 6762-6768	2.1	12
453	Unusual near-white electroluminescence of light emitting diodes based on saddle-shaped porphyrins. <i>Dalton Transactions</i> , <b>2015</b> , 44, 8364-8	4.3	15
452	Cu-catalysed direct C-H (hetero)arylation of [1,2,4]triazolo[4,3-a]pyridine to construct deep-blue-emitting luminophores. <b>2015</b> , 13, 5372-5		19
451	Highly Improved Efficiency of Deep-Blue Fluorescent Polymer Light-Emitting Device Based on a Novel Hole Interface Modifier with 1,3,5-Triazine Core. <b>2015</b> , 7, 26405-13		20
450	Ir(III)-Based Phosphors with Bipyrazolate Ancillaries; Rational Design, Photophysics, and Applications in Organic Light-Emitting Diodes. <b>2015</b> , 54, 10811-21		31
449	Two-Step Synthesis of Blue Luminescent (Pyrrol-3-yl)-1H-(aza)indazoles Based on a Three-Component Coupling/Cyclocondensation Sequence. <b>2015</b> , 2015, 5128-5142		6
448	Water-soluble Ir(III) complexes of deprotonated N-methylbipyridinium ligands: fluorine-free blue emitters. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15420-3	4.3	18
447	Deep-blue phosphorescent iridium(III) dyes based on fluorine-functionalized bis(2,3'-bipyridyl) ligand for efficient organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2015</b> , 123, 235-241	4.6	20
446	Efficient blue fluorescent organic light-emitting diodes based on novel 9,10-diphenyl-anthracene derivatives. <b>2015</b> , 5, 70211-70219		9

445	Arylsilanes and siloxanes as optoelectronic materials for organic light-emitting diodes (OLEDs). <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9496-9508	7.1	66
444	Efficient Deep Blue Electroluminescence with an External Quantum Efficiency of 6.8% and CIEy 2015, 27, 7050-7057		195
443	Electronic and optical properties of novel carbazole-based donor-acceptor compounds for applications in blue-emitting organic light-emitting diodes. <b>2015</b> ,		
442	Color tuning in inverted blue light-emitting diodes based on a polyfluorene derivative by adjusting the thickness of the light-emitting layer. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9819-9826	7.1	14
441	Asymmetrically twisted anthracene derivatives as highly efficient deep-blue emitters for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9942-9947	7.1	41
440	Blue-emitting organic electrofluorescence materials: progress and prospective. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10957-10963	7.1	128
439	Fully solution-processed and multilayer blue organic light-emitting diodes based on efficient small molecule emissive layer and intergrated interlayer optimization. <b>2015</b> , 27, 35-40		24
438	Efficient Pt(II) emitters assembled from neutral bipyridine and dianionic bipyrazolate: designs, photophysical characterization and the fabrication of non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10837-10847	7.1	28
437	High brightness deep blue/violet fluorescent polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9664-9669	7.1	29
436	The effects of solvent vapor annealing on the performance of blue polymer light-emitting diodes. <b>2015</b> , 27, 1-6		13
435	Synthesis of Sterically Protected Xanthene Dyes with Bulky Groups at C-3' and C-7'. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 11538-43	4.2	16
434	Multilayer Langmuir-Blodgett films as diffractive external 3D photonic crystal in blue OLEDs. <b>2016</b> , 24, 27184-27198		6
433	Fluorinated 9,9'-spirobifluorene derivative as host material for highly efficient blue fluorescent OLED. <b>2016</b> , 6, 2545		7
432	Manipulation of Charge and Exciton Distribution Based on Blue Aggregation-Induced Emission Fluorophors: A Novel Concept to Achieve High-Performance Hybrid White Organic Light-Emitting Diodes. <b>2016</b> , 26, 776-783		171
431	Bis-Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Light-Emitting Diodes with External Quantum Efficiency Exceeding 31%. <b>2016</b> , 28, 2795-800		199
430	Organic Light Emitting Device Materials for Displays. <b>2016</b> , 183-230		
429	Sultam-Based Hetero[5]helicene: Synthesis, Structure, and Crystallization-Induced Emission Enhancement. <i>ACS Omega</i> , <b>2016</b> , 1, 1336-1342	3.9	16
428	Synthesis and properties of novel 9,10-di(naphthalen-2-yl)anthracene derivatives. <b>2016</b> , 57, 1847-1851		

427	Efficient blue fluorescent electroluminescence based on a tert -butylated 9,9?-bianthracene derivative with a twisted intramolecular charge-transfer excited state. <b>2016</b> , 217, 102-108		9
426	Improving the electroluminescence performance of donor-acceptor molecules by fine-tuning the torsion angle and distance between donor and acceptor moieties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 5988-5995	7.1	16
425	Highly Luminous Sky-Blue Organic Light-Emitting Diodes Based on the Bis[(1,2)(5,6)]indoloanthracene Emissive Layer. <b>2016</b> , 120, 6206-6217		40
424	Aggregation-induced emission in fluorophores containing a hydrazone structure and a central sulfone: restricted molecular rotation. <b>2016</b> , 6, 35833-35841		12
423	Cyclometallated iridium(III) complex with 2-(benzo[b]thiophen-2-yl)pyridyl and norbornene-substituted pyrazolonate ligands and related electroluminescent red light-emitting polymers. <b>2016</b> , 42, 187-195		8
422	Superior upconversion fluorescence dopants for highly efficient deep-blue electroluminescent devices. <b>2016</b> , 7, 4044-4051		57
421	Ambipolar Phosphine Derivatives to Attain True Blue OLEDs with 6.5% EQE. <b>2016</b> , 8, 10968-76		28
420	Synthesis and self-assembly of fluorene-vinylene alternating copolymers in Hairy-Rod architecture: side chain mediated tuning of conformation, microstructure and photophysical properties. <b>2016</b> , 19, 508-534		9
419	Spectral properties of 1H-pyrazolo[3,4-b]quinoline substituted with N,N-diethylamine moiety. <i>Optical Materials</i> , <b>2016</b> , 57, 102-106	3.3	4
418	Small organic molecules based on oxazole/thiazole with excellent performances in green and red phosphorescent organic light-emitting diodes. <b>2016</b> , 6, 51575-51582		13
417	Phenylimidazole-based homoleptic iridium(III) compounds for blue phosphorescent organic light-emitting diodes with high efficiency and long lifetime. <b>2016</b> , 34, 91-96		32
416	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. <b>2016</b> , 8, 24782-92		21
415	Deep blue-emissive bifunctional (hole-transporting + emissive) materials with CIE <sub>y</sub> ~ 0.06 based on a U-shaped phenanthrene scaffold for application in organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9310-9315	7.1	18
414	Application of CdSe/BVK Nanocomposite as a Hole Transport Layer for OLEDs. <b>2016</b> , 63, 886-892		1
413	The Synthesis and Characterization of Highly Fluorescent Polycyclic Azaborine Chromophores. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 10955-10963	4.2	14
412	Multicomponent and Domino Syntheses of AIE Chromophores. <b>2016</b> , 85-112		14
411	Achieving Pure Deep-Blue Electroluminescence with CIE <sub>y</sub> 0.06 via a Rational Design Approach for Highly Efficient Non-Doped Solution-Processed Organic Light-Emitting Diodes. <b>2016</b> , 11, 3275-3282		27
410	Luminescent Iridium Complexes Used in Light-Emitting Electrochemical Cells (LEECs). <b>2016</b> , 374, 36		77

409	Deep-blue Organic Light-emitting Diodes: From Fluorophores to Phosphors for High-efficiency Devices. <b>2016</b> , 561-634		1
408	Pyrene-based blue AIEgens: tunable intramolecular conjugation, good hole mobility and reversible mechanochromism. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8506-8513	7.1	43
407	Sulfonyl-Substituted Heteroleptic Cyclometalated Iridium(III) Complexes as Blue Emitters for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. <b>2016</b> , 55, 8612-27		28
406	Room temperature blue phosphorescence: a combined experimental and theoretical study on the bis-tridentate Ir(III) metal complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 15364-15373	4.3	39
405	1,3,4-Oxadiazoles as luminescent materials for organic light emitting diodes via cross-coupling reactions. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8596-8610	7.1	56
404	Rhenium(I) Tricarbonyl Complexes with Peripheral N-Coordination Sites: A Foundation for Heterotrimetallic Nonlinear Optical Chromophores. <b>2016</b> , 35, 3014-3024		17
403	Solution-processed organic light-emitting diodes based on a blue-emitting cationic iridium(III) complex using 2-(1H-pyrazol-1-yl)pyridine as ancillary ligand. <b>2016</b> , 453, 115-121		8
402	Removing shortcomings of linear molecules to develop high efficiencies deep-blue organic electroluminescent materials. <b>2016</b> , 38, 323-329		22
401	pH-Sensitive Fluorescence Lifetime Molecular Probes Based on Functionalized Tristyrylbenzene. <b>2016</b> , 120, 18771-18779		12
400	Synthesis, characterization, photo- and electro-luminescent properties of blue cationic iridium complexes with nonconjugated bis(pyrazole-1-yl)methane as the ancillary ligand. <i>Dyes and Pigments</i> , <b>2016</b> , 134, 19-26	4.6	13
399	Phenanthroimidazole derivatives as emitters for non-doped deep-blue organic light emitting devices. <b>2016</b> , 6, 70800-70809		17
398	Efficient deep-blue non-doped organic light-emitting diode with improved roll-off of efficiency based on hybrid local and charge-transfer excited state. <b>2016</b> , 6, 70085-70090		33
397	Blue-emitting Ir(III) complexes using fluorinated bipyridyl as main ligand and 1,2,4-triazol as ancillary ligand: syntheses, photophysical properties and performances in devices. <b>2016</b> , 72, 8335-8341		7
396	BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17321-17328	4.8	28
395	Pure hydrocarbon host materials based on spirofluorene with excellent performances for green phosphorescent light-emitting devices. <b>2016</b> , 40, 9500-9506		2
394	Triplet-Polaron-Interaction-Induced Upconversion from Triplet to Singlet: a Possible Way to Obtain Highly Efficient OLEDs. <b>2016</b> , 28, 4740-6		107
393	Excellent deep-blue emitting materials based on anthracene derivatives for non-doped organic light-emitting diodes. <i>Optical Materials</i> , <b>2016</b> , 58, 260-267	3.3	16
392	Topological and packing mode modification for solid-state emission enhancement of bis(perfluorostyryl)furan derivatives. <b>2016</b> , 40, 6728-6734		4

