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List of Publications by Year
in descending order

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297	16,404	15495 65	19726 117
papers	citations	h-index	g-index

300	300	300	16632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing the Brightness of Cesium Lead Halide Perovskite Nanocrystal Based Green Light-Emitting Devices through the Interface Engineering with Perfluorinated Ionomer. Nano Letters, 2016, 16, 1415-1420.	4.5	685
2	Dual Plasmonic Nanostructures for High Performance Inverted Organic Solar Cells. Advanced Materials, 2012, 24, 3046-3052.	11.1	654
3	Photoluminescence and Electron Paramagnetic Resonance of ZnO Tetrapod Structures. Advanced Functional Materials, 2004, 14, 856-864.	7.8	581
4	The efficiency limit of CH3NH3PbI3 perovskite solar cells. Applied Physics Letters, 2015, 106, .	1.5	480
5	Pinhole-Free and Surface-Nanostructured NiO_x Film by Room-Temperature Solution Process for High-Performance Flexible Perovskite Solar Cells with Good Stability and Reproducibility. ACS Nano, 2016, 10, 1503-1511.	7.3	477
6	Enhanced photocatalytic activity of Ce3+â€“TiO2 for 2-mercaptobenzothiazole degradation in aqueous suspension for odour control. Applied Catalysis A: General, 2005, 285, 181-189.	2.2	400
7	Vacuum-Assisted Thermal Annealing of CH₃NH₃PbI₃ for Highly Stable and Efficient Perovskite Solar Cells. ACS Nano, 2015, 9, 639-646.	7.3	318
8	Postâ€treatmentâ€Free Solutionâ€Processed Nonâ€stoichiometric NiO_x Nanoparticles for Efficient Holeâ€Transport Layers of Organic Optoelectronic Devices. Advanced Materials, 2015, 27, 2930-2937.	11.1	300
9	Efficiency Enhancement of Organic Solar Cells by Using Shapeâ€Dependent Broadband Plasmonic Absorption in Metallic Nanoparticles. Advanced Functional Materials, 2013, 23, 2728-2735.	7.8	279
10	Lowâ€Temperature Solutionâ€Processed Hydrogen Molybdenum and Vanadium Bronzes for an Efficient Holeâ€Transport Layer in Organic Electronics. Advanced Materials, 2013, 25, 2051-2055.	11.1	269
11	Recent Advances in Transition Metal Complexes and Lightâ€Management Engineering in Organic Optoelectronic Devices. Advanced Materials, 2014, 26, 5368-5399.	11.1	266
12	Optical and electrical properties of efficiency enhanced polymer solar cells with Au nanoparticles in a PEDOTâ€“PSS layer. Journal of Materials Chemistry, 2011, 21, 16349.	6.7	259
13	A Smooth CH₃NH₃PbI₃ Film via a New Approach for Forming the PbI₂ Nanostructure Together with Strategically High CH₃NH₃I Concentration for High Efficient Planarâ€Heterojunction Solar Cells. Advanced Energy Materials, 2015, 5, 1501354.	10.2	228
14	Optical and electrical effects of gold nanoparticles in the active layer of polymer solar cells. Journal of Materials Chemistry, 2012, 22, 1206-1211.	6.7	222
15	Highly Efficient Ternaryâ€Blend Polymer Solar Cells Enabled by a Nonfullerene Acceptor and Two Polymer Donors with a Broad Composition Tolerance. Advanced Materials, 2017, 29, 1704271.	11.1	221
16	Alkyl Sideâ€Chain Engineering in Wideâ€Bandgap Copolymers Leading to Power Conversion Efficiencies over 10%. Advanced Materials, 2017, 29, 1604251.	11.1	213
17	Simultaneous Optimization of Chargeâ€Carrier Balance and Luminous Efficacy in Highly Efficient White Polymer Lightâ€Emitting Devices. Advanced Materials, 2011, 23, 2976-2980.	11.1	204
18	Perovskite Photovoltaics: The Significant Role of Ligands in Film Formation, Passivation, and Stability. Advanced Materials, 2019, 31, e1805702.	11.1	192

