Yixing Yang

List of Publications by Year
in descending order

37 papers	3,084 citations	279798 23 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	3892 citing authors

#	ARTICLE	IF	CITATIONS
1	On the accurate characterization of quantum-dot light-emitting diodes for display applications. Npj Flexible Electronics, 2022, 6, .	10.7	8
2	Highly Stable SnO₂-Based Quantum-Dot Light-Emitting Diodes with the Conventional Device Structure. ACS Nano, 2022, 16, 9631-9639.	14.6	14
3	30.1: <i>Invited Paper:</i> Strategies towards Enhancing Device Lifetime of Quantumâ€Dot Lightâ€Emitting Diodes (QLEDs). Digest of Technical Papers SID International Symposium, 2021, 52, 188-188.	0.3	0
4	Large-area patterning of full-color quantum dot arrays beyond 1000 pixels per inch by selective electrophoretic deposition. Nature Communications, 2021, 12, 4603.	12.8	64
5	Electrically Pumped QD Light Emission from LEDs to Lasers. Information Display, 2021, 37, 6-17.	0.2	2
6	72â€1: <i>Invited Paper:</i> Realizing Long Lifetime Blue Quantum Dots Light Emitting Diodes (QLEDs) through Quantum Dot Structure Tailoring. Digest of Technical Papers SID International Symposium, 2020, 51, 1071-1074.	0.3	5
7	High efficiency and stability of ink-jet printed quantum dot light emitting diodes. Nature Communications, 2020, 11, 1646.	12.8	129
8	Positive Aging Effect of ZnO Nanoparticles Induced by Surface Stabilization. Journal of Physical Chemistry Letters, 2020, 11, 5863-5870.	4.6	34
9	Origin of Subthreshold Turn-On in Quantum-Dot Light-Emitting Diodes. ACS Nano, 2019, 13, 8229-8236.	14.6	46
10	44.4: <i>Invited Paper:</i> Study on the Degradation Mechanisms of Quantumâ€Dot Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2019, 50, 491-491.	0.3	0
11	On the degradation mechanisms of quantum-dot light-emitting diodes. Nature Communications, 2019, 10, 765.	12.8	167
12	Improving Charge Injection via a Blade-Coating Molybdenum Oxide Layer: Toward High-Performance Large-Area Quantum-Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 8258-8264.	8.0	39
13	The Dawn of QLED for the FPD Industry. Information Display, 2018, 34, 14-17.	0.2	3
14	Highly stable QLEDs with improved hole injection via quantum dot structure tailoring. Nature Communications, 2018, 9, 2608.	12.8	268
15	6â€2: <i>Invited Paper</i>: Key Challenges towards the Commercialization of Quantumâ€Dot Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2017, 48, 55-57.	0.3	15
16	Multiple electron transporting layers and their excellent properties based on organic solar cell. Scientific Reports, 2017, 7, 9571.	3.3	20
17	48-1:<i>Invited Paper</i>: High Efficiency and Ultra-Wide Color Gamut Quantum Dot LEDs for Next Generation Displays. Digest of Technical Papers SID International Symposium, 2016, 47, 644-647.	0.3	5
18	High efficiency solution-processed thin-film Cu(In,Ga)(Se,S)₂solar cells. Energy and Environmental Science, 2016, 9, 3674-3681.	30.8	105

#	Article	IF	Citations
19	Solution-processed high-efficiency cadmium-free Cu-Zn-In-S-based quantum-dot light-emitting diodes with low turn-on voltage. Organic Electronics, 2016, 36, 97-102.	2.6	40
20	Enhanced Performance of Inverted Polymer Solar Cells by Combining ZnO Nanoparticles and Poly[(9,9-bis(3â€²-(<i>N</i>,<i>N</i>-dimethylamino)propyl)-2,7-fluorene)-<i>alt</i>-2,7-(9,9-dioctyfluorene)] as Electron Transport Layer. ACS Applied Materials & Interfaces, 2016, 8, 3301-3307.	8.0	43
21	High efficiency and ultra-wide color gamut quantum dot LEDs for next generation displays. Journal of the Society for Information Display, 2015, 23, 523-528.	2.1	103
22	High-efficiency light-emitting devices based on quantum dots with tailored nanostructures. Nature Photonics, 2015, 9, 259-266.	31.4	886
23	Highâ€Efficient Deepâ€Blue Lightâ€Emitting Diodes by Using High Quality Zn_{<i>x</i>}Cd_{1â€<i>x</i>}S/ZnS Core/Shell Quantum Dots. Advanced Functional Materials, 2014, 24, 2367-2373.	14.9	151
24	Efficient infrared photodetector based on three-dimensional self-assembled PbSe superlattices. Journal of Materials Chemistry C, 2014, 2, 6738-6742.	5.5	3
25	Efficient and Bright Colloidal Quantum Dot Light-Emitting Diodes via Controlling the Shell Thickness of Quantum Dots. ACS Applied Materials & Interfaces, 2013, 5, 12011-12016.	8.0	78
26	Ultraviolet-violet electroluminescence from highly fluorescent purines. Journal of Materials Chemistry C, 2013, 1, 2867.	5.5	56
27	Enhancing the Efficiency of Solution-Processed Polymer:Colloidal Nanocrystal Hybrid Photovoltaic Cells Using Ethanedithiol Treatment. ACS Nano, 2013, 7, 4846-4854.	14.6	108
28	Highly Efficient Blueâ€“Green Quantum Dot Light-Emitting Diodes Using Stable Low-Cadmium Quaternary-Alloy ZnCdSSe/ZnS Core/Shell Nanocrystals. ACS Applied Materials & Interfaces, 2013, 5, 4260-4265.	8.0	86
29	Highly efficient near-infrared light-emitting diodes by using type-II CdTe/CdSe core/shell quantum dots as a phosphor. Nanotechnology, 2013, 24, 475603.	2.6	14
30	Solution-processed, nanostructured hybrid solar cells with broad spectral sensitivity and stability. Nanoscale, 2012, 4, 3507.	5.6	53
31	Extended Conjugation Platinum(II) Porphyrins for use in Near-Infrared Emitting Organic Light Emitting Diodes. Chemistry of Materials, 2011, 23, 5305-5312.	6.7	226
32	Conjugated polymers for pure UV light emission: Poly(<i>meta</i>â€phenylenes). Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 557-565.	2.1	13
33	Blue-Violet Electroluminescence from a Highly Fluorescent Purine. Chemistry of Materials, 2010, 22, 3580-3582.	6.7	50
34	Near Infrared Fluorescent and Phosphorescent Organic Light-Emitting Devices. Materials Research Society Symposia Proceedings, 2009, 1154, 1.	0.1	0
35	Efficient near-infrared organic light-emitting devices based on low-gap fluorescent oligomers. Journal of Applied Physics, 2009, 106, .	2.5	62
36	Efficient Near-Infrared Polymer and Organic Light-Emitting Diodes Based on Electrophosphorescence from (Tetraphenyltetranaphtho[2,3]porphyrin)platinum(II). ACS Applied Materials & Interfaces, 2009, 1, 274-278.	8.0	129

#	Article	IF	Citations
37	Near infrared organic light-emitting devices based on donor-acceptor-donor oligomers. Applied Physics Letters, 2008, 93, 163305.	3.3	59