391	Solution-processed OLEDs based on phosphorescent PtAu <sub>2</sub> complexes with phenothiazine-functionalized acetylides. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6096-6103	7.1	30
390	Trend breaking substitution pattern of phenothiazine with acceptors as a rational design platform for blue emitters. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6769-6777	7.1	27
389	Pt(II) Phosphors Featuring Both Dicarbene and Functional Biazolate Chelates: Synthesis, Luminescent Properties, and Applications in Organic Light-Emitting Diodes. <b>2016</b> , 55, 6394-404		26
388	Highly Convergent Synthesis of Intensively Blue Emissive Furo[2,3-c]isoquinolines by a Palladium-Catalyzed Cyclization Cascade of Unsaturated Ugi Products. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2020-2031	4.8	23
387	Benzobisoxazole cruciforms: a tunable, cross-conjugated platform for the generation of deep blue OLED materials. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3765-3773	7.1	34
386	Highly efficient green PLED based on triphenylaminesilole-carbazole-fluorene copolymers with TPBI as the hole blocking layer. <i>Dyes and Pigments</i> , <b>2016</b> , 127, 155-160	4.6	21
385	New solution-processable carbazole derivatives as deep blue emitters for organic light-emitting diodes. <b>2016</b> , 6, 9247-9253		16
384	Nondoped deep blue OLEDs based on Bis-(4-benzenesulfonyl-phenyl)-9-phenyl-9 H -carbazoles. <b>2016</b> , 172, 7-13		17
383	Blue AIEgens: approaches to control the intramolecular conjugation and the optimized performance of OLED devices. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2663-2684	7.1	189
382	A series of short axially symmetrically 1,3,6,8-tetrasubstituted pyrene-based green and blue emitters with 4-tert-butylphenyl and arylamine attachments. <i>Dyes and Pigments</i> , <b>2016</b> , 130, 106-115	4.6	36
381	Highly phosphorescent platinum(II) complexes based on rigid unsymmetric tetradentate ligands. <b>2016</b> , 32, 120-125		26
380	Thienylphenothiazine integrated pyrenes: an account on the influence of substitution patterns on their optical and electroluminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4246-4258	7.1	27
379	Efficient blue and white polymer light emitting diodes based on a well charge balanced, core modified polyfluorene derivative. <b>2016</b> , 18, 7389-94		20
378	Towards stable deep-blue emission and low efficiency roll-off in OLEDs based on phenanthroimidazole dimers. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1886-1894	7.1	37
377	Solubilised bright blue-emitting iridium complexes for solution processed OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3726-3737	7.1	61
376	Steric and Electronic Influence of Aryl Isocyanides on the Properties of Iridium(III) Cyclometalates. <b>2016</b> , 55, 2299-308		37
375	Molecular Design of Highly Efficient Thermally Activated Delayed Fluorescence Hosts for Blue Phosphorescent and Fluorescent Organic Light-Emitting Diodes. <b>2017</b> , 29, 1527-1537		73
374	Electron-Rich 4-Substituted Spirobifluorenes: Toward a New Family of High Triplet Energy Host Materials for High-Efficiency Green and Sky Blue Phosphorescent OLEDs. <b>2017</b> , 9, 6194-6206		43

373	Blue-Light-Emitting Triazolopyridinium and Triazoloquinolinium Salts. <b>2017</b> , 1, 222-229		4
372	Achieving efficient violet-blue electroluminescence with CIE 6% from naphthyl-linked phenanthroimidazole-carbazole hybrid fluorophores. <b>2017</b> , 8, 3599-3608		113
371	Efficient Blue Electroluminescence from a Single-layer Organic Device Composed Solely of Hydrocarbons. <b>2017</b> , 12, 730-733		14
370	Assembly of four 8-quinolate-based multinuclear complexes: the effect of substituents on core structures and photoluminescence properties. <b>2017</b> , 4, 764-772		6
369	Two novel bipolar compounds based-on 1, 2, 4-triazol derivatives for non-doped deep-blue and green phosphorescent OLED applications. <i>Dyes and Pigments</i> , <b>2017</b> , 143, 25-32	4.6	18
368	Thermally stable bipolar host materials for high efficiency phosphorescent green and blue organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2017</b> , 143, 470-478	4.6	17
367	Ambipolar D <sub>A</sub> type bifunctional materials with hybridized local and charge-transfer excited state for high performance electroluminescence with EQE of 7.20% and CIE <sub>y</sub> ~ 0.06. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5402-5410	7.1	77
366	Tri- and tetraarylanthracenes with novel $\pi$ and $\pi$ topologies as blue-emissive and fluorescent host materials in organic light-emitting diodes (OLEDs). <b>2017</b> , 41, 4510-4517		5
365	Deep-blue light-emitting polyfluorenes containing spiro[fluorene-9,9'-thioxanthene-S,S-dioxide] isomers. <b>2017</b> , 55, 2332-2341		14
364	Photoluminescent properties of novel design heteroleptic Zn(II) complexes. <b>2017</b> , 32, 1197-1202		6
363	Carbazole-based $\pi$ conjugated polyazomethines: Effects of catenation and comonomer insertion on optoelectronic features. <b>2017</b> , 119, 274-284		10
362	Study of the electroluminescence of highly stereoregular poly(N-pentenyl-carbazole) for blue and white OLEDs. <b>2017</b> , 32, 065006		14
361	Bis-Tridentate Ir(III) Metal Phosphors for Efficient Deep-Blue Organic Light-Emitting Diodes. <b>2017</b> , 29, 1702464		92
360	Synthesis of novel profluorescent nitroxides as dual luminescent-paramagnetic active probes. <b>2017</b> , 41, 7472-7480		7
359	A rational design strategy for an extremely deep-blue fluorescent emitter with a small CIE $y$ value for solution processable, high efficiency, organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 63-71	4.6	8
358	Efficient blue electroluminescence of iridium(III) complexes with oxadiazol-substituted amide ancillary ligands. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 116-125	4.6	16
357	New insight into intramolecular conjugation in the design of efficient blue materials: from the control of emission to absorption. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6185-6192	7.1	7
356	9,10-Diphenylanthracene immobilized in mesostructured silica materials with a highly efficient deep-blue fluorescent property. <b>2017</b> , 190, 154-160		1

355	Structure-property relationship of blue solid state emissive phenanthroimidazole derivatives. <b>2017</b> , 19, 16737-16748		40
354	Optical and electrochemical characteristics of Ir(III) complexes with metalated 4-(4-bromophenyl)-2-methyl-1,3-thiazole and isocyanide, ethylenediamine, and diethyldithiocarbamate ligands. <b>2017</b> , 122, 723-728		2
353	Electroactive Polyimides: Synthesis, Characterization and Photophysics. <b>2017</b> , 56, 899-905		2
352	An Alternative Host Material for Long-Lifespan Blue Organic Light-Emitting Diodes Using Thermally Activated Delayed Fluorescence. <b>2017</b> , 4, 1600502		69
351	Multi-level non-volatile organic transistor-based memory using lithium-ion-encapsulated fullerene as a charge trapping layer. <b>2017</b> , 45, 234-239		25
350	A Comprehensive Review of Luminescent Iridium Complexes Used in Light-Emitting Electrochemical Cells (LEECs). <b>2017</b> , 275-357		7
349	Conjugated Indole Dyads with Strong Blue Emission Made Possible by Stille Cross-Coupling and Double Fischer Indole Cyclisation. <b>2017</b> , 2, 2433-2438		4
348	Stable and efficient sky-blue organic light emitting diodes employing a tetradentate platinum complex. <b>2017</b> , 110, 113301		30
347	Bis-cyclometalated iridium complexes with electronically modified aryl isocyanide ancillary ligands. <i>Dalton Transactions</i> , <b>2017</b> , 46, 5008-5016	4-3	19
346	Multi-substituted deep-blue emitting carbazoles: a comparative study on photophysical and electroluminescence characteristics. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 709-726	7-1	43
345	CuCl-Catalyzed Ullmann-Type C-N Cross-Coupling Reaction of Carbazoles and 2-Bromopyridine Derivatives. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 1024-1033	4-2	27
344	Blue Luminescent Copper(I) Complexes Bearing a Diphosphine Dioxide Ligand and Enhancement of Emission in the Solid State under Argon. <b>2017</b> , 2017, 1054-1059		3
343	Carbo[5]helicene versus planar phenanthrene as a scaffold for organic materials in OLEDs: the electroluminescence of anthracene-functionalized emissive materials. <b>2017</b> , 41, 14730-14737		5
342	Efficient non-doped deep-blue electroluminescence devices based on unsymmetrical and highly twisted pyrene derivatives. <b>2017</b> , 41, 14152-14160		8
341	Deep blue light emitting Cyno-DPQ phosphor with large stokes shift and high thermal stability for OLEDs and display applications. <b>2017</b> , 149, 198-205		6
340	Long-lived states detect interactions between small molecules and diamagnetic metal ions. <b>2017</b> , 284, 15-19		7
339	A new molecular design based on hybridized local and charge transfer fluorescence for highly efficient (>6%) deep-blue organic light emitting diodes. <b>2017</b> , 53, 11802-11805		58
338	Steric-Hindrance-Functionalized Polydiarylfluorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. <b>2017</b> , 9, 37856-37863		34