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19	Poly(3-hexylthiophene):TiO2nanocomposites for solar cell applications. Nanotechnology, 2004, 15, 1156-1161.	1.3	187
20	Effects of Selfâ€Assembled Monolayer Modification of Nickel Oxide Nanoparticles Layer on the Performance and Application of Inverted Perovskite Solar Cells. ChemSusChem, 2017, 10, 3794-3803.	3.6	185
21	Improving the stability and performance of perovskite solar cells via off-the-shelf post-device ligand treatment. Energy and Environmental Science, 2018, 11, 2253-2262.	15.6	181
22	Toward All Roomâ€Temperature, Solutionâ€Processed, Highâ€Performance Planar Perovskite Solar Cells: A New Scheme of Pyridineâ€Promoted Perovskite Formation. Advanced Materials, 2017, 29, 1604695.	11.1	178
23	Highly Intensified Surface Enhanced Raman Scattering by Using Monolayer Graphene as the Nanospacer of Metal Filmâ€“Metal Nanoparticle Coupling System. Advanced Functional Materials, 2014, 24, 3114-3122.	7.8	171
24	Highâ€Performance Blue Perovskite Lightâ€Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasiâ€2D Perovskite Layers. Advanced Materials, 2021, 33, e2005570.	11.1	171
25	MoOx and V2Ox as hole and electron transport layers through functionalized intercalation in normal and inverted organic optoelectronic devices. Light: Science and Applications, 2015, 4, e273-e273.	7.7	169
26	Biodegradable Materials and Green Processing for Green Electronics. Advanced Materials, 2020, 32, e2001591.	11.1	168
27	Surface Plasmon and Scatteringâ€Enhanced Lowâ€Bandgap Polymer Solar Cell by a Metal Grating Back Electrode. Advanced Energy Materials, 2012, 2, 1203-1207.	10.2	160
28	Improving the efficiency of polymer solar cells by incorporating gold nanoparticles into all polymer layers. Applied Physics Letters, 2011, 99, .	1.5	157
29	Visible photoluminescence in ZnO tetrapod and multipod structures. Applied Physics Letters, 2004, 84, 2635-2637.	1.5	152
30	Waterâ€Soluble Triazolium Ionicâ€Liquidâ€Induced Surface Selfâ€Assembly to Enhance the Stability and Efficiency of Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900417.	7.8	145
31	Plasmonic Electrically Functionalized TiO₂ for Highâ€Performance Organic Solar Cells. Advanced Functional Materials, 2013, 23, 4255-4261.	7.8	138
32	Locally Welded Silver Nanoâ€Network Transparent Electrodes with High Operational Stability by a Simple Alcoholâ€Based Chemical Approach. Advanced Functional Materials, 2015, 25, 4211-4218.	7.8	131
33	Room-Temperature Solution-Processed NiO_x:PbI₂ Nanocomposite Structures for Realizing High-Performance Perovskite Photodetectors. ACS Nano, 2016, 10, 6808-6815.	7.3	122
34	Selective Growth and Integration of Silver Nanoparticles on Silver Nanowires at Room Conditions for Transparent Nano-Network Electrode. ACS Nano, 2014, 8, 10980-10987.	7.3	119
35	Efficient and Stable Red Perovskite Lightâ€Emitting Diodes with Operational Stability >300 h. Advanced Materials, 2021, 33, e2008820.	11.1	119
36	Highâ€Quality Cuboid CH₃NH₃PbI₃ Single Crystals for High Performance Xâ€Ray and Photon Detectors. Advanced Functional Materials, 2019, 29, 1806984.	7.8	115

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37	Strategic Synthesis of Ultrasmall NiCo₂O₄ NPs as Hole Transport Layer for Highly Efficient Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1702722.	10.2	112
