Zisheng Su

List of Publications by Year
in descending order

96 papers	2,444 citations	201674 27 h-index	233421 45 g-index
96 all docs	96 docs citations	96 times ranked	3530 citing authors

#	Article	IF	Citations
1	Efficient and stable planar heterojunction perovskite solar cells with an MoO₃/PEDOT:PSS hole transporting layer. Nanoscale, 2015, 7, 9427-9432.	5.6	211
2	Highly Controllable and Efficient Synthesis of Mixed-Halide CsPbX₃ (X = Cl, Br, I) Perovskite QDs toward the Tunability of Entire Visible Light. ACS Applied Materials & Interfaces, 2017, 9, 33020-33028.	8.0	132
3	Efficient Triplet Application in Exciplex Delayed-Fluorescence OLEDs Using a Reverse Intersystem Crossing Mechanism Based on a Î”E_{Sâ€“T} of around Zero. ACS Applied Materials & Interfaces, 2014, 6, 11907-11914.	8.0	125
4	Highly efficient and color-tuning electrophosphorescent devices based on CuI complex. Applied Physics Letters, 2006, 89, 103511.	3.3	124
5	Highly efficient red OLEDs using DCJTB as the dopant and delayed fluorescent exciplex as the host. Scientific Reports, 2015, 5, 10697.	3.3	87
6	High-Performance Organic Small-Molecule Panchromatic Photodetectors. ACS Applied Materials & Interfaces, 2015, 7, 2529-2534.	8.0	71
7	High spectrum selectivity organic/inorganic hybrid visible-blind ultraviolet photodetector based on ZnO nanorods. Organic Electronics, 2010, 11, 1318-1322.	2.6	68
8	Simple structured hybrid WOLEDs based on incomplete energy transfer mechanism: from blue exciplex to orange dopant. Scientific Reports, 2015, 5, 10234.	3.3	62
9	Surface Plasmon Enhanced Organic Solar Cells with a MoO₃ Buffer Layer. ACS Applied Materials & Interfaces, 2013, 5, 12847-12853.	8.0	58
10	Highly efficient tandem full exciplex orange and warm white OLEDs based on thermally activated delayed fluorescence mechanism. Organic Electronics, 2015, 17, 15-21.	2.6	57
11	High response organic ultraviolet photodetector based on blend of 4,4â€²,4â€³-tri-(2-methylphenyl) Tj ETQq1 1 0.784314 rgBT /Over 103309.	3.3	54
12	Highly efficient and color stable single-emitting-layer fluorescent WOLEDs with delayed fluorescent host. Organic Electronics, 2015, 23, 208-212.	2.6	53
13	Highly efficient photovoltaic diode based organic ultraviolet photodetector and the strong electroluminescence resulting from pure exciplex emission. Organic Electronics, 2009, 10, 352-356.	2.6	46
14	Efficient organic near-infrared photodetectors based on lead phthalocyanine/C60 heterojunction. Organic Electronics, 2014, 15, 2367-2371.	2.6	45
15	Hydrothermal Syntheses of Some Derivatives of Tetraazatriphenylene. Synthetic Communications, 2006, 36, 2519-2524.	2.1	43
16	Recyclable Magnetic Mesoporous Nanocomposite with Improved Sensing Performance toward Nitrite. ACS Applied Materials & Interfaces, 2016, 8, 12344-12351.	8.0	43
17	High specific surface area urchin-like hierarchical ZnO-TiO 2 architectures: Hydrothermal synthesis and photocatalytic properties. Materials Letters, 2016, 175, 52-55.	2.6	39
18	Blue exciplex emission and its role as a host of phosphorescent emitter. Organic Electronics, 2015, 24, 1-6.	2.6	38