337	Highly enhanced UV responsive conductivity and blue emission in transparent CuBr films: implication for emitter and dosimeter applications. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 10270-10279 <sup>1</sup>		5
336	Efficient sky-blue emitting Pt(II) complexes based on imidazo[1,2-f]phenanthridine-containing tetradentate ligands. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9496-9503	7.1	15
335	Recent Advances in Metal Halide-Based Perovskite Light-Emitting Diodes. <b>2017</b> , 5, 1734-1749		63
334	Unveiling the Complexity of the Degradation Mechanism of Semiconducting Organic Polymers: Visible-Light-Induced Oxidation of P3HT Films on ZnO/ITO under Atmospheric Conditions. <b>2017</b> , 121, 18692-18701		6
333	Blue-emitting cationic iridium(III) complexes featuring pyridylpyrimidine ligands and their use in sky-blue electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9638-9650	7.1	32
332	Star-Shaped Asymmetrically Substituted Blue Emitting Carbazoles: Synthesis, Photophysical, Electrochemical and Theoretical Investigations. <b>2017</b> , 2, 7514-7524		7
331	Efficient and Practical Synthesis of Electron Transport Material and Its Key Intermediate. <b>2017</b> , 21, 1675-1681		5
330	Novel carbazole/indole/thiazole-based host materials with high thermal stability for efficient phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2017</b> , 147, 552-559	4.6	10
329	Sky-Blue-Emitting Dendritic Alkynylgold(III) Complexes for Solution-Processable Organic Light-Emitting Devices. <b>2017</b> , 139, 10539-10550		40
328	Bipolar highly solid-state luminescent phenanthroimidazole derivatives as materials for blue and white organic light emitting diodes exploiting either monomer, exciplex or electroplex emission. <i>Dyes and Pigments</i> , <b>2017</b> , 146, 425-437	4.6	40
327	A high performance deep-blue emitter with an anti-parallel dipole design. <i>Dyes and Pigments</i> , <b>2017</b> , 146, 219-225	4.6	11
326	Tuning the optoelectronic properties of phenothiazine-based D-A-type emitters through changing acceptor pattern. <i>Dyes and Pigments</i> , <b>2017</b> , 147, 6-15	4.6	20
325	Sky Blue-Emitting Iridium(III) Complexes Bearing Nonplanar Tetradentate Chromophore and Bidentate Ancillary. <b>2017</b> , 56, 10054-10060		24
324	Highly efficient single-layer blue polymer light-emitting diodes based on hole-transporting group substituted poly(fluorene-co-dibenzothiophene-S,S-dioxide). <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9680-9686	7.1	22
323	9,9'-Bianthracene derivatives containing fluorene and diarylamine groups for blue organic light-emitting diodes. <b>2017</b> , 653, 226-232		2
322	An ambipolar 3,3'-dimethyl-9,9'-bianthracene derivative as a blue host material for high-performance OLEDs. <b>2017</b> , 7, 49125-49132		5
321	Carbazole/indole-containing fluoranthene derivatives for blue organic light-emitting diodes. <b>2017</b> , 653, 207-213		
320	Methoxyl modification in furo[3,2-c]pyridine-based iridium complexes towards highly efficient green- and orange-emitting electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12221-12227	7.1	12

319	Modifying Emission Spectral Bandwidth of Phosphorescent Platinum(II) Complexes Through Synthetic Control. <b>2017</b> , 56, 8244-8256		44
318	Phosphorescent Pt(II) and Pd(II) Complexes for Efficient, High-Color-Quality, and Stable OLEDs. <b>2017</b> , 29, 1601861		209
317	Lessons learned in tuning the optoelectronic properties of phosphorescent iridium(III) complexes. <b>2017</b> , 53, 807-826		139
316	Blue pyrene-based AIEgens: inhibited intermolecular $\pi$ -stacking through the introduction of substituents with controllable intramolecular conjugation, and high external quantum efficiencies up to 3.46% in non-doped OLEDs. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 91-99	7.8	117
315	Development of a Control Method for Conduction and Magnetism in Molecular Crystals. <b>2017</b> , 90, 89-136		14
314	Novel spirofluorene/indole/carbazole-based hole transport materials with high triplet energy for efficient green phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2017</b> , 137, 84-90	4.6	28
313	Pyrene-Based Blue AIEgen: Enhanced Hole Mobility and Good EL Performance in Solution-Processed OLEDs. <i>Molecules</i> , <b>2017</b> , 22,	4.8	16
312	Synthesis and Electroluminescence Properties of 3-(Trifluoromethyl)phenyl-Substituted 9,10-Diarylanthracene Derivatives for Blue Organic Light-Emitting Diodes. <b>2017</b> , 7, 1109		3
311	Realizing Highly Efficient Solution-Processed Homojunction-Like Sky-Blue OLEDs by Using Thermally Activated Delayed Fluorescent Emitters Featuring an Aggregation-Induced Emission Property. <b>2018</b> , 9, 1547-1553		83
310	Phosphorescent cationic iridium(III) complexes bearing a nonconjugated six-membered chelating ancillary ligand: a strategy for tuning the emission towards the blue. <i>Dalton Transactions</i> , <b>2018</b> , 47, 10569-10577	4.3	8
309	ESIPT emission behavior of methoxy-substituted 2-hydroxyphenylbenzimidazole isomers. <b>2018</b> , 42, 5923-5928		16
308	Benzo[b]carbazole and indole derivatives as emitters for non-doped deep-blue organic light emitting diodes. <i>Dyes and Pigments</i> , <b>2018</b> , 154, 145-154	4.6	5
307	Novel carbazolyl-substituted spiro[acridine-9,9'-fluorene] derivatives as deep-blue emitting materials for OLED applications. <i>Dyes and Pigments</i> , <b>2018</b> , 154, 30-37	4.6	27
306	Multifunctional Dithiadiazolyl Radicals: Fluorescence, Electroluminescence, and Photoconducting Behavior in Pyren-1'-yl-dithiadiazolyl. <b>2018</b> , 140, 6260-6270		50
305	Luminescent Diiridium Complexes with Bridging Pyrazolates: Characterization and Fabrication of OLEDs Using Vacuum Thermal Deposition. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800083	8.1	25
304	Cooperative and FRET-Assisted Brightness Enhancement in Oligo(phenylene ethynylene): Quantum Dot Organic-Inorganic Nanohybrids. <b>2018</b> , 13, 1492-1499		2
303	Efficient deep blue emitter based on the integration of phenanthroimidazole, triphenylamine and tetraphenylethene for organic light emitting devices. <b>2018</b> , 359, 87-92		7
302	Functionalized phenylimidazole-based facial-homoleptic iridium(III) complexes and their excellent performance in blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4565-4572	7.1	26

301	An efficient blue emitter based on a naphthalene indenofluorene core. <b>2018</b> , 55, 157-164		7
300	Dipolar 1,3,6,8-tetrasubstituted pyrene-based blue emitters containing electro-transporting benzimidazole moieties: Syntheses, structures, optical properties, electrochemistry and electroluminescence. <i>Dyes and Pigments</i> , <b>2018</b> , 152, 1-13	4.6	14
299	Ti-Catalyzed Hydroamination for the Synthesis of Amine-Containing $\pi$ -Conjugated Materials. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5562-5568	4.8	12
298	X-ray Generated Recombination Exciplexes of Substituted Diphenylacetylenes with Tertiary Amines: A Versatile Experimental Vehicle for Targeted Creation of Deep-Blue Electroluminescent Systems. <b>2018</b> , 122, 1235-1252		4
297	Polyphenylnaphthalene as a Novel Building Block for High-Performance Deep-Blue Organic Light-Emitting Devices. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1700855	8.1	22
296	Strategies for the Molecular Design of Donor-Acceptor-type Fluorescent Emitters for Efficient Deep Blue Organic Light Emitting Diodes. <b>2018</b> , 30, 857-863		62
295	Tuning electrical properties of phenanthroimidazole derivatives to construct multifunctional deep-blue electroluminescent materials. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3584-3592	7.1	45
294	T-Shaped Benzimidazole Derivatives as Blue-Emitting Materials: The Role of C2 Substituents on Photophysical Properties. <b>2018</b> , 7, 729-738		1
293	Merging Biology and Solid-State Lighting: Recent Advances in Light-Emitting Diodes Based on Biological Materials. <b>2018</b> , 28, 1707011		48
292	Introducing double polar heads to highly fluorescent Thiazoles: Influence on supramolecular structures and photonic properties. <b>2018</b> , 526, 410-418		14
291	Efficient red AIEgens based on tetraphenylethene: synthesis, structure, photoluminescence and electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5900-5907	7.1	27
290	Multicomponent-Reaction- (MCR-) Assisted Synthesis of a Coumarin-Based Deep Blue Emitter for OLEDs and Related Applications. <b>2018</b> , 3, 2951-2957		8
289	Ultrathin silica film derived with ultraviolet irradiation of perhydropolysilazane for high performance and low voltage organic transistor and inverter. <b>2018</b> , 61, 1237-1242		5
288	Simple solution processable carbazole-oxadiazole hybrids for un-doped deep-blue OLEDs. <b>2018</b> , 358, 192-200		1
287	5,6-Difluorobenzothiazole-Based Conjugated Polymers with Large Band Gaps and Deep Highest Occupied Molecular Orbital Levels. <b>2018</b> , 10, 11094-11100		7
286	Synthesis and characterization of high quantum yield and oscillator strength 6-chloro-2-(4-cynophenyl)-4-phenyl quinoline (cl-CN-DPQ) organic phosphor for solid-state lighting. <b>2018</b> , 33, 297-304		4
285	Bottom-up honeycomb top layer for light outcoupling enhancement in blue organic light emitting diodes. <b>2018</b> , 52, 222-229		9
284	Role of the Diphosphine Chelate in Emissive, Charge-Neutral Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 624-635	4.8	10