38	Polyhedral Oligomeric Silsesquioxane Enhances the Brightness of Perovskite Nanocrystal-Based Green Light-Emitting Devices. Journal of Physical Chemistry Letters, 2016, 7, 4398-4404.	2.1	105
39	Solutionâ€Processed Metal Oxide Nanocrystals as Carrier Transport Layers in Organic and Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1804660.	7.8	105
40	Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. Advanced Functional Materials, 2017, 27, 1606525.	7.8	101
41	Au Multimer@MoS2 hybrid structures for efficient photocatalytical hydrogen production via strongly plasmonic coupling effect. Nano Energy, 2016, 30, 549-558.	8.2	98
42	Exploring the Way To Approach the Efficiency Limit of Perovskite Solar Cells by Drift-Diffusion Model. ACS Photonics, 2017, 4, 934-942.	3.2	98
43	Lending Triarylphosphine Oxide to Phenanthroline: a Facile Approach to Highâ€Performance Organic Smallâ€Molecule Cathode Interfacial Material for Organic Photovoltaics utilizing Airâ€Stable Cathodes. Advanced Functional Materials, 2014, 24, 6540-6547.	7.8	96
44	Enhanced charge extraction in organic solar cells through electron accumulation effects induced by metal nanoparticles. Energy and Environmental Science, 2013, 6, 3372.	15.6	95
45	Efficient Inverted Polymer Solar Cells with Directly Patterned Active Layer and Silver Back Grating. Journal of Physical Chemistry C, 2012, 116, 7200-7206.	1.5	93
46	All-Perovskite Emission Architecture for White Light-Emitting Diodes. ACS Nano, 2018, 12, 10486-10492.	7.3	92
47	Hole Transport Bilayer Structure for Quasiâ€2D Perovskite Based Blue Lightâ€Emitting Diodes with High Brightness and Good Spectral Stability. Advanced Functional Materials, 2019, 29, 1905339.	7.8	92
48	Strategies Toward Efficient Blue Perovskite Lightâ€Emitting Diodes. Advanced Functional Materials, 2021, 31, 2100516.	7.8	92
49	Al-TiO₂ Composite-Modified Single-Layer Graphene as an Efficient Transparent Cathode for Organic Solar Cells. ACS Nano, 2013, 7, 1740-1747.	7.3	90
50	High Phase Stability in CsPbI₃ Enabled by Pbâ€“I Octahedra Anchors for Efficient Inorganic Perovskite Photovoltaics. Advanced Materials, 2020, 32, e2000186.	11.1	90
51	Room-temperature solution-processed molybdenum oxide as a hole transport layer with Ag nanoparticles for highly efficient inverted organic solar cells. Journal of Materials Chemistry A, 2013, 1, 6614.	5.2	89
52	Simultaneous Low-Order Phase Suppression and Defect Passivation for Efficient and Stable Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2569-2579.	8.8	89
53	Lowâ€Bandgap Organic Bulkâ€Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. Advanced Materials, 2021, 33, e2105539.	11.1	89
54	Organicâ€“Inorganic Perovskite Lightâ€Emitting Electrochemical Cells with a Large Capacitance. Advanced Functional Materials, 2015, 25, 7226-7232.	7.8	87

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55	Buried Interface Modification in Perovskite Solar Cells: A Materials Perspective. Advanced Energy Materials, 2022, 12, .	10.2	87
56	Controllable Crystallization of CH₃NH₃Sn_{0.25}Pb_{0.75}I₃ Perovskites for Hysteresisâ€Free Solar Cells with Efficiency Reaching 15.2%. Advanced Functional Materials, 2017, 27, 1605469.	7.8	84
57	Room-temperature solution-processed and metal oxide-free nano-composite for the flexible transparent bottom electrode of perovskite solar cells. Nanoscale, 2016, 8, 5946-5953.	2.8	83
