

Andrew Monkman

List of Publications by Year in Descending Order

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

454
papers

20,397
citations

72
h-index

121
g-index

484
ext. papers

22,311
ext. citations

5.7
avg, IF

7.05
L-index

#	Paper	IF	Citations
454	Diindolocarbazole - achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units.. <i>Materials Horizons</i> , 2022 ,	14.4	7
453	Spiro donor-acceptor TADF emitters: naked TADF free from inhomogeneity caused by donor acceptor bridge bond disorder. Fast rISC and invariant photophysics in solid state hosts. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1313-1325	7.1	3
452	Determining non-radiative decay rates in TADF compounds using coupled transient and steady state optical data. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4878-4885	7.1	2
451	Effects of Donor Position and Multiple Charge Transfer Pathways in Asymmetric Pyridyl-Sulfonyl TADF Emitters. <i>Materials Today Communications</i> , 2022 , 103550	2.5	1
450	Halogenation of a twisted non-polar π -system as a tool to modulate phosphorescence at room temperature.. <i>Chemical Science</i> , 2021 , 12, 15116-15127	9.4	4
449	Excited-state photodynamics of pyrene-containing boronated dyes. <i>Dyes and Pigments</i> , 2021 , 197, 1099346	14.6	1
448	Conformational Dependence of Triplet Energies in Rotationally Hindered N- and S-Heterocyclic Dimers: New Design and Measurement Rules for High Triplet Energy OLED Host Materials. <i>Chemistry - A European Journal</i> , 2021 , 27, 6545-6556	4.8	12
447	Investigation of Intramolecular Through-Space Charge-Transfer States in Donor-Acceptor Charge-Transfer Systems. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2820-2830	6.4	12
446	Vibrational Damping Reveals Vibronic Coupling in Thermally Activated Delayed Fluorescence Materials. <i>Chemistry of Materials</i> , 2021 , 33, 3066-3080	9.6	16
445	Opposite Sign of Polarization Splitting in Ultrastrongly Coupled Organic Tamm Plasmon Structures. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8376-8381	3.8	3
444	Silylethynyl Substitution for Preventing Aggregate Formation in Perylene Diimides. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13041-13049	3.8	4
443	Difluorodithieno[3,2-a:2',3'-c]phenazine as a strong acceptor for materials displaying thermally activated delayed fluorescence or room temperature phosphorescence. <i>Dyes and Pigments</i> , 2021 , 190, 109301	4.6	2
442	Benzo[1,2-b:4,5-b']dithiophene as a weak donor component for push-pull materials displaying thermally activated delayed fluorescence or room temperature phosphorescence. <i>Dyes and Pigments</i> , 2021 , 186, 109022	4.6	7
441	Suppressing dimer formation by increasing conformational freedom in multi-carbazole thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 189-198	7.1	13
440	Are the rates of Dexter transfer in TADF hyperfluorescence systems optically accessible?. <i>Materials Horizons</i> , 2021 , 8, 1805-1815	14.4	13
439	Hot Vibrational States in a High-Performance Multiple Resonance Emitter and the Effect of Excimer Quenching on Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8643-8655	9.5	26
438	The Critical Role of $n\pi^*$ States in the Photophysics and Thermally Activated Delayed Fluorescence of Spiro Acridine-Anthracenone. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1490-1500	6.4	15