283	Functional versatile bipolar 3,3'-dimethyl-9,9'-bianthracene derivatives as an efficient host and deep-blue emitter. <i>Dyes and Pigments</i> , <b>2018</b> , 148, 329-340	4.6	17
282	A novel H-bonding self-assembly heteromeric molecular duplex bearing host and guest energy transfer units as high-performance electroluminescent material. <i>Dyes and Pigments</i> , <b>2018</b> , 149, 755-763	4.6	3
281	Switching from sky blue to deep green fluorescent Zn(II) complexes for OLEDs applications. <b>2018</b> , 196, 136-145		8
280	Solution processible yellow-emitting iridium complexes based on furo[3,2-c]pyridine ligand. <b>2018</b> , 53, 191-197		3
279	Solution processible truxene based blue emitters: Synthesis, characterization and electroluminescence studies. <b>2018</b> , 196, 511-519		7
278	Synthesis, characterization, and electrogenerated chemiluminescence of deep blue emitting eumelanin-inspired poly(indoyleareylene)s for polymer light emitting diodes. <b>2018</b> , 56, 125-131		6
277	Influence of chlorine atoms in bay positions of perylene-tetracarboxylic acids on their spectral properties in Langmuir-Blodgett films. <b>2018</b> , 189, 374-380		7
276	New fluorescent columnar mesogens derived from phenanthrene- $\beta$ -cyanopyridone hybrids for OLED applications. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 2297-2306	7.8	7
275	Achieving highly efficient blue light-emitting polymers by incorporating a styrylarylene amine unit. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12355-12363	7.1	14
274	The influence of tetraphenylethylene moieties on the emissive properties of dipyrrolonaphthyridinediones. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12306-12313	7.1	4
273	Experimental Evidence for Hot Exciton Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Optical Materials</i> , <b>2018</b> , 7, 1801190	8.1	30
272	Vinyl-Linked Cyanocarbazole-Based Emitters: Effect of Conjugation and Terminal Chromophores on the Photophysical and Electroluminescent Properties. <i>ACS Omega</i> , <b>2018</b> , 3, 16477-16488	3.9	8
271	Efficient and stable sky-blue delayed fluorescence organic light-emitting diodes with CIE below 0.4. <b>2018</b> , 9, 5036		82
270	Solution-Processed TADF Materials and Devices Based on Organic Emitters. <b>2018</b> , 501-541		2
269	Hole-Transporting Materials for Perovskite Solar Cells. <b>2018</b> , 7, 2182-2200		35
268	A Straightforward Synthesis of Polyfluorinated Furan Derivatives and Their Property. <b>2018</b> , 7, 2484-2489		5
267	Realization of Thermally Stimulated Delayed Phosphorescence in Arylgold(III) Complexes and Efficient Gold(III) Based Blue-Emitting Organic Light-Emitting Devices. <b>2018</b> , 140, 13115-13124		67
266	Enabling a 6.5% External Quantum Efficiency Deep-Blue Organic Light-Emitting Diode with a Solution-Processible Carbazole-Based Emitter. <b>2018</b> , 122, 24295-24303		18

265	Photophysical, spectroscopic properties and electronic structure of BND: Experiment and theory. <b>2018</b> , 246, 39-44		4
264	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <b>2018</b> , 51, 8324-8329		5
263	Tetradentate Cyclometalated Platinum(II) Complexes for Efficient and Stable Organic Light-Emitting Diodes. <b>2018</b> ,		2
262	High-Efficiency Deep-Blue-Emitting Organic Light-Emitting Diodes Based on Iridium(III) Carbene Complexes. <b>2018</b> , 30, e1804231		101
261	Strong Topological States and High Charge Carrier Mobility in Tetraoxa[8]circulene Nanosheets. <b>2018</b> , 122, 22216-22222		17
260	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <b>2018</b> , 10, 33360-33372		58
259	Rational Molecular Design for Efficient Exciton Harvesting, and Deep-Blue OLED Application. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800342	8.1	53
258	Synthesis, photophysical and electrochemical properties of a blue emitter with binaphthalene and carbazole units. <b>2018</b> , 201, 376-381		4
257	Electron-phonon interaction in efficient perovskite blue emitters. <b>2018</b> , 17, 550-556		310
256	Alkyl-end phenanthroimidazole modification of benzotriazole based conjugated polymers for optoelectronic applications. <b>2018</b> , 244, 1-9		6
255	Small molecular hole-transporting materials (HTMs) in organic light-emitting diodes (OLEDs): structural diversity and classification. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8280-8325	7.1	56
254	Electroluminescent materials: Metal complexes of 8-hydroxyquinoline - A review. <b>2018</b> , 156, 215-228		50
253	Efficient OLEDs with saturated yellow and red emission based on rigid tetradentate Pt(II) complexes. <b>2018</b> , 62, 542-547		12
252	Bis-Tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blue-Emitting OLEDs. <b>2018</b> , 5, 1800846		50
251	[4]Cyclofluorene: Unexpected Influence of Alkyl Chain Length. <b>2018</b> , 83, 874-880		19
250	Acene-based organic semiconductors for organic light-emitting diodes and perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9017-9029	7.1	41
249	High Efficiency Deep-Blue Phosphorescent Organic Light-Emitting Diodes with CIE x, y (0.15) and Low Efficiency Roll-Off by Employing a High Triplet Energy Bipolar Host Material. <b>2018</b> , 28, 1802945		71
248	Small-Molecule Emitters with High Quantum Efficiency: Mechanisms, Structures, and Applications in OLED Devices. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800512	8.1	136

247	Thermally Activated Delayed Fluorescence Emitters for Deep Blue Organic Light Emitting Diodes: A Review of Recent Advances. <b>2018</b> , 8, 494		37
246	Nonradiative Decay and Stability of N-Heterocyclic Carbene Iridium(III) Complexes. <b>2018</b> , 57, 8881-8889		16
245	Oxidation inhibition of poly(3-hexylthiophene-2,5-diyl) in the bulk heterojunction by an electron acceptor. <b>2018</b> , 458, 43-48		1
244	Vibronic absorption spectra of the angular fused bisindolo- and biscalbazoloanthracene blue fluorophores for OLED applications. <b>2018</b> , 513, 105-111		2
243	Pronounced luminescence efficiency and thermal stability of small imidazole architect 2-(1, 4, 5-triphenyl-1H-imidazol-2-yl)phenol for efficient non-doped blue OLEDs. <b>2018</b> , 365, 232-237		7
242	2-(4-Ethoxy phenyl)-4-phenyl quinoline organic phosphor for solution processed blue organic light-emitting diodes. <b>2018</b> , 33, 999-1009		2
241	Surface engineering towards highly efficient perovskite light-emitting diodes. <b>2019</b> , 65, 104029		20
240	Emission Properties of Diblock Copolymers Composed of Poly(ethylene glycol) and Dense 1,2,3-Triazole Blocks. <b>2019</b> , 11,		6
239	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-Acceptor Phosphonium Fluorophores. <b>2019</b> , 131, 13590-13599		7
238	The role of a simple and effective salicylidene derivative. Spectral broadening and performance improvement of PFO-based all-solution processed OLEDs. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107671	4.6	19
237	Design, synthesis, and photoelectric properties of V-shaped organic fluorescent compounds with a 1,3,4-oxadiazole moiety. <b>2019</b> , 43, 3-7		2
236	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-Acceptor Phosphonium Fluorophores. <b>2019</b> , 58, 13456-13465		24
235	Facile brush-coated phase poly(9,9-dioctylfluorene) films for efficient and stable pure-blue polymer light-emitting diodes. <b>2019</b> , 75, 105380		8
234	Aggregation-induced emission: a coming-of-age ceremony at the age of eighteen. <b>2019</b> , 62, 1090-1098		203
233	4-Azafluorenone and Carboline Fluorophores with Green and Violet/Blue Emission. <i>Molecules</i> , <b>2019</b> , 24,	4.8	
232	Studies on CdSe/PVK nanocomposites films for electroluminescent display applications. <i>Optical Materials</i> , <b>2019</b> , 97, 109319	3.3	5
231	Synergetic Effect between Structural Manipulation and Physical Properties toward Perspective Electrochromic n-Type Polyimides. <b>2019</b> , 52, 8040-8055		13
230	High-Performance White Organic Light-Emitting Diodes with High Efficiency, Low Efficiency Roll-Off, and Superior Color Stability/Color Rendering Index by Strategic Design of Exciplex Hosts. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901291	8.1	14