58	Quantifying Efficiency Loss of Perovskite Solar Cells by a Modified Detailed Balance Model. Advanced Energy Materials, 2018, 8, 1701586.	10.2	82
59	Recent Advances in Organic Photovoltaics: Device Structure and Optical Engineering Optimization on the Nanoscale. Small, 2016, 12, 1547-1571.	5.2	77
60	High Efficiency Organic Solar Cells Achieved by the Simultaneous Plasmonâ€Optical and Plasmonâ€Electrical Effects from Plasmonic Asymmetric Modes of Gold Nanostars. Small, 2016, 12, 5200-5207.	5.2	73
61	Emerging Novel Metal Electrodes for Photovoltaic Applications. Small, 2018, 14, e1703140.	5.2	73
62	Near-field multiple scattering effects of plasmonic nanospheres embedded into thin-film organic solar cells. Applied Physics Letters, 2011, 99, .	1.5	72
63	Thick TiO₂-Based Top Electron Transport Layer on Perovskite for Highly Efficient and Stable Solar Cells. ACS Energy Letters, 2018, 3, 2891-2898.	8.8	71
64	Lowâ€Bandgap Methylammoniumâ€Rubidium Cation Snâ€Rich Perovskites for Efficient Ultravioletâ€“Visibleâ€“Near Infrared Photodetectors. Advanced Functional Materials, 2018, 28, 1706068.	7.8	70
65	Multifunctional Synthesis Approach of In:CuCrO₂ Nanoparticles for Hole Transport Layer in Highâ€Performance Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1902600.	7.8	70
66	A comprehensive study for the plasmonic thin-film solar cell with periodic structure. Optics Express, 2010, 18, 5993.	1.7	67
67	Solution-Processed Metal Oxides as Efficient Carrier Transport Layers for Organic Photovoltaics. Small, 2016, 12, 416-431.	5.2	67
68	Highâ€Performance Organic Solar Cells with Broadband Absorption Enhancement and Reliable Reproducibility Enabled by Collective Plasmonic Effects. Advanced Optical Materials, 2015, 3, 1220-1231.	3.6	66
69	Controllable Synthesis and Optical Properties of Novel ZnO Cone Arrays via Vapor Transport at Low Temperature. Journal of Physical Chemistry B, 2005, 109, 2733-2738.	1.2	65
70	Evolution of Diffusion Length and Trap State Induced by Chloride in Perovskite Solar Cell. Journal of Physical Chemistry C, 2016, 120, 21248-21253.	1.5	64
71	Angular response of thin-film organic solar cells with periodic metal back nanostrips. Optics Letters, 2011, 36, 478.	1.7	62
72	An all-copper plasmonic sandwich system obtained through directly depositing copper NPs on a CVD grown graphene/copper film and its application in SERS. Nanoscale, 2015, 7, 11291-11299.	2.8	62

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73	Breaking the Space Charge Limit in Organic Solar Cells by a Novel Plasmonic-Electrical Concept. Scientific Reports, 2014, 4, 6236.	1.6	62
74	Perovskite-organic hybrid tandem solar cells using a nanostructured perovskite layer as the light window and a PFN/doped-MoO₃/MoO₃ multilayer as the interconnecting layer. Nanoscale, 2016, 8, 3638-3646.	2.8	59
75	High Performance Flexible Transparent Electrode via Oneâ€Step Multifunctional Treatment for Ag Nanonetwork Composites Semiâ€Embedded in Lowâ€Temperatureâ€Processed Substrate for Highly Performed Organic Photovoltaics. Advanced Energy Materials, 2020, 10, 1903919.	10.2	58
76	How far does the defect tolerance of lead-halide perovskites range? The example of Bi impurities introducing efficient recombination centers. Journal of Materials Chemistry A, 2019, 7, 23838-23853.	5.2	57
77	Optically enhanced semi-transparent organic solar cells through hybrid metal/nanoparticle/dielectric nanostructure. Nano Energy, 2015, 17, 187-195.	8.2	54