437	Why Do We Still Need a Stable Long Lifetime Deep Blue OLED Emitter?. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	13
436	Effects of asymmetric acceptor and donor positioning in deep blue pyridyl-sulfonyl based TADF emitters. <i>Dyes and Pigments</i> , 2021 , 194, 109579	4.6	4
435	Modulation of charge transfer by -alkylation to control photoluminescence energy and quantum yield. <i>Chemical Science</i> , 2020 , 11, 6990-6995	9.4	2
434	Investigation of Thermally Activated Delayed Fluorescence from a Donor-Acceptor Compound with Time-Resolved Fluorescence and Density Functional Theory Applying an Optimally Tuned Range-Separated Hybrid Functional. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1535-1553	2.8	12
433	Excited State Dynamics of Thermally Activated Delayed Fluorescence from an Excited State Intramolecular Proton Transfer System. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3305-3312	6.4	13
432	Unusual dual-emissive heteroleptic iridium complexes incorporating TADF cyclometalating ligands. <i>Dalton Transactions</i> , 2020 , 49, 2190-2208	4.3	13
431	Photophysics of TADF Guest-Host Systems: Introducing the Idea of Hosting Potential. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2868-2881	4	25
430	Exploiting trifluoromethyl substituents for tuning orbital character of singlet and triplet states to increase the rate of thermally activated delayed fluorescence. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3602-3615	7.8	16
429	Navigating CIE Space for Efficient TADF Downconversion WOLEDs. <i>Dyes and Pigments</i> , 2020 , 183, 108707	7.6	8
428	Reducing lifetime in Cu(I) complexes with thermally activated delayed fluorescence and phosphorescence promoted by chalcogenolate-imine ligands. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14595-14604	7.1	10
427	Efficient UV Luminescence from Organic-Based Tamm Plasmon Structures Emitting in the Strong-Coupling Regime. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21656-21663	3.8	6
426	Liquid Crystalline Conjugated Polymers. <i>Polymers and Polymeric Composites</i> , 2020 , 317-339	0.6	
425	Dynamics of aggregated states resolved by gated fluorescence in films of room temperature phosphorescent emitters. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3814-3821	3.6	3
424	Electroabsorption Spectroscopy as a Tool for Probing Charge Transfer and State Mixing in Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3205-3211	6.4	20
423	Delayed Blue Fluorescence via Upper-Triplet State Crossing from C-C Bonded Donor-Acceptor Charge Transfer Molecules with Azatriangulene Cores. <i>Chemistry of Materials</i> , 2019 , 31, 6684-6695	9.6	22
422	Intramolecular Dimerization Quenching of Delayed Emission in Asymmetric D-D'-A TADF Emitters. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 12400-12410	3.8	41
421	Persistent Dimer Emission in Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11109-11117	3.8	53
420	Less Is More: Dilution Enhances Optical and Electrical Performance of a TADF Exciplex. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 793-798	6.4	61

419	Molecular Design Strategies for Color Tuning of Blue TADF Emitters. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27125-27133	9.5	66
418	The effect of a heavy atom on the radiative pathways of an emitter with dual conformation, thermally-activated delayed fluorescence and room temperature phosphorescence. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10481-10490	7.1	28
417	Revealing resonance effects and intramolecular dipole interactions in the positional isomers of benzonitrile-core thermally activated delayed fluorescence materials. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9184-9194	7.1	26
416	Identifying the Factors That Lead to PLQY Enhancement in Diluted TADF Exciplexes Based on Carbazole Donors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17318-17324	3.8	14
415	Revising of the Purcell effect in periodic metal-dielectric structures: the role of absorption. <i>Scientific Reports</i> , 2019 , 9, 9604	4.9	14
414	An unusual plank-shaped nematogen with a graphene nanoribbon core. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12080-12085	7.1	5
413	Liquid Crystalline Conjugated Polymers 2019 , 1-23		
412	Conformationally-restricted bicarbazoles with phenylene bridges displaying deep-blue emission and high triplet energies: systematic structure-property relationships. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11867-11875	3.6	7
411	Triazatruxene: A Rigid Central Donor Unit for a D-A Thermally Activated Delayed Fluorescence Material Exhibiting Sub-Microsecond Reverse Intersystem Crossing and Unity Quantum Yield via Multiple Singlet-Triplet State Pairs. <i>Advanced Science</i> , 2018 , 5, 1700989	13.6	103
410	Chemical and conformational control of the energy gaps involved in the thermally activated delayed fluorescence mechanism. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4842-4853	7.1	72
409	Photophysics of Thermally Activated Delayed Fluorescence in Organic Molecules. <i>Materials and Energy</i> , 2018 , 227-261		1
408	Effects of Ortho-Phenyl Substitution on the rISC Rate of D _A Type TADF Molecules. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7627-7634	3.8	36
407	The theory of thermally activated delayed fluorescence for organic light emitting diodes. <i>Chemical Communications</i> , 2018 , 54, 3926-3935	5.8	159
406	Solution processable small molecule based TADF exciplex OLEDs. <i>Organic Electronics</i> , 2018 , 62, 168-173	3.5	9
405	Spontaneous Emission Amplification in Silver/Organic Periodic Structures and Tamm Plasmon Structures. <i>Semiconductors</i> , 2018 , 52, 1861-1864	0.7	1
404	Spontaneous emission enhancement in planar metal-organic structures. <i>Journal of Physics: Conference Series</i> , 2018 , 1135, 012034	0.3	
403	Purcell effect investigation in organic Tamm plasmon structures. <i>Journal of Physics: Conference Series</i> , 2018 , 1135, 012082	0.3	1
402	Production and Characterization of Vacuum Deposited Organic Light Emitting Diodes. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3