229	Bis-tridentate Ir Phosphors Bearing Two Fused Five-Six-Membered Metallacycles: A Strategy to Improved Photostability of Blue Emitters. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15375-15386	4.8	20
228	Blue electroluminescent materials based on indeno[1,2-a]arene derivatives for Organic Light-Emitting Diodes. <b>2019</b> , 685, 107-113		1
227	Highly Efficient Deep-Blue Electroluminescence Based on a Solution-Processable A-ED-EA Oligo(-phenyleneethynylene) Small Molecule. <b>2019</b> , 11, 44474-44486		26
226	Synthesis, characterization and device application of a novel blue-emitting copolymer incorporating fluorene and benzothiazole backbone units. <i>Optical Materials</i> , <b>2019</b> , 98, 109443	3.3	5
225	Towards deep-blue phosphorescence: molecular design and property prediction of iridium complexes with pyridinylphosphinate ancillary ligand. <b>2019</b> , 33, e5167		1
224	Drift-diffusion simulations of thermally activated delayed fluorescence OLEDs. <b>2019</b> ,		
223	Highly efficient white-emitting thermally activated delayed fluorescence polymers: Synthesis, non-doped white OLEDs and electroluminescent mechanism. <b>2019</b> , 65, 104057		47
222	Recent advances of donor-acceptor type carbazole-based molecules for light emitting applications. <b>2019</b> , 75, 105422		56
221	Metal-Assisted Delayed Fluorescent Pd(II) Complexes and Phosphorescent Pt(II) Complex Based on [1,2,4]Triazolo[4,3-]pyridine-Containing Ligands: Synthesis, Characterization, Electrochemistry, Photophysical Studies, and Application. <b>2019</b> , 58, 14349-14360		21
220	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. <b>2019</b> , 123, 24772-24785		17
219	Pyrenylpyridines: Sky-Blue Emitters for Organic Light-Emitting Diodes. <i>ACS Omega</i> , <b>2019</b> , 4, 16867-16873.9		3
218	Unraveling the Emission Mechanism of Radical-Based Organic Light-Emitting Diodes. <b>2019</b> , 10, 574-580		20
217	Green and yellow pyridazine-based phosphorescent Iridium(III) complexes for high-efficiency and low-cost organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2019</b> , 164, 206-212	4.6	11
216	Deep-Blue and Hybrid-White Organic Light Emitting Diodes Based on a Twisting Carbazole-Benzofuro[2,3-b]Pyrazine Fluorescent Emitter. <i>Molecules</i> , <b>2019</b> , 24,	4.8	12
215	Novel 9,9-dimethylfluorene-bridged D <sub>A</sub> -type fluorophores with a hybridized local and charge-transfer excited state for deep-blue electroluminescence with CIE <sub>y</sub> ~ 0.05. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 592-600	7.1	57
214	The dibenzothiophene-S,S-dioxide and spirobifluorene based small molecules promote Low roll-off and Blue organic light-emitting diodes. <b>2019</b> , 382, 111946		3
213	n-Type Polyimides with 1,3,4-Oxadiazole-Substituted Triphenylamine Units: An Innovative Structural Approach. <b>2019</b> , 123, 15908-15923		5
212	P-213: Late-News Poster: Phenanthroimidazole Based Small Molecule Functioning Both as Blue Emitter and Host for Organic Light Emitting Diodes. <b>2019</b> , 50, 1966-1969		

211	Near UV/Deep-Blue Phenanthroimidazole-Based Luminophores for Organic Light-Emitting Diodes: Experimental and Theoretical Investigation. <b>2019</b> , 4, 6458-6468		18
210	Exploration of the Luminescence Properties of Organic Phosphate Salts of 3-Quinoline- and 5-Isoquinolineboronic Acid. <b>2019</b> , 2019, 2707-2724		6
209	Cyclization of Terphenyl-Bisfluorenols: A Mechanistic Study of the Regioselectivity. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10689-10697	4.8	5
208	Enhanced thermally activated delayed fluorescence through bridge modification in sulfone-based emitters employed in deep blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6664-6671	7.1	27
207	Copper(I) complexes of ether- and thioether-based phosphines. <b>2019</b> , 315-343		
206	DFT and TD-DFT studies on the electronic and optical properties of linear $\pi$ -conjugated cyclopentadithiophene (CPDT) dimer for efficient blue OLED. <i>Optical Materials</i> , <b>2019</b> , 91, 108-114	3.3	14
205	Toward Stable Deep-Blue Luminescent Colloidal Lead Halide Perovskite Nanoplatelets: Systematic Photostability Investigation. <b>2019</b> , 31, 2486-2496		35
204	Nondoped deep-blue fluorescent organic electroluminescent device with CIE <sub>y</sub> = 0.06 and low efficiency roll-off based on carbazole/oxadiazole derivatives. <b>2019</b> , 69, 77-84		4
203	Red to blue emitting cationic iridium complexes with 2-phenyl-4-dimethylaminopyridine as the cyclometalating ligand: Synthesis, characterization and electroluminescent devices. <i>Dyes and Pigments</i> , <b>2019</b> , 165, 458-466	4.6	17
202	Deep-Blue Thermally Activated Delayed Fluorescence Polymers for Nondoped Solution-Processed Organic Light-Emitting Diodes. <b>2019</b> , 52, 2296-2303		58
201	Organic Chemistry of $\pi$ -Conjugated Polycyclic Aromatic Hydrocarbons: Acenes and Phenacenes. <b>2019</b> , 211-228		2
200	Synergistic effects of hydrogen bonds and the hybridized excited state observed for high-efficiency, deep-blue fluorescent emitters with narrow emission in OLED applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5461-5467	7.1	34
199	Intramolecular Phosphacyclization: Polyaromatic Phosphonium P-Heterocycles with Wide-Tuning Optical Properties. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6332-6341	4.8	25
198	Sky-blue fluorescent small-molecules with high quantum efficiency: synthesis, structures, AIE properties, and applications in solution-processed non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3553-3559	7.1	14
197	Dual hole transport layers for blue-light-emitting PLED: Suppress the formation of exciplex towards high device performance and color purity. <b>2019</b> , 68, 103-107		13
196	Metal complex based delayed fluorescence materials. <b>2019</b> , 69, 135-152		46
195	Ideal blue thermally activated delayed fluorescence emission assisted by a thermally activated delayed fluorescence assistant dopant through a fast reverse intersystem crossing mediated cascade energy transfer process. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3082-3089	7.1	105
194	Photophysical features and semiconducting properties of propeller-shaped oligo(styryl)benzenes. <b>2019</b> , 150, 064309		11



193	New generations of spirobifluorene regioisomers for organic electronics: tuning electronic properties with the substitution pattern. <b>2019</b> , 55, 14238-14254		49
192	Dibenzo[c,g]indolo[3,2,1-jk]carbazole as a new chromophore for blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 14301-14305	7.1	8
191	Asymmetrically twisted phenanthrimidazole derivatives as host materials for blue fluorescent, green and red phosphorescent OLEDs. <b>2019</b> , 9, 17555		10
190	Highly efficient deep-blue light-emitting copolymers containing phenoxazine: enhanced device efficiency and lifetime by blending a hole transport molecule. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13859-13866	7.1	2
189	High Brightness Circularly Polarized Organic Light-Emitting Diodes Based on Nondoped Aggregation-Induced Emission (AIE)-Active Chiral Binaphthyl Emitters. <b>2019</b> , 21, 439-443		70
188	A review on low-molar-mass carbazole- based derivatives for organic light emitting diodes. <b>2019</b> , 247, 90-108		17
187	High-triplet-level phthalimide based acceptors for exciplexes with multicolor emission. <i>Dyes and Pigments</i> , <b>2019</b> , 162, 872-882	4.6	21
186	Renaissance of Organic Triboluminescent Materials. <b>2019</b> , 58, 7922-7932		49
185	Renaissance of Organic Triboluminescent Materials. <b>2019</b> , 131, 8004-8014		7
184	Blue Electrogenerated Chemiluminescence from Halide Perovskite Nanocrystals. <b>2019</b> , 3, 125-133		9
183	High-Performance Organic Electroluminescence: Design from Organic Light-Emitting Materials to Devices. <i>Chemical Record</i> , <b>2019</b> , 19, 1531-1561	6.6	54
182	Easily available, low-cost 9,9'-bianthracene derivatives as efficient blue hosts and deep-blue emitters in OLEDs. <b>2019</b> , 66, 24-31		13
181	Diversity-oriented synthesis of blue emissive nitrogen heterocycles and their conjugation with carbon nano-onions. <b>2020</b> , 14, 76-89		3
180	Highly efficient nondoped blue electroluminescence with an EQE greater than 6.0% based on a phenothiazine donor with hybridized local and charge-transfer excited state. <i>Dyes and Pigments</i> , <b>2020</b> , 172, 107860	4.6	9
179	Tetradentate Platinum(II) Complexes for Highly Efficient Phosphorescent Emitters and Sky Blue OLEDs. <b>2020</b> , 32, 537-548		34
178	Donor-Acceptor Materials Exhibiting Thermally Activated Delayed Fluorescence Using a Planarized -Phenylbenzimidazole Acceptor. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 108-117	4.2	16
177	Synthesis of nonplanar bipyridyls bridged by disilane and disiloxane and their phosphorescent copper complexes. <b>2020</b> , 34, e5306		2
176	Bright high-colour-purity deep-blue carbon dot light-emitting diodes via efficient edge amination. <b>2020</b> , 14, 171-176		144