78	Optical and electrical study of organic solar cells with a 2D grating anode. Optics Express, 2012, 20, 2572.	1.7	52
79	Transition metal oxides as hole-transporting materials in organic semiconductor and hybrid perovskite based solar cells. Science China Chemistry, 2017, 60, 472-489.	4.2	52
80	Efficient CsPbBr₃ Nanoplatelet-Based Blue Light-Emitting Diodes Enabled by Engineered Surface Ligands. ACS Energy Letters, 2022, 7, 1137-1145.	8.8	52
81	Substantial Performance Improvement in Inverted Polymer Light-Emitting Diodes via Surface Plasmon Resonance Induced Electrode Quenching Control. ACS Applied Materials & Interfaces, 2014, 6, 11001-11006.	4.0	51
82	The mechanism of universal green antisolvents for intermediate phase controlled high-efficiency formamidinium-based perovskite solar cells. Materials Horizons, 2020, 7, 934-942.	6.4	51
83	Tailoring the Interface in FAPbI₃ Planar Perovskite Solar Cells by Imidazoleâ€Grapheneâ€Quantumâ€Dots. Advanced Functional Materials, 2021, 31, 2101438.	7.8	51
84	Semitransparent organic solar cells with hybrid monolayer graphene/metal grid as top electrodes. Applied Physics Letters, 2013, 102, 113303.	1.5	49
85	Plasmon-Electrical Effects on Organic Solar Cells by Incorporation of Metal Nanostructures. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-9.	1.9	49
86	Synthesis, vacuum ultraviolet and near ultraviolet-excited luminescent properties of GdCaAl3O7: RE3+ (RE=Eu, Tb). Journal of Solid State Chemistry, 2005, 178, 3004-3009.	1.4	48
87	Synthesis of wurtzite ZnSe nanorings by thermal evaporation. Applied Physics Letters, 2006, 88, 183110.	1.5	48
88	Polarization-independent efficiency enhancement of organic solar cells by using 3-dimensional plasmonic electrode. Applied Physics Letters, 2013, 102, 153304.	1.5	48
89	Room temperature formation of organicâ€“inorganic lead halide perovskites: design of nanostructured and highly reactive intermediates. Journal of Materials Chemistry A, 2017, 5, 3599-3608.	5.2	48
90	Efficiency and stability of different tris(8-hydroxyquinoline) aluminium (Alq3) derivatives in OLED applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 116, 75-81.	1.7	46

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91	Operational and Spectral Stability of Perovskite Light-Emitting Diodes. ACS Energy Letters, 2021, 6, 3114-3131.	8.8	46
92	The emerging multiple metal nanostructures for enhancing the light trapping of thin film organic photovoltaic cells. Chemical Communications, 2014, 50, 11984-11993.	2.2	45
93	Organic light-emitting diodes based on a cohost electron transporting composite. Applied Physics Letters, 2006, 88, 113510.	1.5	44
94	Over 1.1 eV Workfunction Tuning of Cesium Intercalated Metal Oxides for Functioning as Both Electron and Hole Transport Layers in Organic Optoelectronic Devices. Advanced Functional Materials, 2014, 24, 7348-7356.	7.8	44
95	A General Design Rule to Manipulate Photocarrier Transport Path in Solar Cells and Its Realization by the Plasmonic-Electrical Effect. Scientific Reports, 2015, 5, 8525.	1.6	44
96	Solutionâ€Processed Ternary Oxides as Carrier Transport/Injection Layers in Optoelectronics. Advanced Energy Materials, 2020, 10, 1900903.	10.2	44
97	Triple Interface Passivation Strategyâ€Enabled Efficient and Stable Inverted Perovskite Solar Cells. Small Methods, 2020, 4, 2000478.	4.6	44
