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List of Publications by Year
in descending order

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53 papers	5,199 citations	201674 27 h-index	197818 49 g-index
54 all docs	54 docs citations	54 times ranked	5256 citing authors

#	Article	IF	Citations
1	High-Brightness Perovskite Microcrystalline Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 2963-2968.	4.6	5
2	Molecularly Controlled Quantum Well Width Distribution and Optoelectronic Properties in Quasi-2D Perovskite Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 4098-4103.	4.6	8
3	Exploring Device Physics in OLEDs via Magneto-Electroluminescence Study. , 2022, , 419-448.		0
4	Perovskite Lightâ€Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	21.0	16
5	Efficient Red Electroluminescence From Phenanthro[9,10â€d]imidazoleâ€Naphtho[2,3â€c][1,2,5]thiadiazole Donorâ€Acceptor Derivatives. Chemistry - an Asian Journal, 2021, 16, 1942-1948.	3.3	4
6	Unveiling the additive-assisted oriented growth of perovskite crystallite for high performance light-emitting diodes. Nature Communications, 2021, 12, 5081.	12.8	178
7	Achieving High Efficiency at High Luminance in Fluorescent Organic Lightâ€Emitting Diodes through Tripletâ€"Triplet Fusion Based on Phenanthroimidazoleâ€Benzothiadiazole Derivatives. Chemistry - A European Journal, 2021, 27, 13828-13839.	3.3	4
8	Plasmon-mediated photochemical transformation of inorganic nanocrystals. Applied Materials Today, 2021, 24, 101125.	4.3	14
9	Molecular Cocatalyst-Induced Enhancement of the Plasmon-Mediated Coupling of <i>p</i>-Nitrothiophenols at the Silver Nanoparticleâ€"Graphene Oxide Interface. ACS Applied Nano Materials, 2021, 4, 10976-10984.	5.0	10
10	Microcavity top-emission perovskite light-emitting diodes. Light: Science and Applications, 2020, 9, 89.	16.6	96
11	Understanding the luminescent nature of organic radicals for efficient doublet emitters and pure-red light-emitting diodes. Nature Materials, 2020, 19, 1224-1229.	27.5	159
12	Surfaceâ€Plasmonâ€Enhanced Perovskite Lightâ€Emitting Diodes. Small, 2020, 16, e2001861.	10.0	30
13	High stability and luminescence efficiency in donorâ€"acceptor neutral radicals not following the Aufbau principle. Nature Materials, 2019, 18, 977-984.	27.5	181
14	A transient-electroluminescence study on perovskite light-emitting diodes. Applied Physics Letters, 2019, 115, .	3.3	51
15	High-color-purity and efficient solution-processable blue phosphorescent light-emitting diodes with Pt(<scp>ii</scp>) complexes featuring ³Ï€Ï€* transitions. Materials Chemistry Frontiers, 2019, 3, 2448-2454.	5.9	36
16	Phenothiazinen-Dimesitylarylborane-Based Thermally Activated Delayed Fluorescence: High-Performance Non-doped OLEDs With Reduced Efficiency Roll-Off at High Luminescence. Frontiers in Chemistry, 2019, 7, 373.	3.6	7
17	A radical polymer with efficient deep-red luminescence in the condensed state. Materials Horizons, 2019, 6, 1265-1270.	12.2	36
18	Defect Passivation for Red Perovskite Light-Emitting Diodes with Improved Brightness and Stability. Journal of Physical Chemistry Letters, 2019, 10, 380-385.	4.6	55

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19	Efficient Nondoped Blue Fluorescent Organic Lightâ€Emitting Diodes (OLEDs) with a High External Quantum Efficiency of 9.4% @ 1000 cd m^{âˆ’2} Based on Phenanthroimidazoleâˆ’Anthracene Derivative. Advanced Functional Materials, 2018, 28, 1705813.	14.9	193
20	Efficient deep blue fluorescent OLEDs with ultra-low efficiency roll-off based on 4H-1,2,4-triazole cored D-A and D-A-D type emitters. Dyes and Pigments, 2018, 153, 10-17.	3.7	27
21	Magneto-Electroluminescence in Organic Light-Emitting Devices and Its Role in Study of Device Physics. Materials and Energy, 2018, , 285-338.	0.1	1
22	Perovskite light-emitting diodes based on spontaneously formed submicrometre-scale structures. Nature, 2018, 562, 249-253.	27.8	1,555
23	Charge-transfer versus energy-transfer in quasi-2D perovskite light-emitting diodes. Nano Energy, 2018, 50, 615-622.	16.0	103
24	Multicarbazolyl substituted TTM radicals: red-shift of fluorescence emission with enhanced luminescence efficiency. Materials Chemistry Frontiers, 2017, 1, 2132-2135.	5.9	41
25	Effect of alkyl chain length of the ammonium groups in SEPC-CIL on the performance of polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 15294-15301.	10.3	11
26	Tripletâ€“Polaronâ€Interactionâ€Induced Upconversion from Triplet to Singlet: a Possible Way to Obtain Highly Efficient OLEDs. Advanced Materials, 2016, 28, 4740-4746.	21.0	140
27	Rational utilization of intramolecular and intermolecular hydrogen bonds to achieve desirable electron transporting materials with high mobility and high triplet energy. Journal of Materials Chemistry C, 2016, 4, 1482-1489.	5.5	23
28	Innentitelbild: Organic Light-Emitting Diodes Using a Neutral Ï€â€¦Radical as Emitter: The Emission from a Doublet (Angew. Chem. 24/2015). Angewandte Chemie, 2015, 127, 7048-7048.	2.0	0
29	Organic Lightâ€Emitting Diodes Using a Neutral Ï€â€¦Radical as Emitter: The Emission from a Doublet. Angewandte Chemie, 2015, 127, 7197-7201.	2.0	71
30	Simultaneous harvesting of triplet excitons in OLEDs by both guest and host materials with an intramolecular charge-transfer feature via tripletâ€“triplet annihilation. Journal of Materials Chemistry C, 2015, 3, 6970-6978.	5.5	20
31	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasiâ€Equivalent Hybridized Excited State. Advanced Functional Materials, 2015, 25, 1755-1762.	14.9	381
32	Delayed Fluorescence in a Solution-Processable Pure Red Molecular Organic Emitter Based on Dithienylbenzothiadiazole: A Joint Optical, Electroluminescence, and Magnetoelectroluminescence Study. ACS Applied Materials & Interfaces, 2015, 7, 2972-2978.	8.0	49
33	Benzobisoxazole-based electron transporting materials with high T_g and ambipolar property: high efficiency deep-red phosphorescent OLEDs. Journal of Materials Chemistry C, 2015, 3, 7589-7596.	5.5	25
34	Organic Lightâ€Emitting Diodes Using a Neutral Ï€â€¦Radical as Emitter: The Emission from a Doublet. Angewandte Chemie - International Edition, 2015, 54, 7091-7095.	13.8	312
35	Efficient Deep Blue Electroluminescence with an External Quantum Efficiency of 6.8% and CIE_{<i>y</i>} < 0.08 Based on a Phenanthroimidazoleâ€“Sulfone Hybrid Donorâ€“Acceptor Molecule. Chemistry of Materials, 2015, 27, 7050-7057.	6.7	239
36	Asymmetrically twisted anthracene derivatives as highly efficient deep-blue emitters for organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 9942-9947.	5.5	44