175	Decrease of intermolecular interactions for less-doped efficient deep blue monomer light-emitting diodes. <b>2020</b> , 78, 105577		5
174	Universal blue emitters for high efficiency thermally activated delayed fluorescence and fluorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2020</b> , 174, 108070	4.6	9
173	Synthesis, characterization and photophysical properties of $\pi$ -conjugated novel phenothiazine substituted acrylonitrile D $\pi$ A derivatives: Orange to red emission. <b>2020</b> , 30, 100543		2
172	Asymmetrically 2,7-difunctionalized carbazole-based donor-acceptor hybrids for deep blue electroluminescence applications. <i>Optical Materials</i> , <b>2020</b> , 108, 110159	3.3	5
171	Efficient Synthesis of Novel 1,3,4-Oxadiazoles Bearing a 4--Dimethylaminoquinazoline Scaffold via Palladium-Catalyzed Suzuki Cross-Coupling Reactions. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
170	Energy-Harvesting Blue Color Filters for Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000873	8.1	
169	Functionalized fluorescent terephthalate monomers and their attempted polyester formation. <b>2020</b> , 18, 8735-8745		1
168	Highly efficient all solution-processed non-doped deep-blue electroluminescent devices from oligocarbazole-end-capped spirobifluorenes. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2943-2953	7.8	6
167	Methoxy-substituted bis-tridentate iridium(III) phosphors and fabrication of blue organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13590-13602	7.1	9
166	Donor and acceptor interlock by a planar indolo[3,2,1-jk]carbazole for a suppressed non-radiative mechanism in thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 14490-14498	7.1	1
165	Quantitative calculations of the non-radiative rate of phosphorescent Ir(III) complexes. <b>2020</b> , 22, 27348-27356		3
164	A new class of iridium(III) complexes based on fluorine substituted 2,3'-bipyridine and pyridyltetrazolate derivatives: Synthesis, crystal structures, photoluminescent and electroluminescent properties. <i>Dyes and Pigments</i> , <b>2020</b> , 180, 108514	4.6	4
163	Isomeric fused benzocarbazole as a chromophore for blue fluorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8320-8327	7.1	5
162	Cyclometalated Ir(III) complexes towards blue-emissive dopant for organic light-emitting diodes: fundamentals of photophysics and designing strategies. <b>2020</b> , 7, 2396-2422		27
161	Benzo[4,5]thieno-S,S-dioxide-[3,2-b]benzofurans: synthesis, properties and application in electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8796-8803	7.1	2
160	Photo- and electro-luminescence properties of the organic bipolar molecules containing phenothiazine and phenanthoimidazole moieties. <b>2020</b> , 265, 116406		5
159	Evaluating the Role of Molecular Heredity in the Optical and Electronic Properties of Cross-Conjugated Benzo[1,2-:4,5-']bisoxazoles. <i>ACS Omega</i> , <b>2020</b> , 5, 12374-12384	3.9	5
158	Deep-blue DBR laser at room temperature from single-crystalline perovskite thin film. <i>Optical Materials</i> , <b>2020</b> , 107, 110130	3.3	4

- 157 Chrysene-Based Blue Emitters. *Chemistry - A European Journal*, **2020**, 26, 15089-15093 4.8 3
- 156 Purple-emissive carbon dots enhance sensitivity of Si photodetectors to ultraviolet range. **2020**, 12, 8379-8384<sup>21</sup>
- 155 Blue-emitting thermoreversible oligourethane gelators with aggregation-induced emission properties. *Journal of Materials Chemistry C*, **2020**, 8, 5137-5142 7.1 10
- 154 Multiple strategies towards high-efficiency white organic light-emitting diodes by the vacuum deposition method. *Journal of Materials Chemistry C*, **2020**, 8, 5636-5661 7.1 19
- 153 Optoelectronic Properties of Two-Dimensional Bromide Perovskites: Influences of Spacer Cations. **2020**, 11, 2955-2964 29
- 152 Judicious Choice of N-Heterocycles for the Realization of Sky-Blue- to Green-Emitting Carbazolygold(III) C<sup>+</sup>C<sup>+</sup>N Complexes and Their Applications for Organic Light-Emitting Devices. **2020**, 59, 9684-9692 16
- 151 Blue Single-Layer Organic Light-Emitting Diodes Using Fluorescent Materials: A Molecular Design View Point. **2020**, 30, 1910040 42
- 150 Recent advances and comprehensive insights on nickel oxide in emerging optoelectronic devices. **2020**, 4, 4415-4458 10
- 149 Computational Studies of Molecular Materials for Unconventional Energy Conversion: The Challenge of Light Emission by Thermally Activated Delayed Fluorescence. *Molecules*, **2020**, 25, 4.8 10
- 148 Versatile Phosphole Derivatives with Photovoltaic, Light-Emitting, and Resistive Memory Properties. **2020**, 3, 3059-3070 6
- 147 Control of  $\pi$ -stacking in carbazole-benzimidazo<1,2-f>phenanthridines: the design of electron-transporting bipolar hosts for phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 3571-3579 7.1 6
- 146 A strategy to construct multifunctional TADF materials for deep blue and high efficiency yellow fluorescent devices. *Journal of Materials Chemistry C*, **2020**, 8, 4818-4826 7.1 4
- 145 Highly Efficient Phosphorescent Tetradentate Platinum(II) Complexes Containing Fused 6/5/6 Metallo-cycles. **2020**, 59, 3718-3729 20
- 144 One-Pot Synthesis of Orange-Red Fluorescent Dimeric 2-Pyrrolo[2,3-]isoquinoline-2,5(3)-diones from Benzamides and Maleimides via Ru(II)-Catalyzed Sequential C-C/C-N/C-C Bond Formation. **2020**, 22, 1605-1610 13
- 143 Pure-blue fluorescent organic light-emitting diodes by co-doping a supplementary host material into a light-emitting layer as an electron transport ladder. *Journal of Materials Chemistry C*, **2020**, 8, 3438-3444<sup>10</sup> 7.1 10
- 142 Effects of intramolecular hydrogen bonds on phosphorescence emission: A theoretical perspective. **2020**, 34, e5527 2
- 141 The structure optimization of phenanthroimidazole based isomers with external quantum efficiency approaching 7% in non-doped deep-blue OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 2975-2984 7.1 22
- 140 Improving the Electroluminescent Performance of Blue Light-Emitting Polymers by Side-Chain Modification. **2020**, 12, 8495-8502 5

139	Monodentate Benzo[d]imidazole-Based Iridium(III) Complexes and Their Dual Fluorescent and Phosphorescent Emissions. <b>2020</b> , 41, 176-183		1
138	Judicious Choice of N-Heterocycles for the Realization of Sky-Blue- to Green-Emitting Carbazolylgold(III) C <sup>+</sup> C <sup>-</sup> N Complexes and Their Applications for Organic Light-Emitting Devices. <b>2020</b> , 132, 9771-9779		6
137	Chromogenic properties of 2-(2-carbomethoxy-3,4-dichloro-6-hydroxyphenyl)benzoxazole and its Zn(II) and Cd(II) complexes. <i>Dyes and Pigments</i> , <b>2020</b> , 180, 108417	4.6	4
136	Improving the Performance of Blue Polymer Light-Emitting Diodes Using a Hole Injection Layer with a High Work Function and Nanotexture. <b>2020</b> , 12, 20750-20756		5
135	11,11-Dimethyl-11H-indeno[1,2-b]indolo[1,2,3-jk]carbazole: A rigid chromophore with novel amalgamation strategy for long lifetime blue fluorescent organic light-emitting diodes. <b>2020</b> , 395, 125125		6
134	Tetraphenylbenzene-based AIEgens: horizontally oriented emitters for highly efficient non-doped deep blue OLEDs and hosts for high-performance hybrid WOLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7012-7018	7.1	20
133	Novel antifungal activity of oligostyrylbenzenes compounds on <i>Candida tropicalis</i> biofilms. <b>2021</b> , 59, 244-252		5
132	Disentangling Multiple Effects on Excited-State Intramolecular Charge Transfer among Asymmetrical Tripartite PPI-TPA/PCz Triads. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 1337-1345	4.8	8
131	Architecture of New Rare Earth Metal Complexes as Precursors for the Fabrication of a New Class of OLEDs with Blue Shift Fluorescence. <b>2021</b> , 647, 456-462		0
130	En Route Towards the Control of Luminescent, Optically-Active 3D Architectures. <b>2021</b> , 60, 766-773		2
129	Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIEy 0.05. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108874	4.6	7
128	Benzobisoxazole Cruciforms: A Cross-conjugated Platform for Designing Tunable Donor/Acceptor Materials. <b>2021</b> , 10, 215-223		3
127	Approaches for Long Lifetime Organic Light Emitting Diodes. <b>2020</b> , 8, 2002254		45
126	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. <b>2021</b> , 123, 108301		0
125	New cyanopyridine-based $\pi$ -conjugative poly(azomethine)s: Synthesis, characterization and electroluminescence studies. <b>2021</b> , 32, 131-141		1
124	Universal polymeric hosts adopting cardo-type backbone prepared by palladium-free catalyst with precisely controlled triplet energy levels and their application for highly efficient solution-processed phosphorescent organic light-emitting devices. <b>2021</b> , 406, 126717		2
123	Synthesis, crystal structure, aggregation-induced emission enhancement and electroluminescence properties of a novel compound containing carbazole and triarylborane groups. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1228, 129721	3-4	4
122	Hin zur Kontrolle lumineszenter, optisch-aktiver 3D-Architekturen. <b>2021</b> , 133, 777-785		1

