

# Shih-Hung Liu

## List of Publications by Citations

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138  
papers

3,681  
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34  
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147  
ext. papers

4,399  
ext. citations

8.5  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
138	Near-infrared organic light-emitting diodes with very high external quantum efficiency and radiance. <i>Nature Photonics</i> , <b>2017</b> , 11, 63-68	33.9	346
137	Bis-Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Light-Emitting Diodes with External Quantum Efficiency Exceeding 31%. <i>Advanced Materials</i> , <b>2016</b> , 28, 2795-800	24	199
136	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3017-21	16.4	142
135	Balance the Carrier Mobility To Achieve High Performance Exciplex OLED Using a Triazine-Based Acceptor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4811-8	9.5	135
134	Donor-Acceptor dyes with fluorine substituted phenylene spacer for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1937-1945		120
133	High-efficiency blue organic light-emitting diodes using a 3,5-di(9H-carbazol-9-yl)tetraphenylsilane host via a solution-process. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 8411		109
132	Overcoming the energy gap law in near-infrared OLEDs by exciton-vibration decoupling. <i>Nature Photonics</i> , <b>2020</b> , 14, 570-577	33.9	92
131	Probe exciplex structure of highly efficient thermally activated delayed fluorescence organic light emitting diodes. <i>Nature Communications</i> , <b>2018</b> , 9, 3111	17.4	83
130	Theoretical Study of N749 Dyes Anchoring on the (TiO <sub>2</sub> ) <sub>28</sub> Surface in DSSCs and Their Electronic Absorption Properties. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 16338-16345	3.8	70
129	Insight into the mechanism and outcoupling enhancement of excimer-associated white light generation. <i>Chemical Science</i> , <b>2016</b> , 7, 3556-3563	9.4	70
128	Pt(II) metal complexes tailored with a newly designed spiro-arranged tetradentate ligand; harnessing of charge-transfer phosphorescence and fabrication of sky blue and white OLEDs. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4029-38	5.1	66
127	Achieving high-efficiency non-doped blue organic light-emitting diodes: charge-balance control of bipolar blue fluorescent materials with reduced hole-mobility. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5561		65
126	Device characteristics and material developments of indoor photovoltaic devices. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 139, 100517	30.9	62
125	A silole copolymer containing a ladder-type heptacyclic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 552-557	35.4	60
124	Harnessing the open-circuit voltage via a new series of Ru(II) sensitizers bearing (iso-)quinolinyl pyrazolate ancillaries. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 859	35.4	60
123	Functional Pyrimidine-Based Thermally Activated Delay Fluorescence Emitters: Photophysics, Mechanochromism, and Fabrication of Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2858-2866	4.8	58
122	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1452-1462 <sup>7.1</sup>		55