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37	Magnetoâ€Electroluminescence as a Tool to Discern the Origin of Delayed Fluorescence: Reverse Intersystem Crossing or Tripletâ€“Triplet Annihilation?. Advanced Optical Materials, 2014, 2, 142-148.	7.3	70
38	Employing â^¼100% Excitons in OLEDs by Utilizing a Fluorescent Molecule with Hybridized Local and Chargeâ€Transfer Excited State. Advanced Functional Materials, 2014, 24, 1609-1614.	14.9	527
39	Studying the influence of triplet deactivation on the singletâ€“triplet inter-conversion in intra-molecular charge-transfer fluorescence-based OLEDs by magneto-electroluminescence. Journal of Materials Chemistry C, 2014, 2, 6264-6268.	5.5	31
40	Lending Triarylphosphine Oxide to Phenanthroline: a Facile Approach to Highâ€Performance Organic Smallâ€Molecule Cathode Interfacial Material for Organic Photovoltaics utilizing Airâ€Stable Cathodes. Advanced Functional Materials, 2014, 24, 6540-6547.	14.9	96
41	Efficient Triplet Application in Exciplex Delayed-Fluorescence OLEDs Using a Reverse Intersystem Crossing Mechanism Based on a Î”<i>E</i>_{Sâ€“T} of around Zero. ACS Applied Materials & Interfaces, 2014, 6, 11907-11914.	8.0	125
42	Experimental investigation on the origin of magneto-conductance and magneto-electroluminescence in organic light emitting devices. Synthetic Metals, 2013, 173, 31-34.	3.9	9
43	Evidence of the Reverse Intersystem Crossing in Intraâ€Molecular Chargeâ€Transfer Fluorescenceâ€Based Organic Lightâ€Emitting Devices Through Magnetoâ€Electroluminescence Measurements. Advanced Optical Materials, 2013, 1, 362-366.	7.3	84
44	A Study on the Sign Inversion Behavior of Organic Magnetoresistance. IEEE Electron Device Letters, 2013, 34, 450-452.	3.9	1
45	Identifying the efficient inter-conversion between singlet and triplet charge-transfer states by magneto-electroluminescence study. Applied Physics Letters, 2013, 102, .	3.3	38
46	The charge-trapping and triplet-triplet annihilation processes in organic light-emitting diodes: A duty cycle dependence study on magneto-electroluminescence. Applied Physics Letters, 2013, 102, .	3.3	17
47	Investigation of energy transfer and charge trapping in dye-doped organic light-emitting diodes by magneto-electroluminescence measurement. Applied Physics Letters, 2013, 102, 193304.	3.3	14
48	Standardization should come first. Nature Nanotechnology, 2013, 8, 885-886.	31.5	0
49	Time-resolved spin-dependent processes in magnetic field effects in organic semiconductors. Journal of Applied Physics, 2012, 112, 114512.	2.5	12
50	Direct evidence for the electronâ€“hole pair mechanism by studying the organic magneto-electroluminescence based on charge-transfer states. Organic Electronics, 2012, 13, 1774-1778.	2.6	14
51	Study of the magnetic field effects on carriersâ€™ mobility in polymer based light-emitting diodes. Synthetic Metals, 2012, 162, 257-260.	3.9	5
52	Magnetic field effects on electroluminescence emanated simultaneously from blue fluorescent and red phosphorescent emissive layers of an organic light-emitting diode. Organic Electronics, 2012, 13, 3040-3044.	2.6	15
53	Investigation of the magnetic field effects on electron mobility in tri-(8-hydroxyquinoline)-aluminum based light-emitting devices. Applied Physics Letters, 2011, 99, 033509.	3.3	16