121	Rational design of pyridine-containing emissive materials for high performance deep-blue organic light-emitting diodes with CIEy ~ 0.06. <i>Dyes and Pigments</i> , <b>2021</b> , 187, 109088	4.6	14
120	Progress in organic semiconducting materials with high thermal stability for organic light-emitting devices. <b>2021</b> , 3, 61-81		12
119	Rigidly Fused Spiro-Conjugated Systems. <b>2021</b> , 86, 36-48		6
118	Fast Delayed Emission in New Pyridazine-Based Compounds. <b>2020</b> , 8, 572862		3
117	Functional materials for various organic electronic devices. <b>2021</b> , 119-165		2
116	Photo- and electro-luminescent properties of 2,7-disubstituted spiro[fluorene-9,9'-xanthene] derivatives containing imidazole-derived moieties.		
115	A Brief History of OLEDs-Emitter Development and Industry Milestones. <b>2021</b> , 33, e2005630		125
114	Negative Singlet-Triplet Excitation Energy Gap in Triangle-Shaped Molecular Emitters for Efficient Triplet Harvesting. <b>2021</b> , 125, 513-522		15
113	N-Heterocyclic Carbene-Based Tetradentate Pd(II) Complexes for Deep-Blue Phosphorescent Materials. <b>2021</b> , 40, 472-481		6
112	New Electroactive Polymers with Electronically Isolated 4,7-Diarylfluorene Chromophores as Positive Charge Transporting Layer Materials for OLEDs. <i>Molecules</i> , <b>2021</b> , 26,	4.8	
111	The Effect of Alkyl Substitution of Novel Imines on Their Supramolecular Organization, towards Photovoltaic Applications. <b>2021</b> , 13,		2
110	Strategic Synchronization of 7,7-Dimethyl-5,7-dihydroindeno[2,1-]carbazole for Narrow-Band, Pure Violet Organic Light-Emitting Diodes with an Efficiency of > 5% and a CIE Coordinate of 2021, 13, 14440-14446 <sup>11</sup>		
109	Spin-Coated Bismuth Vanadate Thin Film as an Alternative Electron Transport Layer for Light-Emitting Diode Application. <b>2021</b> , 218, 2000735		1
108	Effect of alkyl side chain length on the electroluminescent performance of blue light-emitting poly(fluorene-co-dibenzothiophene-S,S-dioxide). <i>Dyes and Pigments</i> , <b>2021</b> , 187, 109139	4.6	1
107	Influence of chemical structure on thermal, optical and electrochemical properties of conjugated azomethines. <b>2021</b> , 273, 116689		4
106	Mixed-host engineering of blue thermally activated delayed fluorescence devices for enhanced efficiency and suppressed efficiency roll-off. <i>Optical Materials</i> , <b>2021</b> , 113, 110879	3.3	3
105	2-aryloxybenzo[d]oxazoles as deep blue solid-state emitters: Synthesis, aggregation-induced emission properties and crystal structure. <i>Dyes and Pigments</i> , <b>2021</b> , 187, 109127	4.6	4
104	Deep blue fluorescent material with a narrow FWHM based on indolo[3,2,1-jk]carbazol/pyrimidine hybrids. <b>2021</b> , 86, 132049		2

103	Multiple naphthalimide dimers polymorphs triggered solvatochromism, solid-state emission and aggregation-induced emission by different interaction and its application in fluorescence ratiometric sensing of dichloromethane and 1,4-dioxane. <i>Dyes and Pigments</i> , <b>2021</b> , 188, 109172	4.6	3
102	Cross-linkable deep-blue small molecular material for solution-processed organic light-emitting diodes. <i>Optical Materials</i> , <b>2021</b> , 114, 110945	3.3	0
101	Non-Doped Deep-Blue OLEDs Based on Carbazole-Imidazole Derivatives. <b>2021</b> , 14,		4
100	Design, synthesis and characterization of $\pi$ -conjugated 2,5-diphenylsubstituted-1,3,4-oxadiazole-based D-A-E $\pi$ form of efficient deep blue functional materials: Photophysical properties and fluorescence Turn-off chemsensors approach. <b>2021</b> , 328, 115443		5
99	Protecting Benzylic C-H Bonds by Deuteration Doubles the Operational Lifetime of Deep-Blue Ir-Phenylimidazole Dopants in Phosphorescent OLEDs. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100630	8.1	17
98	Molecular Engineering for the Development of a Discotic Nematic Mesophase and Solid-State Emitter in Deep-Blue OLEDs. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 7256-7262	4.2	2
97	Efficient Intramolecular Charge-Transfer Fluorophores Based on Substituted Triphenylphosphine Donors. <b>2021</b> , 133, 15176-15180		2
96	Efficient Intramolecular Charge-Transfer Fluorophores Based on Substituted Triphenylphosphine Donors. <b>2021</b> , 60, 15049-15053		7
95	Strategies Toward Efficient Blue Perovskite Light-Emitting Diodes. <b>2021</b> , 31, 2100516		24
94	Dual-state emission and solvatochromism properties of facile squaraine dyes with cis-3,5-dimethylpiperidine. <b>2021</b> , 233, 117882		0
93	Effect of Protonation on Optical and Electrochemical Properties of Thiophene-Phenylene-Based Schiff Bases with Alkoxy Side Groups. <b>2021</b> , 125, 8588-8600		1
92	Theoretical investigation of the electronic structure and photophysical properties of a series of mixed-carbene cyclometalated iridium(III) complexes with different ancillary ligands applied in phosphorescent organic light-emitting diodes. <b>2021</b> , 20, 1822-1828		
91	Twisted Phenanthro[9,10-d]imidazole Derivatives as Non-doped Emitters for Efficient Electroluminescent Devices with Ultra-Deep Blue Emission and High Exciton Utilization Efficiency. <b>2021</b> , 16, 2328-2337		5
90	Benzimidazole-Based N,O Boron Complexes as Deep Blue Solid-State Fluorophores. <b>2021</b> , 14,		1
89	Synthesis, photophysical properties and electroluminescence characterization of 1-phenyl-1H-phenanthro[9,10-d]imidazole derivatives with N-donor substituents. <i>Dyes and Pigments</i> , <b>2021</b> , 192, 109437	4.6	2
88	Suppressing surface plasmon losses to improve the efficiency of blue organic light-emitting diodes using the plasmonic quasi-bandgap phenomenon. <b>2021</b> , 9, 1784		
87	Improving Ambient Contrast Ratio and Color Uniformity of Mini Full Color Light-Emitting Diodes Using an SiO <sub>2</sub> /Graphite Bilayered Packaging Structure. <b>2022</b> , 144,		5
86	Highly efficient non-doped blue OLED based on perylene. <b>2021</b> , 119, 053301		

85	Effect of Cyano on the Functional Properties of Phenanthroimidazole-Substituted Carbazole Derivatives. <b>2021</b> , 3, 3876-3888		4
84	Synthesis and crystal structure of 4-acetylpyrene, C <sub>18</sub> H <sub>12</sub> O. <b>2021</b> ,		
83	Constructing Highly Efficient Blue OLEDs with External Quantum Efficiencies up to 7.5 % Based on Anthracene Derivatives. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 16181-16188	4.8	3
82	Recent Advances in the Development of Blue and Deep-Blue Emitting Gold(I) and Gold(III) Molecular Systems.		1
81	Highly efficient nondoped blue electroluminescence based on hybridized local and charge-transfer emitter bearing pyrene-imidazole and pyrene. <b>2021</b> , 420, 129939		14
80	A periphery cladding strategy to improve the performance of narrowband emitters, achieving deep-blue OLEDs with CIEy 2021, 97, 106275		9
79	Effect of different N,N-diphenyl-naphthalen-2-amine units on the photo- and electro-luminescent properties of phenanthroimidazole derivatives. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109591	4.6	0
78	Application of Triplet-Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. <b>2021</b> , 33, e2100704		15
77	-Acenoacene molecules: tuning of the singlet and triplet excitation energies by modifying their radical character. <b>2021</b> , 23, 24016-24028		0
76	Cyanophenyl spiro[acridine-9,9'-fluorene]s as simple structured hybridized local and charge-transfer-based ultra-deep blue emitters for highly efficient non-doped electroluminescent devices (CIEy 0.05). <i>Journal of Materials Chemistry C</i> ,	7.1	8
75	Rh(III)-Catalysed synthesis of cinnolinium and fluoranthenium salts using C-H activation/annulation reactions: organelle specific mitochondrial staining applications. <b>2021</b> , 19, 5413-5425		2
74	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. <b>2021</b> , 13, 2899-2907		13
73	Photo-Electro Characterization and Modeling of Organic Light-Emitting Diodes by Using a Radial Basis Neural Network. <b>2017</b> , 378-389		5
72	Effect of Main Versus Ancillary Ligand Substitution on the Photophysical Properties of a Series of Ir(III) Complexes: A Detailed Theoretical Investigation. <b>2020</b> , 124, 4654-4665		3
71	Twisted donor-acceptor molecules for efficient deep blue electroluminescence with CIEy ~ 0.06. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9401-9409	7.1	12
70	Stable and efficient blue and green organic light emitting diodes employing tetradentate Pt(II) complexes. <b>2020</b> , 117, 253301		6
69	Donor-acceptor materials exhibiting deep blue emission and thermally activated delayed fluorescence with tris(triazolo)triazine. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 14342-14350	7.1	6
68	Rational Design of Chrysene-Based Hybridized Local and Charge-Transfer Molecules as Efficient Non-Doped Deep-Blue Emitters for Simple-Structured Electroluminescent Devices. <b>2021</b> ,		1

67	Pyrene-Benzimidazole Derivatives as Novel Blue Emitters for OLEDs. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
66	Abnormally aggregation-induced emissions observed from hydrogen- and silyl-substituted siloles. <b>2020</b> , 43, 125-131		2
65	Covalent nanosynthesis of fluorene-based macrocycles and organic nanogrids. <b>2021</b> ,		2
64	Productive harvesting of triplet excitons in anthracene-based emitters toward high-performance deep-blue nondoped organic light-emitting diodes. <b>2022</b> , 23, 100630		4
63	Violation of Hund's rule in molecules: Predicting the excited-state energy inversion by TD-DFT with double-hybrid methods.. <b>2022</b> , 156, 034105		6
62	Deep-blue emitting cerium(III) complexes with tris(pyrazolyl)borate and triflate ligands.. <i>Dalton Transactions</i> , <b>2022</b> ,	4.3	1
61	Achieve two things at one stroke: crystal engineering simultaneously optimizes emission and mechanical compliance of organic crystals. <i>Journal of Materials Chemistry C</i> ,	7.1	1
60	Luminescent columnar discotics as highly efficient emitters in pure deep-blue OLEDs with an external quantum efficiency of 4.7.. <i>Soft Matter</i> , <b>2021</b> ,	3.6	1
59	Synthesis and optical properties of the isomeric phenanthroimidazole Imidazo[1,2-a]pyridine conjugates: Effects of donor and their linking topology. <i>Optical Materials</i> , <b>2022</b> , 124, 112017	3.3	1
58	Spirobifluorene derivatives and their biomaterial applications: Current trends. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1255, 132406	3.4	
57	Synthesis and Contemporary Applications of Platinum Group Metals Complexes with Acyclic Diaminocarbene Ligands (Review). <i>Russian Journal of Inorganic Chemistry</i> , <b>2022</b> , 67, 48-90	1.5	2
56	A computational and experimental investigation of deep-blue light-emitting tetraaryl-benzobis[1,2-d:4,5-d]oxazoles. <i>Materials Advances</i> ,	3.3	3
55	Deep-Blue Organic Light Emitting Diodes Employed Traditional Hole Transporting Material as Emitter. <i>SSRN Electronic Journal</i> ,	1	
54	Chrysene-Cored Fluorescent Dendrimers as Non-Doped Deep-Blue Emitters for Solution-Processable Electroluminescent Devices. <i>Synlett</i> ,	2.2	
53	Sustainable, Efficient, and Scalable Preparation of Pure and Performing Spiro-OMeTAD for Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	1
52	Fluorescence "Turn-Off" and Colorimetric Sensor for Fe, Fe, and Cu Ions Based on a 2,5,7-Triarylimidazopyridine Scaffold.. <i>ACS Omega</i> , <b>2022</b> , 7, 11114-11125	3.9	2
51	Highly Deep-blue Luminescent Twisted Diphenylamino Terphenyl Emitters by Bromine-Lithium Exchange Borylation-Suzuki Sequence.. <i>Chemistry - A European Journal</i> , <b>2022</b> ,	4.8	1
50	Distinct Ir(III) complexes containing unsymmetric ligands with fluorene-oxadiazole groups and their performance of organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2022</b> , 202, 110252	4.6	1



