Shou-Cheng Dong

List of Publications by Year
in descending order

29	1,092	393982	580395
papers	citations	19 h-index	25 g-index

29	29	29	1230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal Budget Reduction in Metal Oxide Thin-Film Transistors via Planarization Process. IEEE Electron Device Letters, 2021, 42, 180-183.	2.2	1
2	39.1: Invited Paper: Organic Colorâ€Conversion Materials for Fullâ€Color MicroLED Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 269-269.	0.1	0
3	A costâ€effective fluorination method for enhancing the performance of metal oxide thinâ€film transistors. Journal of the Society for Information Display, 2021, 29, 318-327.	0.8	2
4	8â€1: Distinguished Paper: A Costâ€Effective Fluorination Method for Enhancing the Performance of Metal Oxide Thinâ€Film Transistors Using a Fluorinated Planarization Layer. Digest of Technical Papers SID International Symposium, 2021, 52, 77-80.	0.1	0
5	Pâ€1.2: Allâ€Oxide Thinâ€Film Transistors for Lowâ€Voltageâ€Operation Circuits. Digest of Technical Papers SID International Symposium, 2021, 52, 688-691.	0.1	1
6	61â€2: 2â€inch, 2,000â€ppi Silicon Nitride Mask for Patterning Ultraâ€Highâ€Resolution OLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 909-912.	0.1	6
7	Chemical degradation mechanism of TAPC as hole transport layer in blue phosphorescent OLED. Organic Electronics, 2017, 42, 379-386.	1.4	40
8	Design principles of carbazole/dibenzothiophene derivatives as host material in modern efficient organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 6989-6996.	2.7	24
9	The study on two kinds of spiro systems for improving the performance of host materials in blue phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 9053-9056.	2.7	20
10	Orthogonal Molecular Structure for Better Host Material in Blue Phosphorescence and Larger OLED White Lighting Panel. Advanced Functional Materials, 2015, 25, 645-650.	7.8	140
11	Origin of improved stability in green phosphorescent organic light-emitting diodes based on a dibenzofuran/spirobifluorene hybrid host. Applied Physics A: Materials Science and Processing, 2015, 118, 381-387.	1.1	19
12	Rational Design of Dibenzothiophene-Based Host Materials for PHOLEDs. Journal of Physical Chemistry C, 2014, 118, 2375-2384.	1.5	43
13	Synthesis of new bipolar host materials based on 1,2,4-oxadiazole for blue phosphorescent OLEDs. Dyes and Pigments, 2014, 101, 142-149.	2.0	38
14	Investigating blue phosphorescent iridium cyclometalated dopant with phenyl-imidazole ligands. Organic Electronics, 2014, 15, 3127-3136.	1.4	36
15	Siliconâ€Based Material with Spiroâ€Annulated Fluorene/Triphenylamine as Host and Excitonâ€Blocking Layer for Blue Electrophosphorescent Devices. Chemistry - A European Journal, 2013, 19, 11791-11797.	1.7	31
16	Spiro-annulated triarylamine-based hosts incorporating dibenzothiophene for highly efficient single-emitting layer white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 6575.	2.7	50
17	meta-Linked spirobifluorene/phosphine oxide hybrids as host materials for deep blue phosphorescent organic light-emitting diodes. Organic Electronics, 2013, 14, 1924-1930.	1.4	46
18	Novel dibenzothiophene based host materials incorporating spirobifluorene for high-efficiency white phosphorescent organic light-emitting diodes. Organic Electronics, 2013, 14, 902-908.	1.4	37

#	Article	IF	Citations
19	A simple systematic design of phenylcarbazole derivatives for host materials to high-efficiency phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 3967.	2.7	49
20	Synthesis of novel host material based on cyclized diphenyl ether/phosphine oxide and its application in highly efficient phosphorescent organic light-emitting diodes. Scientia Sinica Chimica, 2013, 43, 465-471.	0.2	0
21	New dibenzofuran/spirobifluorene hybrids as thermally stable host materials for efficient phosphorescent organic light-emitting diodes with low efficiency roll-off. Physical Chemistry Chemical Physics, 2012, 14, 14224.	1.3	37
22	New imidazoleâ€functionalized polyfluorene derivatives: convenient postfunctional syntheses, sensitive probes for metal ions and cyanide, and adjustable output signals with diversified fluorescence color. Journal of Polymer Science Part A, 2011, 49, 3314-3327.	2.5	23
23	The role of introduced isolation groups in PVK-based nonlinear optical polymers: Enlarged nonlinearity, improved processibility, and enhanced thermal stability. Polymer, 2009, 50, 2806-2814.	1.8	22
24	New Carbazole-Based Fluorophores: Synthesis, Characterization, and Aggregation-Induced Emission Enhancement. Journal of Physical Chemistry B, 2009, 113, 434-441.	1.2	168
25	New PVKâ€based nonlinear optical polymers: Enhanced nonlinearity and improved transparency. Journal of Polymer Science Part A, 2008, 46, 2983-2993.	2.5	57
26	Controlling nonlinear optical effects of polyurethanes by adjusting isolation spacers through facile postfunctional polymer reactions. Polymer, 2007, 48, 3650-3657.	1.8	53
27	Novel second-order nonlinear optical main-chain polyurethanes: Adjustable subtle structure, improved thermal stability and enhanced nonlinear optical property. Polymer, 2007, 48, 5520-5529.	1.8	62
28	An Attempt To Modify Nonlinear Optical Effects of Polyurethanes by Adjusting the Structure of the Chromophore Moieties at the Molecular Level Using â€œClickâ€•Chemistry. Macromolecules, 2006, 39, 8544-8546.	2.2	86
29	Organic colorâ€conversion media for fullâ€color microâ€LED displays. Journal of the Society for Information Display, 0, , .	0.8	1