121	Organic polymeric and small molecular electron acceptors for organic solar cells. <i>Materials Science and Engineering Reports</i> , <b>2018</b> , 124, 1-57	30.9	55
120	Highly efficient red electrophosphorescent device incorporating a bipolar triphenylamine/bisphenylsulfonyl-substituted fluorene hybrid as the host. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8002		55
119	Bis-Tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blue-Emitting OLEDs. <i>Advanced Science</i> , <b>2018</b> , 5, 1800846	13.6	50
118	Ru(II) sensitizers with a tridentate heterocyclic cyclometalate for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7549	35.4	50
117	Exciplex-Forming Cohost for High Efficiency and High Stability Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2151-2157	9.5	49
116	Harnessing Fluorescence versus Phosphorescence Branching Ratio in (Phenyl) <sub>n</sub> -Bridged (n = 0-3) Bimetallic Au(I) Complexes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 9623-9632	3.8	49
115	Heteroleptic Ir(III) phosphors with bis-tridentate chelating architecture for high efficiency OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3460-3471	7.1	48
114	Panchromatic Ru(II) sensitizers bearing single thiocyanate for high efficiency dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17618-17627	13	47
113	Transparent organic upconversion devices for near-infrared sensing. <i>Advanced Materials</i> , <b>2015</b> , 27, 1217-224	22	45
112	Versatile Exciplex-Forming Co-Host for Improving Efficiency and Lifetime of Fluorescent and Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24090-24098	9.5	43
111	First N-Borylated Emitters Displaying Highly Efficient Thermally Activated Delayed Fluorescence and High-Performance OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27090-27101	9.5	40
110	Room temperature blue phosphorescence: a combined experimental and theoretical study on the bis-tridentate Ir(III) metal complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 15364-15373	4.3	39
109	Functional Pyrimidinyl Pyrazolate Pt(II) Complexes: Role of Nitrogen Atom in Tuning the Solid-State Stacking and Photophysics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900923	15.6	38
108	Role of Antisite Disorder, Rare-Earth Size, and Superexchange Angle on Band Gap, Curie Temperature, and Magnetization of R <sub>2</sub> NiMnO <sub>6</sub> Double Perovskites. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 141-153	4	37
107	New D-A-A-Configured Small-Molecule Donors for High-Efficiency Vacuum-Processed Organic Photovoltaics under Ambient Light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8337-8349	9.5	36
106	Open-circuit voltage and efficiency improvement of subphthalocyanine-based organic photovoltaic device through deposition rate control. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 103, 69-75	6.4	36
105	Unprecedented Homoleptic Bis-Tridentate Iridium(III) Phosphors: Facile, Scaled-Up Production, and Superior Chemical Stability. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702856	15.6	36
104	Dye-Sensitized Solar Cells Based on Functionally Separated D-π-A Dyes with 2-Cyanopyridine as an Electron-Accepting and Anchoring Group. <i>Asian Journal of Organic Chemistry</i> , <b>2014</b> , 3, 153-160	3	34

103	4-Hydroxy-8-methyl-1,5-naphthyridine aluminium chelate: a morphologically stable and efficient exciton-blocking material for organic photovoltaics with prolonged lifetime. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7800		34
102	Electrical and optical simulation of organic light-emitting devices with fluorescent dopant in the emitting layer. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 114501	2.5	34
101	Transparent and Flexible Inorganic Perovskite Photonic Artificial Synapses with Dual-Mode Operation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008259	15.6	34
100	Isomeric spiro-[acridine-9,9?-fluorene]-2,6-dipyridylpyrimidine based TADF emitters: insights into photophysical behaviors and OLED performances. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10088-10100	7.1	33
99	Os(II) metal phosphors bearing tridentate 2,6-di(pyrazol-3-yl)pyridine chelate: synthetic design, characterization and application in OLED fabrication. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6269	7.1	32
98	Chloroboron subphthalocyanine/C60 planar heterojunction organic solar cell with N,N-dicarbazolyl-3,5-benzene blocking layer. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 122, 264-270	6.4	30
97	Revealing the Cooperative Relationship between Spin, Energy, and Polarization Parameters toward Developing High-Efficiency Exciplex Light-Emitting Diodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904114	24	29
96	High-Efficiency Red and Near-Infrared Organic Light-Emitting Diodes Enabled by Pure Organic Fluorescent Emitters and an Exciplex-Forming Cohost. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23417-23427	9.5	29
95	ITO-free, efficient, and inverted phosphorescent organic light-emitting diodes using a WO <sub>3</sub> /Ag/WO <sub>3</sub> multilayer electrode. <i>Organic Electronics</i> , <b>2016</b> , 31, 240-246	3.5	28
94	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3069-3073	3.6	26
93	Thiocyanate-Free Ru(II) Sensitizers with a 4,4'-Dicarboxyvinyl-2,2'-bipyridine Anchor for Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2285-2294	15.6	26
92	Ru(II) sensitizers bearing dianionic diazolate ancillaries: ligand synergy for high performance dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7681	13	26
91	Luminescent Iridium Complexes with Bridging Pyrazolates: Characterization and Fabrication of OLEDs Using Vacuum Thermal Deposition. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800083	8.1	25
90	Sky Blue-Emitting Iridium(III) Complexes Bearing Nonplanar Tetradentate Chromophore and Bidentate Ancillary. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10054-10060	5.1	24
89	Highly Twisted Dianchoring D-πA Sensitizers for Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27832-27842	9.5	23
88	Flexible quantum dot light-emitting devices for targeted photomedical applications. <i>Journal of the Society for Information Display</i> , <b>2018</b> , 26, 296-303	2.1	22
87	Solution processed Li <sub>5</sub> AlO <sub>4</sub> dielectric for low voltage transistor fabrication and its application in metal oxide/quantum dot heterojunction phototransistors. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 790-798	7.1	21
86	Structural tuning of ancillary chelate in tri-carboxyterpyridine Ru(II) sensitizers for dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5418-5426	13	20