49	Synthesis and luminescence characterization of aqueous stable Sr <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub> : Eu <sup>2+</sup> , Dy <sup>3+</sup> long afterglow nanophosphor for low light illumination. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 310, 123089	3.3	1
48	A Promising Multifunctional Deep-Blue Fluorophor for High-Performance Monochromatic and Hybrid White OLEDs with Superior Efficiency/Color Stability and Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2101920	8.1	1
47	Theoretical Approach for the Luminescent Properties of Ir(III) Complexes to Produce Red-Green-Blue LEC Devices.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	0
46	2,3-Disubstituted fluorene scaffold for efficient green phosphorescent organic light-emitting diodes.. <i>Chemistry - A European Journal</i> , <b>2022</b> ,	4.8	0
45	Data_Sheet_1.PDF. <b>2021</b> ,		
44	Deep-blue emission and thermally activated delayed fluorescence via Dimroth rearrangement of tris(triazolo)triazines. <i>Journal of Materials Chemistry C</i> ,	7.1	1
43	A New Class of Solution Processable Pyrazino[2,3-g]quinoxaline Carbazole Derivative Based on DAD Architecture for Achieving High EQE in Yellow and White OLEDs. <i>Advanced Optical Materials</i> , 2200241	8.1	3
42	Indolo[3,2,1]-carbazole-Derived Narrowband Violet-Blue Fluorophores: Tuning the Optical and Electroluminescence Properties by Chromophore Juggling.. <i>Journal of Organic Chemistry</i> , <b>2022</b> , 87, 6668-6679	4.2	0
41	Fluorenone and Triphenylamine Based Donor-Acceptor-Donor (D-A-D) for Solution-Processed Organic Light-Emitting Diodes. <i>Flexible and Printed Electronics</i> ,	3.1	0
40	Spiro-Configured Dibenzosuberenes as Deep-Blue Emitters for Organic Light-Emitting Diodes with CIE <sub>y</sub> of 0.04. <i>Materials Chemistry Frontiers</i> ,	7.8	1
39	Discs to a 'Bright' Future: Exploring Discotic Liquid Crystals in Organic Light Emitting Diodes in the Era of New-Age Smart Materials.. <i>Chemical Record</i> , <b>2022</b> , e202200056	6.6	2
38	Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using hydroxyl-substituted tetraphenylimidazole-functionalized anthracene fluorescent emitter. <i>Journal of Materials Chemistry C</i> ,	7.1	1
37	Blue light polymeric emitters for the development of OLED devices. <i>Journal of Materials Science: Materials in Electronics</i> ,	2.1	0
36	Derivatives of Imidazole and Carbazole as Bifunctional Materials for Organic Light Emitting Diodes. <i>SSRN Electronic Journal</i> ,	1	
35	Synthesis and Luminescent Properties of 1,4,5-Triphenylimidazole-Phenothiazine Fluorophores. <i>Journal of Fluorescence</i> ,	2.4	
34	Experimental and computational analysis of the Linear and Nonlinear optical properties of Magnesium bis-(8-hydroxyquinoline) thin film. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165947	5.7	0
33	Design and synthesis of D-A-D? type compounds with AIE characteristics for hybrid WOLED with stable chromaticity. <i>Dyes and Pigments</i> , <b>2022</b> , 205, 110511	4.6	0
32	Multi-stimuli-responsive fluorescence of bibranched bromo-substituted cyanostilbene derivative with aggregation induced emission enhancement and green light-emitting diode. <i>Results in Optics</i> , <b>2022</b> , 8, 100264	1	0

- 31 Multicolor Nitrogen-Doped Carbon Quantum Dots for Environment-Dependent Emission Tuning. **2022**, 7, 27742-27754 1
- 30 Photo- and electro-luminescent properties of difluoroboron complexes based on the carbazole-functionalized 2-(benzo[d]thiazol-2-yl)phenol ligands. **2022**, 207, 110738 0
- 29 Recent Progress in Imidazole Based Efficient near Ultraviolet/Blue Hybridized Local Charge Transfer (HLCT) Characteristics Fluorophores for Organic Light-Emitting Diodes. 0
- 28 Acridone and quinacridone derivatives with carbazole or phenoxazine substituents: synthesis, electrochemistry, photophysics and application as TADF electroluminophores. **2022**, 10, 12377-12391 0
- 27 Cu<sub>2</sub>O-Catalyzed Ullmann-type C N cross-coupling reaction of carbazole and aryl chlorides. **2022**, 154140 0
- 26 Small Molecules Containing Amphoteric Imidazole Motifs as Sensitizers for Dye-Sensitized Solar Cells: An Overview. **2022**, 380, 0
- 25 Facially Coordinated, Tris-bidentate Purin-8-ylidene Ir(III) Complexes for Blue Electrophosphorescence and Hyperluminescence. 2201633 0
- 24 Bright V-shaped bis-imidazo[1,2-a]pyridine fluorophores with near-UV to deep-blue emission. 0
- 23 The combination of skeleton-engineering and periphery-engineering: a design strategy for organic doublet emitters. 0
- 22 Multiple-Resonance-Type TADF Emitter as Sensitizer Improving the Performance of Blue Fluorescent Organic Light-Emitting Diodes. 2202034 1
- 21 Sky-Blue Aggregation-Induced Delayed Fluorescence Luminogens with High Horizontal Dipole Orientation for Efficient Organic Light-Emitting Diodes. 0
- 20 Blue fluorescent Zinc(II) complexes bearing schiff base ligand for solution-processed organic light-emitting diodes with CIEy 0.09. **2022**, 134, 113222 1
- 19 Review on promising roles of alkali metals toward highly efficient perovskite light-emitting diodes. 0
- 18 Shifting emission of oxadiazoles via inter- or intramolecular hydrogen bonding. **2023**, 210, 111023 0
- 17 Derivatives of Imidazole and Carbazole as Bifunctional Materials for Organic Light-Emitting Diodes. **2022**, 15, 8495 0
- 16 Deep-Blue Triplet-Triplet Annihilation Organic Light-Emitting Diode (CIEy 0.05) Using Tetraphenylimidazole and Benzonitrile Functionalized Anthracene/Chrysene Emitters. **2022**, 27, 8923 0
- 15 Triazine and Thiophene-Containing Conjugated Polymer Network Emitter-Based Solution-Processable Stable Blue Organic LEDs. **2023**, 5, 130-140 0
- 14 A Pyridyl-1,2-azaborine Ligand for Phosphorescent Neutral Iridium(III) Complexes. **2023**, 62, 2456-2469 0

- 13 Effect of void-carbon on blue-shifted luminescence in TADF molecules by theoretical simulations. 11,
- 12 Progress on Blue-Emitting Hot Exciton Materials. **2023**, 43, 573
- 11 Highly efficient fluorescent organic electroluminescent diodes based on doping-free phosphorescent sensitization system. **2023**, 116, 106772
- 10 Luminescent furo[2,3-c]isoquinolines as fluorophores - Tuning the luminophore by donor substitution. **2023**, 214, 111190
- 9 A Review on the Milestones of Blue Light-Emitting Materials in India. **2023**, 5, 1-20
- 8 A Class of Enantiomerically Pure Bis-oxamide Palladium Complexes: Modular Synthesis via Domino C(sp<sup>2</sup>)-C Bond Arylation and Photophysical Property. **2023**, 25, 912-916
- 7 Highly thermal stable and efficient carbazole/pyridine/dibenzothiophene based bipolar host material for red phosphorescent light-emitting diodes. **2023**, 770, 139767
- 6 A deep-blue crystalline organic light-emitting diode based on a solid-solution thin-film emitting layer. **2023**, 11, 4120-4128
- 5 Imidazole-based fluorophores: Synthesis and applications. **2023**, 29, 101453
- 4 Tuning the energy transfer in Ruddlesden-Popper perovskites phases through isopropylammonium addition towards efficient blue emitters. **2023**, 15, 6673-6685
- 3 Deep-Blue Organic Light-Emitting Diodes Employed Traditional Hole Transporting Material as Emitter for 31-Inch 4K Flexible Display. **2023**, 13, 687
- 2 Bifunctional Bicarbazole-Benzophenone-Based Twisted Donor-Acceptor-Donor Derivatives for Deep-Blue and Green OLEDs. **2023**, 13, 1408
- 1 Biosynthesis of the Narrowband Deep-Red Emissive Carbon Nanodots from Eggshells.