

Shou-Cheng Dong

List of Publications by Year in descending order

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29
papers

1,092
citations

394421

19
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	New Carbazole-Based Fluorophores: Synthesis, Characterization, and Aggregation-Induced Emission Enhancement. <i>Journal of Physical Chemistry B</i> , 2009, 113, 434-441.	2.6	168
2	Orthogonal Molecular Structure for Better Host Material in Blue Phosphorescence and Larger OLED White Lighting Panel. <i>Advanced Functional Materials</i> , 2015, 25, 645-650.	14.9	140
3	An Attempt To Modify Nonlinear Optical Effects of Polyurethanes by Adjusting the Structure of the Chromophore Moieties at the Molecular Level Using "Click" Chemistry. <i>Macromolecules</i> , 2006, 39, 8544-8546.	4.8	86
4	Novel second-order nonlinear optical main-chain polyurethanes: Adjustable subtle structure, improved thermal stability and enhanced nonlinear optical property. <i>Polymer</i> , 2007, 48, 5520-5529.	3.8	62
5	New PVK-based nonlinear optical polymers: Enhanced nonlinearity and improved transparency. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2983-2993.	2.3	57
6	Controlling nonlinear optical effects of polyurethanes by adjusting isolation spacers through facile postfunctional polymer reactions. <i>Polymer</i> , 2007, 48, 3650-3657.	3.8	53
7	Spiro-annulated triarylamine-based hosts incorporating dibenzothiophene for highly efficient single-emitting layer white phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6575.	5.5	50
8	A simple systematic design of phenylcarbazole derivatives for host materials to high-efficiency phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3967.	5.5	49
9	meta-Linked spirobifluorene/phosphine oxide hybrids as host materials for deep blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2013, 14, 1924-1930.	2.6	46
10	Rational Design of Dibenzothiophene-Based Host Materials for PHOLEDs. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2375-2384.	3.1	43
11	Chemical degradation mechanism of TAPC as hole transport layer in blue phosphorescent OLED. <i>Organic Electronics</i> , 2017, 42, 379-386.	2.6	40
12	Synthesis of new bipolar host materials based on 1,2,4-oxadiazole for blue phosphorescent OLEDs. <i>Dyes and Pigments</i> , 2014, 101, 142-149.	3.7	38
13	New dibenzofuran/spirobifluorene hybrids as thermally stable host materials for efficient phosphorescent organic light-emitting diodes with low efficiency roll-off. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14224.	2.8	37
14	Novel dibenzothiophene based host materials incorporating spirobifluorene for high-efficiency white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2013, 14, 902-908.	2.6	37
15	Investigating blue phosphorescent iridium cyclometalated dopant with phenyl-imidazole ligands. <i>Organic Electronics</i> , 2014, 15, 3127-3136.	2.6	36
16	Silicon-Based Material with Spiro-Annulated Fluorene/Triphenylamine as Host and Exciton-Blocking Layer for Blue Electrophosphorescent Devices. <i>Chemistry - A European Journal</i> , 2013, 19, 11791-11797.	3.3	31
17	Design principles of carbazole/dibenzothiophene derivatives as host material in modern efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6989-6996.	5.5	24
18	New imidazole-functionalized polyfluorene derivatives: convenient postfunctional syntheses, sensitive probes for metal ions and cyanide, and adjustable output signals with diversified fluorescence color. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3314-3327.	2.3	23

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19	The role of introduced isolation groups in PVK-based nonlinear optical polymers: Enlarged nonlinearity, improved processibility, and enhanced thermal stability. <i>Polymer</i> , 2009, 50, 2806-2814.	3.8	22
20	The study on two kinds of spiro systems for improving the performance of host materials in blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9053-9056.	5.5	20
21	Origin of improved stability in green phosphorescent organic light-emitting diodes based on a dibenzofuran/spirobifluorene hybrid host. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 381-387.	2.3	19
22	61â€²2: 2â€²inch, 2,000â€²ppi Silicon Nitride Mask for Patterning Ultraâ€²Highâ€²Resolution OLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 909-912.	0.3	6
23	A costâ€²effective fluorination method for enhancing the performance of metal oxide thinâ€²film transistors. <i>Journal of the Society for Information Display</i> , 2021, 29, 318-327.	2.1	2
24	Thermal Budget Reduction in Metal Oxide Thin-Film Transistors via Planarization Process. <i>IEEE Electron Device Letters</i> , 2021, 42, 180-183.	3.9	1
25	Organic colorâ€²conversion media for fullâ€²color microâ€²LED displays. <i>Journal of the Society for Information Display</i> , 0, , .	2.1	1
26	Pâ€²1.2: Allâ€²Oxide Thinâ€²Film Transistors for Lowâ€²Voltageâ€²Operation Circuits. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 688-691.	0.3	1
27	39.1: Invited Paper: Organic Colorâ€²Conversion Materials for Fullâ€²Color MicroLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 269-269.	0.3	0
28	8â€²1: <i>Distinguished Paper:</i> A Costâ€²Effective Fluorination Method for Enhancing the Performance of Metal Oxide Thinâ€²Film Transistors Using a Fluorinated Planarization Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 77-80.	0.3	0
29	Synthesis of novel host material based on cyclized diphenyl ether/phosphine oxide and its application in highly efficient phosphorescent organic light-emitting diodes. <i>Scientia Sinica Chimica</i> , 2013, 43, 465-471.	0.4	0