85	Roles of Ancillary Chelates and Overall Charges of Bis-tridentate Ir(III) Phosphors for OLED Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1084-1093	9.5	20
84	Cathodic-controlled and near-infrared organic upconverter for local blood vessels mapping. <i>Scientific Reports</i> , <b>2016</b> , 6, 32324	4.9	19
83	Near-Infrared Emission Induced by Shortened Pt-Pt Contact: Diplatinum(II) Complexes with Pyridyl Pyrimidinato Cyclometalates. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13892-13901	5.1	18
82	A Comparative Study via Photophysical and Electrical Characterizations on Interfacial and Bulk Exciplex-Forming Systems for Efficient Organic Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1011-1019	4	18
81	Efficient Hybrid White Organic Light-Emitting Devices with a Reduced Efficiency Roll-off Based on a Blue Fluorescent Emitter of Which Charge Carriers Are Ambipolar and Electric-Field Independent. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 2428-2432	3.8	18
80	Vacuum-deposited MoO <sub>3</sub> /Ag/WO <sub>3</sub> multilayered electrode for highly efficient transparent and inverted organic light-emitting diodes. <i>Organic Electronics</i> , <b>2018</b> , 59, 266-271	3.5	18
79	Ultra-Low Voltage Metal Oxide Thin Film Transistor by Low-Temperature Annealed Solution Processed LiAlO <sub>2</sub> Gate Dielectric. <i>Electronic Materials Letters</i> , <b>2020</b> , 16, 22-34	2.9	17
78	Highly efficient ITO-free organic light-emitting diodes employing a roughened ultra-thin silver electrode. <i>Organic Electronics</i> , <b>2017</b> , 42, 52-58	3.5	16
77	The effect of charge transfer state on the open-circuit voltage of small-molecular organic photovoltaic devices: A comparison between the planar and bulk heterojunctions using electroluminescence characterization. <i>Organic Electronics</i> , <b>2015</b> , 16, 1-8	3.5	16
76	Reduction of dark current density in organic ultraviolet photodetector by utilizing an electron blocking layer of TAPC doped with MoO <sub>3</sub> . <i>Organic Electronics</i> , <b>2019</b> , 65, 150-155	3.5	16
75	Iridium(III) Complexes Bearing Tridentate Chromophoric Chelate: Phosphorescence Fine-Tuned by Phosphine and Hydride Ancillary. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8287-8298	5.1	16
74	Carbazole/Benzimidazole-Based Bipolar Molecules as the Hosts for Phosphorescent and Thermally Activated Delayed Fluorescence Emitters for Efficient OLEDs. <i>ACS Omega</i> , <b>2020</b> , 5, 10553-10561	3.9	15
73	Versatile Pt(II) Pyrazolate Complexes: Emission Tuning via Interplay of Chelate Designs and Stacking Assemblies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 16679-16690	9.5	15
72	Comprehensive study of medium-bandgap conjugated polymer merging a fluorinated quinoxaline with branched side chains for highly efficient and air-stable polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20203-20212	13	15
71	In Situ Measurement of Energy Level Shifts and Recombination Rates in Subphthalocyanine/C60 Bilayer Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22858-22864	3.8	15
70	Vacuum-Processed Small Molecule Organic Photodetectors with Low Dark Current Density and Strong Response to Near-Infrared Wavelength. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000519	8.1	14
69	A micro-cavity forming electrode with high thermal stability for semi-transparent colorful organic photovoltaics exceeding 13% power conversion efficiency. <i>Nano Energy</i> , <b>2021</b> , 80, 105565	17.1	14
68	Blue-emitting bis-tridentate Ir(III) phosphors: OLED performances vs. substituent effects. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10486-10496	7.1	14