401	Importance of Chromophore Rigidity on the Efficiency of Blue Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28564-28575	3.8	27
400	Kinetic Modeling of Transient Photoluminescence from Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29173-29179	3.8	33
399	Photophysics of Thermally Activated Delayed Fluorescence 2018 , 425-463		7
398	Dihedral Angle Control of Blue Thermally Activated Delayed Fluorescent Emitters through Donor Substitution Position for Efficient Reverse Intersystem Crossing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35420-35429	9.5	51
397	Thermally Activated Delayed Fluorescence Mediated through the Upper Triplet State Manifold in Non-Charge-Transfer Star-Shaped Triphenylamine-Carbazole Molecules. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23934-23942	3.8	15
396	Interfacial TADF Exciplex as a Tool to Localize Excitons, Improve Efficiency, and Increase OLED Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40001-40007	9.5	35
395	Experimental Study of Spontaneous-Emission Enhancement in Tamm Plasmon Structures with an Organic Active Region. <i>Semiconductors</i> , 2018 , 52, 1420-1423	0.7	2
394	Triphenylamine disubstituted naphthalene diimide: elucidation of excited states involved in TADF and application in near-infrared organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8219-8225	7.1	28
393	Thermally activated delayed fluorescent phenothiazine-dibenzo[,]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , 2017 , 8, 2677-2686	9.4	245
392	Photophysics of thermally activated delayed fluorescence molecules. <i>Methods and Applications in Fluorescence</i> , 2017 , 5, 012001	3.1	265
391	Regio- and conformational isomerization critical to design of efficient thermally-activated delayed fluorescence emitters. <i>Nature Communications</i> , 2017 , 8, 14987	17.4	179
390	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , 2017 , 18, 2314-2317	3.2	12
389	Fluorescence and Phosphorescence Anisotropy from Oriented Films of Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2930-2935	6.4	5
388	Triplet-Triplet Annihilation in 9,10-Diphenylanthracene Derivatives: The Role of Intersystem Crossing and Exciton Diffusion. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8515-8524	3.8	32
387	Synthesis of biscyclometalated iridium(III) acetylacetonate complexes via a 15min bridge-splitting reaction, their characterisations and photophysical properties. <i>Journal of Organometallic Chemistry</i> , 2017 , 851, 184-188	2.3	3
386	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , 2017 , 18, 2305-2305	3.2	4
385	Photophysics of an Asymmetric Donor-Acceptor-Donor TADF Molecule and Reinterpretation of Aggregation-Induced TADF Emission in These Materials. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17764-17772	3.8	37
384	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 6234	4.9	29