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19	Hybrid polymer/ZnO solar cells sensitized by PbS quantum dots. Nanoscale Research Letters, 2012, 7, 106.	5.7	36
20	Double wavelength ultraviolet light sensitive organic photodetector. Applied Physics Letters, 2009, 95, .	3.3	35
21	White-electrophosphorescent devices based on copper complexes using 2-(4-biphenylyl)-5-(4-tert-butyl-phenyl)-1,3,4-oxadiazole as chromaticity-tuning layer. Applied Physics Letters, 2006, 88, 213508.	3.3	33
22	Very high-efficiency organic light-emitting diodes based on cyclometallated rhenium (I) complex. Applied Physics Letters, 2008, 92, 083302.	3.3	33
23	Morphology control towards bright and stable inorganic halide perovskite light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 1573-1578.	5.5	33
24	Highly efficient green organic light-emitting diodes from single exciplex emission. Applied Physics Letters, 2008, 92, 053304.	3.3	32
25	Ultraviolet-ozone-treated PEDOT:PSS as anode buffer layer for organic solar cells. Nanoscale Research Letters, 2012, 7, 465.	5.7	32
26	Enhanced Efficiency of Polymer/ZnO Nanorods Hybrid Solar Cell Sensitized by CdS Quantum Dots. Journal of the Electrochemical Society, 2011, 158, H804.	2.9	31
27	Improved performance of perovskite photodetectors based on a solution-processed CH3NH3PbI3/SnO2 heterojunction. Organic Electronics, 2018, 57, 206-210.	2.6	31
28	Organic Upconversion Display with an over 100% Photon-to-photon Upconversion Efficiency and a Simple Pixelless Device Structure. Journal of Physical Chemistry Letters, 2018, 9, 6818-6824.	4.6	27
29	Highly efficient organic tandem solar cell based on SubPc:C 70 bulk heterojunction. Organic Electronics, 2014, 15, 3756-3760.	2.6	26
30	Efficient exciplex emission from intramolecular charge transfer material. Organic Electronics, 2015, 25, 6-11.	2.6	26
31	Improved performance of perovskite solar cells with a TiO2/MoO3 core/shell nanoparticles doped PEDOT:PSS hole-transporter. Organic Electronics, 2016, 33, 221-226.	2.6	26
32	The reduced triplet-triplet annihilation of electrophosphorescent device doped by an iridium complex with active hydrogen. Applied Physics Letters, 2008, 93, 153303.	3.3	25
33	Interface Engineering of Organic Schottky Barrier Solar Cells and Its Application in Enhancing Performances of Planar Heterojunction Solar Cells. Scientific Reports, 2016, 6, 26262.	3.3	25
34	Very broad white-emission spectrum based organic light-emitting diodes by four exciplex emission bands. Optics Letters, 2009, 34, 2946.	3.3	24
35	Improved performance of CH3NH3PbI3 based photodetector with a MoO3 interface layer. Organic Electronics, 2017, 49, 355-359.	2.6	21
36	Efficient electroluminescence based on a novel binuclear rhenium complex. Optical Materials, 2009, 31, 1173-1176.	3.6	20

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37	The influence of donor material on achieving high photovoltaic response for organic bulk heterojunction cells with small ratio donor component. Organic Electronics, 2013, 14, 1130-1135.	2.6	20
38	Highly efficient organic tandem solar cell with a SubPc interlayer based on TAPC:C70 bulk heterojunction. Scientific Reports, 2016, 6, 23916.	3.3	20
39	Cooperative plasmon enhanced organic solar cells with thermal coevaporated Au and Ag nanoparticles. Organic Electronics, 2017, 48, 336-341.	2.6	20
40	Thermally activated delayed-fluorescence organic light-emitting diodes based on exciplex emitter with high efficiency and low roll-off. Organic Electronics, 2016, 38, 69-73.	2.6	19
41	Improvement of both efficiency and working lifetime in organic photovoltaic devices by using bathophenanthroline/tin(IV) phthalocyanine dichloride as bilayer exciton blocking layers. Applied Physics Letters, 2012, 100, 243902.	3.3	18
42	Rational design and characterization of novel phosphorescent rhenium(<scp>i</scp>) complexes for extremely high-efficiency organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 7629-7636.	5.5	18
43	Water-assisted formation of highly conductive silver nanowire electrode for all solution-processed semi-transparent perovskite and organic solar cells. Journal of Materials Science, 2020, 55, 14893-14906.	3.7	18
44	High efficiency electrophosphorescence device using a thin cleaving layer in an Ir-complex doped emitter layer. Applied Physics Letters, 2008, 92, 253309.	3.3	17
45	Hydrophobic hole-transporting layer induced porous PbI2 film for stable and efficient perovskite solar cells in 50% humidity. Solar Energy Materials and Solar Cells, 2016, 157, 989-995.	6.2	17
46	High performance photomultiplication perovskite photodetectors with PC60BM and NPB as the interlayers. Organic Electronics, 2017, 51, 200-206.	2.6	17
47	Efficient white organic light-emitting diodes comprising an ultrathin iridium complex sub-monolayer. Journal Physics D: Applied Physics, 2007, 40, 2783-2786.	2.8	16
48	Enhancement of photovoltaic efficiency of phosphor doped organic solar cell by energy and electron transfer from the phosphor to C60 acceptor. Applied Physics Letters, 2011, 99, .	3.3	16
49	Improvement in power conversion efficiency and long-term lifetime of organic photovoltaic cells by using bathophenanthroline/molybdenum oxide as compound cathode buffer layer. Solar Energy Materials and Solar Cells, 2013, 117, 189-193.	6.2	16
50	Improved photovoltaic characteristics of organic cells with heterointerface layer as a hole-extraction layer inserted between ITO anode and donor layer. Organic Electronics, 2013, 14, 1805-1810.	2.6	16
51	Intramolecular energy transfer between the triplet of ancillary ligand and the metal to ligand charge transfer state existed in heterocyclometalated iridium (III) complexes. Applied Physics Letters, 2009, 94, 163303.	3.3	15
52	Hole transporting material-free and annealing-free thermal evaporated planar perovskite solar cells with an ultra-thin CH3NH3PbI3â^'Cl layer. Organic Electronics, 2015, 26, 104-108.	2.6	15
53	New rhenium complexes containing 4,5-diazafluorene ligand for high-efficiency green electrophosphorescence. Synthetic Metals, 2009, 159, 1340-1344.	3.9	14
54	Nonvolatile organic write-once-read-many-times memory devices based on hexadecafluoro-copper-phthalocyanine. Applied Physics Letters, 2012, 100, 213303.	3.3	14