67	Enhancing extracted electroluminescence from light-emitting electrochemical cells by employing high-refractive-index substrates. <i>Organic Electronics</i> , <b>2017</b> , 51, 149-155	3.5	13
66	Combinational Approach To Realize Highly Efficient Light-Emitting Electrochemical Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 14254-14264	9.5	13
65	Inducing the trap-site in an emitting-layer for an organic upconversion device exhibiting high current-gain ratio and low turn-on voltage. <i>Organic Electronics</i> , <b>2016</b> , 30, 275-280	3.5	13
64	Improvement of energy storage properties with the reduction of depolarization temperature in lead-free (1-x)Na0.5Bi0.5TiO3-xAgTaO3 ceramics. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 054101	2.5	12
63	Single-Layer Blue Electrophosphorescent Organic Light-Emitting Diodes Based on Small-Molecule Mixed Hosts: Comparison between the Solution and Vacuum Fabrication Processes. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 012101	1.4	12
62	Influence of Singlet and Charge-Transfer Excitons on the Open-Circuit Voltage of Rubrene/Fullerene Organic Photovoltaic Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28757-28762	9.5	12
61	Perovskite Photosensors Integrated with Silver Resonant-Cavity Color Filters Display Color Perception Beyond That of the Human Eye. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002503	15.6	11
60	Highly efficient exciplex organic light-emitting devices employing a sputtered indium-tin oxide electrode with nano-pinhole morphology. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12050-12056	7.1	10
59	Effect of ionic size compensation by Ag incorporation in homogeneous Fe-substituted ZnO: studies on structural, mechanical, optical, and magnetic properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 24355-24369	3.7	10
58	Decoupling the optical and electrical properties of subphthalocyanine/C70 bi-layer organic photovoltaic devices: improved photocurrent while maintaining a high open-circuit voltage and fill factor. <i>RSC Advances</i> , <b>2015</b> , 5, 5617-5626	3.7	9
57	Highly Efficient Dye-Sensitized Solar Cells Based on Panchromatic Ruthenium Sensitizers with Quinolinylbipyridine Anchors. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 182-187	3.6	9
56	The synthesis, structure, and properties of 5,6,11,12-tetraaryllindeno[1,2-b]fluorenes and their applications as donors for organic photovoltaic devices. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 675-681	5.2	8
55	Influence of Cation Order and Valence States on Magnetic Ordering in La2Ni1-xMn1+xO6. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1900019	1.3	8
54	A new anodic buffer layer material for non-mixed planar heterojunction chloroboron subphthalocyanine organic photovoltaic achieving 96% internal quantum efficiency. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 137, 138-145	6.4	8
53	Downscaling the Sample Thickness to Sub-Micrometers by Employing Organic Photovoltaic Materials as a Charge-Generation Layer in the Time-of-Flight Measurement. <i>Scientific Reports</i> , <b>2015</b> , 5, 10384	4.9	8
52	Improvement in the open-circuit voltage of an organic photovoltaic device through selection of a suitable and low-lying highest occupied molecular orbital for the electron donor layer. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1442-1448	2.5	8
51	Unveiling the underlying mechanism of record-high efficiency organic near-infrared photodetector harnessing a single-component photoactive layer. <i>Materials Horizons</i> , <b>2020</b> , 7, 1171-1179	14.4	8
50	Solution-processed organic micro crystal transistor based on tetraceno[2,3-b]thiophene from a monoketone precursor. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11317		7