383	Pyridylpyrazole N [^] N ligands combined with sulfonyl-functionalised cyclometalating ligands for blue-emitting iridium(III) complexes and solution-processable PHOLEDs. <i>Dalton Transactions</i> , 2017 , 46, 10996-11007	4.3	15
382	Deep-Blue High-Efficiency TTA OLED Using Para- and Meta-Conjugated Cyanotriphenylbenzene and Carbazole Derivatives as Emitter and Host. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 6199-6205	6.4	87
381	Excited-State Aromatic Interactions in the Aggregation-Induced Emission of Molecular Rotors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17882-17889	16.4	90
380	Optical and Polarity Control of Donor-Acceptor Conformation and Their Charge-Transfer States in Thermally Activated Delayed-Fluorescence Molecules. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16462-16469	3.8	31
379	Bright green PHOLEDs using cyclometalated diiridium(III) complexes with bridging oxamidato ligands as phosphorescent dopants. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6777-6789	7.1	25
378	Indirect consequences of exciplex states on the phosphorescence lifetime of phenazine-based 1,2,3-triazole luminescent probes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3473-3479	3.6	6
377	Pendant Homopolymer and Copolymers as Solution-Processable Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Macromolecules</i> , 2016 , 49, 5452-5460	5.5	118
376	Electric Field Induce Blue Shift and Intensity Enhancement in 2D Exciplex Organic Light Emitting Diodes; Controlling Electron-Hole Separation. <i>Advanced Materials</i> , 2016 , 28, 8014-8020	24	54
375	The Role of Local Triplet Excited States and D-A Relative Orientation in Thermally Activated Delayed Fluorescence: Photophysics and Devices. <i>Advanced Science</i> , 2016 , 3, 1600080	13.6	304
374	Star-Shaped Conjugated Molecules with Oxa- or Thiadiazole Bithiophene Side Arms. <i>Chemistry - A European Journal</i> , 2016 , 22, 11795-806	4.8	18
373	Synthesis and characterization of chalcogenophene-based monomers with pyridine acceptor unit. <i>Electrochimica Acta</i> , 2016 , 210, 773-782	6.7	13
372	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , 2016 , 128, 5833-5838	3.6	58
371	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5739-44	16.4	224
370	Soluble Flavanthronone Derivatives: Synthesis, Characterization, and Application to Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2016 , 22, 7978-86	4.8	13
369	Spectroscopic studies of different poly(3-hexylthiophene) chain environments in a polyfluorene matrix. <i>Journal of Luminescence</i> , 2016 , 172, 118-123	3.8	7
368	Synthesis, thermal and optical properties of a novel bis(2-(4-dicyanovinylphenyl)pyridinato-N,C2)iridium(acetylacetonate). <i>Inorganica Chimica Acta</i> , 2016 , 440, 102-106	2.7	2
367	Kesterite Inorganic-Organic Heterojunction for Solution Processable Solar Cells. <i>Electrochimica Acta</i> , 2016 , 201, 78-85	6.7	4
366	High efficiency OLEDs based on anthracene derivatives: The impact of electron donating and withdrawing group on the performance of OLED. <i>Organic Electronics</i> , 2016 , 30, 149-157	3.5	56

365	The interplay of thermally activated delayed fluorescence (TADF) and room temperature organic phosphorescence in sterically-constrained donor-acceptor charge-transfer molecules. <i>Chemical Communications</i> , 2016 , 52, 2612-5	5.8	171
364	Engineering the singlet-triplet energy splitting in a TADF molecule. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3815-3824	7.1	143
363	Exciplex Enhancement as a Tool to Increase OLED Device Efficiency. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2070-2078	3.8	64
362	The Importance of Vibronic Coupling for Efficient Reverse Intersystem Crossing in Thermally Activated Delayed Fluorescence Molecules. <i>ChemPhysChem</i> , 2016 , 17, 2956-2961	3.2	404
361	Rational Design of TADF Polymers Using a Donor-Acceptor Monomer with Enhanced TADF Efficiency Induced by the Energy Alignment of Charge Transfer and Local Triplet Excited States. <i>Advanced Optical Materials</i> , 2016 , 4, 597-607	8.1	185
360	Revealing the spin-vibronic coupling mechanism of thermally activated delayed fluorescence. <i>Nature Communications</i> , 2016 , 7, 13680	17.4	468
359	Sulfonyl-Substituted Heteroleptic Cyclometalated Iridium(III) Complexes as Blue Emitters for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016 , 55, 8612-27	5.1	28
358	Using Guest-Host Interactions To Optimize the Efficiency of TADF OLEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3341-6	6.4	181
357	Generating Light from Upper Excited Triplet States: A Contribution to the Indirect Singlet Yield of a Polymer OLED, Helping to Exceed the 25% Singlet Exciton Limit. <i>Advanced Science</i> , 2016 , 3, 1500221	13.6	25
356	Investigation of the Mechanisms Giving Rise to TADF in Exciplex States. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18259-18267	3.8	73
355	The role of exciplex states in phosphorescent OLEDs with poly(vinylcarbazole) (PVK) host. <i>Organic Electronics</i> , 2015 , 20, 97-102	3.5	19
354	Fluorene co-polymers with high efficiency deep-blue electroluminescence. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2479-2483	7.1	21
353	Inter/Intrachain Interactions Behind the Formation of Charge Transfer States in Polyspirobifluorene: A Case Study for Complex Excited-State Dynamics in Different Polarity Index Solvents. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5855-5863	3.8	5
352	Evidence for Solid State Electrochemical Degradation Within a Small Molecule OLED. <i>Electrochimica Acta</i> , 2015 , 184, 86-93	6.7	12
351	Anion-specific aggregation induced phosphorescence emission (AIPE) in an ionic iridium complex in aqueous media. <i>Chemical Communications</i> , 2015 , 51, 16924-7	5.8	40
350	Hole-transporting side-chain polystyrenes based on TCTA with tuned glass transition and optimized electronic properties. <i>RSC Advances</i> , 2015 , 5, 83122-83128	3.7	7
349	Efficient p-phenylene based OLEDs with mixed interfacial exciplex emission. <i>Electrochimica Acta</i> , 2015 , 182, 524-528	6.7	13
348	Spectroelectrochemical Analysis of Charge Carriers as a Way of Improving Poly(p-phenylene)-Based Electrochromic Windows. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20188-20200	3.8	14