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55	Reduced efficiency roll-off in electrophosphorescent devices by a short-living rhenium emitter with well-matched energy levels. Applied Physics Letters, 2010, 97, 263303.	3.3	13
56	Interfacial dipole in organic pâ€“n junction to realize write-onceâ€“read-many-times memory. Organic Electronics, 2013, 14, 1163-1169.	2.6	12
57	All thermal-evaporated surface plasmon enhanced organic solar cells by Au nanoparticles. Organic Electronics, 2016, 39, 71-76.	2.6	12
58	Effects of exciplex on the electroluminescent and photovoltaic properties of organic diodes based on terbium complex. Solid-State Electronics, 2008, 52, 31-36.	1.4	11
59	High efficient white organic light-emitting diodes based on triplet multiple quantum well structure. Applied Physics Letters, 2012, 101, 053310.	3.3	11
60	3D TiO₂/ZnO composite nanospheres as an excellent electron transport anode for efficient dye-sensitized solar cells. RSC Advances, 2016, 6, 51320-51326.	3.6	11
61	Enhanced electrophosphorescence of copper complex based devices by codoping an iridium complex. Applied Physics Letters, 2007, 90, 143505.	3.3	10
62	Sensitized infrared electrophosphorescence based on divalent copper complex by an iridium(III) complex. Organic Electronics, 2009, 10, 1408-1411.	2.6	10
63	The working mechanism of organic photovoltaic cell by using copper phthalocyanine as exciton blocking layer. Organic Electronics, 2012, 13, 2156-2159.	2.6	10
64	A novel fluorinated europium ternary complex for highly efficient pure red electroluminescence. Materials Chemistry and Physics, 2010, 123, 289-292.	4.0	9
65	Improved performances of red organic light-emitting devices by co-doping a rubrene derivative and DCJTB into tris-(8-hydroxyquinoline) aluminum host. Journal of Luminescence, 2010, 130, 1676-1679.	3.1	9
66	A very high efficiency electrophosphorescent device doped with short triplet lifetime phosphor using multi-recombination zones. Journal Physics D: Applied Physics, 2010, 43, 105101.	2.8	9
67	Trap-assisted large gain in Cu2O/C60 hybrid ultraviolet/visible photodetectors. Applied Physics Letters, 2016, 108, .	3.3	9
68	Improved performance of hole-transporting layer-free perovskite solar cells by using graphene oxide sheets as the nucleation centers. RSC Advances, 2017, 7, 45320-45326.	3.6	9
69	Efficient white organic light-emitting diodes based on iridium complex sensitized copper complex. Journal Physics D: Applied Physics, 2008, 41, 085103.	2.8	8
70	Highly efficient organic light-emitting devices by introducing traps in the hole-injection layer. RSC Advances, 2013, 3, 14616.	3.6	8
71	Aluminum-doped zinc oxide as anode for organic near-infrared photodetectors. Journal Physics D: Applied Physics, 2014, 47, 335104.	2.8	8
72	Electronic Level Alignment at an Indium Tin Oxide/PbI₂ Interface and Its Applications for Organic Electronic Devices. ACS Applied Materials & Interfaces, 2018, 10, 8909-8916.	8.0	8