49	In situ vacuum measurement of the thickness dependence of electron mobility in naphthalenetetracarboxylic diimide-based field-effect transistors. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 023306	3.4	7
48	Role of Li <sup>+</sup> and Fe <sup>3+</sup> in modified ZnO: Structural, vibrational, opto-electronic, mechanical and magnetic properties. <i>Ceramics International</i> , <b>2019</b> , 45, 7232-7243	5.1	7
47	Highly efficient blue and white light-emitting electrochemical cells employing substrates containing embedded diffusive layers. <i>Organic Electronics</i> , <b>2020</b> , 77, 105515	3.5	7
46	Vacuum-Deposited Transparent Organic Photovoltaics for Efficiently Harvesting Selective Ultraviolet and Near-Infrared Solar Energy. <i>Solar Rrl</i> , <b>2021</b> , 5, 2170032	7.1	7
45	Microwave-Polyol Synthesis of Sub-10-nm PbS Nanocrystals for Metal Oxide/Nanocrystal Heterojunction Photodetectors. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 6063-6072	5.6	7
44	An alternative composite electrode for efficient organic light-emitting diodes. <i>Organic Electronics</i> , <b>2020</b> , 85, 105844	3.5	6
43	Ultra-thin and graded sliver electrodes for use in transparent pentacene field-effect transistors. <i>Organic Electronics</i> , <b>2014</b> , 15, 1990-1997	3.5	6
42	The effect of ZnO preparation on the performance of inverted polymer solar cells under one sun and indoor light. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1196-1204	7.1	6
41	Transparent organic upconversion device targeting high- grade infrared visual image. <i>Nano Energy</i> , <b>2021</b> , 86, 106043	17.1	6
40	Improving performance and lifetime of small-molecule organic photovoltaic devices by using bathocuproine-fullerene cathodic layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9262-73	9.5	5
39	Tandem Organic Light-Emitting Diode and Organic Photovoltaic Device Inside Polymer Dispersed Liquid Crystal Cell. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 787-793		5
38	Low resistance and high work-function WO <sub>3</sub> /Ag/MoO <sub>2</sub> multilayer as transparent anode for bright organic light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 03CC01	1.4	4
37	A new model for optimization of organic light-emitting device by concurrent incorporation of electrical and optical simulations. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084507	2.5	4
36	Stamped Self-Assembled Monolayers on Electrode for Connecting Organic Light-Emitting Diode and Organic Photovoltaic Device. <i>Journal of Display Technology</i> , <b>2011</b> , 7, 229-234		4
35	Multicomponent Zn(1-x)Fe0.8xNa0.2xO semiconductors: Effect of dopant concentration and ionic radius on structural, opto-electronics, magnetic and sensing properties. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 98, 121-130	4.3	3
34	New D-A-AQ Configured Small Molecule Donors Employing Conjugation to Red-shift the Absorption for Photovoltaics. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2520-2531	4.5	3
33	Platinum(II)-Mediated Double Coupling of 2,3-Diphenylmaleimidine with Nitrile Functionalities To Give Annulated Pentaazanonetetraenate (PANT) Systems. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 1480-1487	2.3	3
32	Efficiency improvement of organic bifunctional devices by applying omnidirectional antireflection nanopillars. <i>RSC Advances</i> , <b>2014</b> , 4, 9588	3.7	3

31	Efficient Deep Blue Organic Light-Emitting Diodes Based on Wide Band Gap 4-Hydroxy-8-Methyl-1.5-Naphthyridine Aluminum Chelate as Emitting and Electron Transporting Layer. <i>Journal of Display Technology</i> , <b>2011</b> , 7, 454-458		3
30	P-131: Fully Integration of Transflective Hybrid Device Consisting of PSCT and In-cell OLED. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 1602-1605	0.5	3
29	Vacuum-Deposited Transparent Organic Photovoltaics for Efficiently Harvesting Selective Ultraviolet and Near-Infrared Solar Energy. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000564	7.1	3
28	Counterion Migration Driven by Light-Induced Intramolecular Charge Transfer. <i>Jacs Au</i> , <b>2021</b> , 1, 282-293		3
27	Structural effect of phenylcarbazole-based molecules on the exciplex-forming co-host system to achieve highly efficient phosphorescent OLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 9453-9464	7.1	3
26	Enhancing the signal contrast ratio and stability of liquid crystal-based sensors by using fine grids made by photolithography of photoresists. <i>Analyst, The</i> , <b>2021</b> , 146, 3834-3840	5	3
25	Aggregation Control, Surface Passivation, and Optimization of Device Structure Toward Near-Infrared Perovskite Quantum-Dot Light-Emitting Diodes with an EQE up to 15.4.. <i>Advanced Materials</i> , <b>2022</b> , e2109785	24	3
24	Improvement in the Power Conversion Efficiency of Bulk Heterojunction Photovoltaic Device via Thermal Postannealing of Subphthalocyanine:C70Active Layer. <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-7	2.1	2
23	P-178: Semi-transparent Tandem Device Comprising Organic Light-emitting Diodes and Organic Solar Cell. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 1767-1769	0.5	2
22	The Effect of Controlled Dopant Concentration on the Performance of Blue Polymer Light-emitting Diodes. <i>Journal of the Chinese Chemical Society</i> , <b>2011</b> , 58, 326-331	1.5	2
21	Transparent photodetectors with ultra-low dark current and high photoresponse for near-infrared detection. <i>Organic Electronics</i> , <b>2021</b> , 99, 106356	3.5	2
20	Luminescence of Pyrazinyl Pyrazolate Pt(II) Complexes Fine-Tuned by the Solid-State Stacking Interaction. <i>Energy &amp; Fuels</i> ,	4.1	2
19	A Colorful Organic Photovoltaic Devices with a 5.48 % Power Conversion Efficiency <b>2019</b> ,		1
18	Enhancing Device Performance of Small Molecular Organic Photovoltaic Cells by Controlling the Deposition Rate of Fullerene. <i>Journal of the Chinese Chemical Society</i> , <b>2013</b> , 60, 160-165	1.5	1
17	Improving Stability of Pentacene Field-Effect Transistors with Post-Annealing. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1029, 1		1
16	Organic Photodetectors: Vacuum-Processed Small Molecule Organic Photodetectors with Low Dark Current Density and Strong Response to Near-Infrared Wavelength (Advanced Optical Materials 17/2020). <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2070068	8.1	1
15	Organic Lead Halide Nanocrystals Providing an Ultra-Wide Color Gamut with Almost-Unity Photoluminescence Quantum Yield. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 25202-25213	9.5	1
14	84-4: Invited Paper: Near-Infrared Organic Upconversion Device with High Image Sensing Quality. <i>Digest of Technical Papers SID International Symposium</i> , <b>2018</b> , 49, 1147-1150	0.5	1