347	Synthesis and investigation of intra-molecular charge transfer state properties of novel donor-acceptor-donor pyridine derivatives: the effects of temperature and environment on molecular configurations and the origin of delayed fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25572-82	3.6	23
346	High brightness deep blue/violet fluorescent polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9664-9669	7.1	29
345	34.1: Invited Paper: Effect of Singlet Triplet Recycling in the Charge Transfer State Manifold and Molecular Geometry on Thermally Activated Delayed Fluorescence. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 494-497	0.5	
344	Diquinoline Derivatives as Materials for Potential Optoelectronic Applications. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13129-13137	3.8	8
343	Photophysical Investigation of the Thermally Activated Delayed Emission from Films of m-MTDATA:PBD Exciplex. <i>Advanced Functional Materials</i> , 2014 , 24, 2343-2351	15.6	115
342	Effect of PEDOT:PSS resistivity and work function on PLED performance. <i>Organic Electronics</i> , 2014 , 15, 245-250	3.5	24
341	The key role of geminate electron-hole pair recombination in the delayed fluorescence in rhodamine 6G and ATTO-532. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21543-9	3.6	7
340	Bimetallic Cyclometalated Iridium(III) Diastereomers with Non-Innocent Bridging Ligands for High-Efficiency Phosphorescent OLEDs. <i>Angewandte Chemie</i> , 2014 , 126, 11800-11803	3.6	12
339	Highly Efficient TADF OLEDs: How the Emitter-Host Interaction Controls Both the Excited State Species and Electrical Properties of the Devices to Achieve Near 100% Triplet Harvesting and High Efficiency. <i>Advanced Functional Materials</i> , 2014 , 24, 6178-6186	15.6	232
338	Bimetallic cyclometalated iridium(III) diastereomers with non-innocent bridging ligands for high-efficiency phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11616-9	16.4	59
337	Efficient deep blue fluorescent polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5587-5592	7.1	35
336	Engineering Blue Fluorescent Bulk Emitters for OLEDs: Triplet Harvesting by Green Phosphors. <i>Chemistry of Materials</i> , 2014 , 26, 2414-2426	9.6	16
335	Methods for controlling structure and photophysical properties in polyfluorene solutions and gels. <i>Advanced Materials</i> , 2013 , 25, 1090-108	24	106
334	Fabrication of ZnO nanorod/p-GaN high-brightness UV LED by microwave-assisted chemical bath deposition with Zn(OH) ₂ /BVA nanocomposites as seed layer. <i>Optical Materials</i> , 2013 , 35, 1035-1041	3.3	23
333	Carbazole based polymers as hosts for blue iridium emitters: synthesis, photophysics and high efficiency PLEDs. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8209	7.1	18
332	Deep blue exciplex organic light-emitting diodes with enhanced efficiency; P-type or E-type triplet conversion to singlet excitons?. <i>Advanced Materials</i> , 2013 , 25, 1455-9	24	215
331	Efficient Light-Emitting Electrochemical Cells (LECs) Based on Ionic Iridium(III) Complexes with 1,3,4-Oxadiazole Ligands. <i>Advanced Functional Materials</i> , 2013 , 23, n/a-n/a	15.6	34
330	Interfacial exciplex formation in bilayers of conjugated polymers. <i>Journal of Chemical Physics</i> , 2013 , 139, 164908	3.9	5