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73	Tunable red emission by incorporation of a rubrene derivative in p-type and n-type hosts in organic light emitting devices. Thin Solid Films, 2009, 517, 4629-4632.	1.8	7
74	Remarkable increase in the efficiency of N,Nâ€²-dimethylquinacridone dye heavily doped organic light emitting diodes under high current density. Applied Physics Letters, 2010, 96, .	3.3	7
75	Hexadecafluorophthalocyaninatocopper as an electron conductor for high-efficiency fullerene-free planar perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 510-516.	6.2	7
76	Up-conversion luminescence of crystalline rubrene without any sensitizers. Organic Electronics, 2010, 11, 946-950.	2.6	6
77	High efficient organic ultraviolet photovoltaic devices based on gallium complex. Solid-State Electronics, 2010, 54, 605-608.	1.4	6
78	Triplet to singlet transition induced low efficiency roll-off in green phosphorescent organic light-emitting diodes. Thin Solid Films, 2011, 519, 2540-2543.	1.8	6
79	The influence of type-I and type-II triplet multiple quantum well structure on white organic light-emitting diodes. Nanoscale Research Letters, 2013, 8, 529.	5.7	6
80	Enhanced performances in inverted small molecule solar cells by Ag nanoparticles. Optics Express, 2014, 22, A1669.	3.4	6
81	Scaling behavior and morphology evolution of CH₃NH₃PbI₃perovskite thin films grown by thermal evaporation. Materials Research Express, 2017, 4, 075510.	1.6	6
82	Interfacial exciplex electroluminescence between diamine derivatives with starburst molecular structure and tris(acetylacetonato)-(mono-phenothroline) thulium. Journal of Alloys and Compounds, 2009, 470, 448-451.	5.5	5
83	The improvement in organic photovoltaic response by inserting an interlayer between MoO3 and mixed layer of C60:5 wt% TAPC. Organic Electronics, 2015, 23, 5-10.	2.6	5
84	Improved efficiency for green and red emitting electroluminescent devices using the same cohost composed of 9,10-di(2-naphthyl) anthracene and tris-(8-hydroxyquinolinato) aluminum. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 158-161.	2.7	4
85	Panchromatic organic photodetectors with SubPc as a non-fullerene acceptor. Materials Research Express, 2019, 6, 105103.	1.6	4
86	Improved performance of perovskite photodetectors with a hybrid planar-mixed heterojunction. Materials Research Express, 2020, 7, 066201.	1.6	4
87	Photomultiplication type nearâ€infrared organic photodetectors with a mixed active layer. Microwave and Optical Technology Letters, 2021, 63, 714-718.	1.4	4
88	Synthesis, photophysical and electrophosphorescent properties of a novel fluorinated rhenium(I) complex. Synthetic Metals, 2010, 160, 390-393.	3.9	3
89	Exciplex emission and Auger process assistant green organic electrophosphorescence devices with very low doped level of iridium complex. Journal Physics D: Applied Physics, 2008, 41, 245102.	2.8	1
90	Enhanced efficiency in mixed host red electrophosphorescence devices. Thin Solid Films, 2011, 519, 5634-5637.	1.8	1

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91	Effects of the indium tin oxide/perovskite interface on the photocurrent amplification of perovskite photodetectors. Synthetic Metals, 2021, 271, 116636.	3.9	1
92	Improved efficiency and colour purity of blue electrophosphorescent devices by codoping a fluorescent emitter. Journal Physics D: Applied Physics, 2008, 41, 125108.	2.8	0
93	Green Phosphorescent Organic Light-Emitting Diode Based on Interlayer Emitting Layer Blend of Hole- and Electron-Transporting Materials as a Co-Host of the Three Emitting Layers. ECS Journal of Solid State Science and Technology, 2014, 3, Q212-Q214.	1.8	0
94	Low color temperature, high color rendering index candlelight style white organic light-emitting devices with fac-tris (mesityl-2-phenyl-1H-imidazole) iridium (III) blue emitting layer. Materials Research Express, 0, , .	1.6	0
95	Surface Dynamics Transition of Vacuum Vapor Deposited CH3NH3PbI3 Perovskite Thin Films. Advances in Condensed Matter Physics, 2018, 2018, 1-7.	1.1	0
96	Low color temperature, high color rendering index candlelight style white organic light-emitting devices with a fac-tris (mesityl-2-phenyl-1H-imidazole) iridium (III) blue emitting layer. Materials Research Express, 2019, 6, 016205.	1.6	0