13	22-3: Distinguished Student Paper: Flexible Quantum Dot Light Emitting Devices for Photomedicine. <i>Digest of Technical Papers SID International Symposium, 2018</i> , 49, 275-278	0.5	1
12	A phosphorescent OLED with an efficiency roll-off lower than 1% at 10 000 cd m <sup>-2</sup> achieved by reducing the carrier mobility of the donors in an exciplex co-host system. <i>Journal of Materials Chemistry C, 2022</i> , 10, 4955-4964	7.1	1
11	26-1: Invited Paper: High Efficiency and High Stability Exciplex-Based OLEDs. <i>Digest of Technical Papers SID International Symposium, 2018</i> , 49, 328-331	0.5	0
10	Realizing a colorful polymer solar cell with high color purity via a metal alloy-dielectric/metal alloy electrode. <i>Journal of Materials Chemistry C, 2021</i> , 9, 11142-11152	7.1	0
9	New Exciplex-Forming Co-Host System and Thienothiadazole-based Fluorescent Emitter for High-Efficiency and Promising Stability Near-Infrared OLED. <i>Advanced Optical Materials, 2022</i> , 10, 2101952	8.1	0
8	Structural, opto-electronics and magnetic study of Fe/Si doped ZnO. <i>Journal of Materials Science: Materials in Electronics, 2019</i> , 30, 9344-9355	2.1	
7	Sensing: Transparent Organic Upconversion Devices for Near-Infrared Sensing (Adv. Mater. 7/2015). <i>Advanced Materials, 2015</i> , 27, 1216-1216	24	
6	P-180: Low-Reflectance Organic Light-emitting Diode Embedded with Organic Solar Cell. <i>Digest of Technical Papers SID International Symposium, 2011</i> , 42, 1773-1775	0.5	
5	39.1: Solution Processed Molecular Materials in the Fabrication of Flexible Phosphorescence-based OLEDs. <i>Digest of Technical Papers SID International Symposium, 2010</i> , 41, 548	0.5	
4	P-158: Connecting Architecture for Organic Light-emitting Diodes Integrated with Organic Photovoltaic Device. <i>Digest of Technical Papers SID International Symposium, 2010</i> , 41, 1841	0.5	
3	Efficient Thin Polymer Solar Cells with Post-Annealing. <i>Materials Research Society Symposia Proceedings, 2007</i> , 1031, 1		
2	Vacuum deposited WO <sub>3</sub> /Al/Al:Ag anode for efficient red organic light-emitting diodes. <i>Organic Electronics, 2022</i> , 103, 106454	3.5	
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