329	Cyclometalated Ir(III) Complexes for High-Efficiency Solution-Processable Blue PhOLEDs. <i>Chemistry of Materials</i> , 2013 , 25, 2352-2358	9.6	102
328	Triplet harvesting with 100% efficiency by way of thermally activated delayed fluorescence in charge transfer OLED emitters. <i>Advanced Materials</i> , 2013 , 25, 3707-14	24	714
327	Femtosecond hot-exciton emission in a ladder-type π -conjugated rigid-polymer nanowire. <i>Physical Review B</i> , 2013 , 87,	3.3	18
326	A Study of Illumination and Communication using Organic Light Emitting Diodes. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3511-3517	4	30
325	Ultrahigh Efficiency Fluorescent Single and Bi-Layer Organic Light Emitting Diodes: The Key Role of Triplet Fusion. <i>Advanced Functional Materials</i> , 2013 , 23, 739-746	15.6	216
324	Photophysics of the geminate polaron-pair state in copper phthalocyanine organic photovoltaic blends: evidence for enhanced intersystem crossing. <i>Advanced Materials</i> , 2013 , 25, 1930-8	24	5
323	Energy Upconversion via Triplet Fusion in Super Yellow PPV Films Doped with Palladium Tetraphenyltetrabenzoporphyrin: a Comprehensive Investigation of Exciton Dynamics. <i>Advanced Functional Materials</i> , 2013 , 23, 384-393	15.6	90
322	Singlet Generation from Triplet Excitons in Fluorescent Organic Light-Emitting Diodes. <i>ISRN Materials Science</i> , 2013 , 2013, 1-19		42
321	Competition between polaron pair formation and singlet fission observed in amorphous rubrene films. <i>Physical Review B</i> , 2013 , 87,	3.3	46
320	Spectroscopic properties, excitation, and electron transfer in an anionic water-soluble poly(fluorene-alt-phenylene)-perylene diimide copolymer. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7548-59	3.4	14
319	Electron paramagnetic resonance study of spin centers related to charge transport in metallic polyaniline. <i>Synthetic Metals</i> , 2012 , 162, 1147-1155	3.6	19
318	Photophysics of Charge Generation in Organic Photovoltaic Materials: Kinetic Studies of Geminate and Free Polarons in a Model Donor/Acceptor System. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 86-97	3.8	11
317	Kinetic Studies of Geminate Polaron Pair Recombination, Dissociation, and Efficient Triplet Exciton Formation in PC:PCBM Organic Photovoltaic Blends. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4390-4398	3.8	16
316	Measurement of interchain and intrachain exciton hopping barriers in luminescent polymer. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 015801	1.8	1
315	Colour tuning from green to red by substituent effects in phosphorescent tris-cyclometalated iridium(III) complexes of carbazole-based ligands: synthetic, photophysical, computational and high efficiency OLED studies. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6419		94
314	Dinuclear iridium(III) complexes of cyclometalated fluorenylpyridine ligands as phosphorescent dopants for efficient solution-processed OLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13529		40
313	Room-Temperature Phosphorescence From Films of Isolated Water-Soluble Conjugated Polymers in Hydrogen-Bonded Matrices. <i>Advanced Functional Materials</i> , 2012 , 22, 3824-3832	15.6	115
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