98	Polymer solar cells with gold nanoclusters decorated multi-layer graphene as transparent electrode. Applied Physics Letters, 2011, 99, 223302.	1.5	43
99	Study on spontaneous emission in complex multilayered plasmonic system via surface integral equation approach with layered medium Greenâ€™s function. Optics Express, 2012, 20, 20210.	1.7	43
100	Efficient near-infrared light-emitting diodes based on organometallic halide perovskiteâ€“poly(2-ethyl-2-oxazoline) nanocomposite thin films. Nanoscale, 2016, 8, 19846-19852.	2.8	43
101	Crystallization, Properties, and Challenges of Lowâ€Bandgap Snâ€“Pb Binary Perovskites. Solar Rrl, 2018, 2, 1800146.	3.1	43
102	Efficient and Stable Allâ€Inorganic Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000408.	3.1	43
103	Efficient Interconnection in Perovskite Tandem Solar Cells. Small Methods, 2020, 4, 2000093.	4.6	43
104	Pre- and post-treatments free nanocomposite based hole transport layer for high performance organic solar cells with considerably enhanced reproducibility. Nano Energy, 2017, 34, 76-85.	8.2	42
105	Tuning optical responses of metallic dipole nanoantenna using graphene. Optics Express, 2013, 21, 31824.	1.7	40
106	A solution-processable diketopyrrolopyrrole dye molecule with (fluoronaphthyl)thienyl endgroups for organic solar cells. Dyes and Pigments, 2014, 101, 51-57.	2.0	40
107	Efficient hole transport layers with widely tunable work function for deep HOMO level organic solar cells. Journal of Materials Chemistry A, 2015, 3, 23955-23963.	5.2	40
108	Thermionic Emissionâ€“Based Interconnecting Layer Featuring Solvent Resistance for Monolithic Tandem Solar Cells with Solutionâ€Processed Perovskites. Advanced Energy Materials, 2018, 8, 1801954.	10.2	40

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109	Achieving High-Quality Snâ€“Pb Perovskite Films on Complementary Metal-Oxide-Semiconductor-Compatible Metal/Silicon Substrates for Efficient Imaging Array. ACS Nano, 2019, 13, 11800-11808.	7.3	40
110	Selfâ€Assembled Quasiâ€3D Nanocomposite: A Novel pâ€Type Hole Transport Layer for High Performance Inverted Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1706403.	7.8	39
111	A General Method: Designing a Hypocrystalline Hydroxide Intermediate to Achieve Ultrasmall and Wellâ€Dispersed Ternary Metal Oxide for Efficient Photovoltaic Devices. Advanced Functional Materials, 2019, 29, 1904684.	7.8	39
112	Color tunable organic light-emitting diodes by using europium organometallic complex. Applied Physics Letters, 2006, 89, 251108.	1.5	38
113	High Efficiency Blue Organic LEDs Achieved By an Integrated Fluorescenceâ€“Interlayerâ€“Phosphorescence Emission Architecture. Advanced Functional Materials, 2010, 20, 648-655.	7.8	38
114	Improving the viewing angle properties of microcavity OLEDs by using dispersive gratings. Optics Express, 2007, 15, 13288.	1.7	37
115	Finite-Element-Based Generalized Impedance Boundary Condition for Modeling Plasmonic Nanostructures. IEEE Nanotechnology Magazine, 2012, 11, 336-345.	1.1	37
116	Photovoltaic Mode Ultraviolet Organic Photodetectors with High On/Off Ratio and Fast Response. Advanced Optical Materials, 2014, 2, 1082-1089.	3.6	37
117	A New Interconnecting Layer of Metal Oxide/Dipole Layer/Metal Oxide for Efficient Tandem Organic Solar Cells. Advanced Energy Materials, 2015, 5, 1500631.	10.2	37
118	Highly efficient planar perovskite solar cells achieved by simultaneous defect engineering and formation kinetic control. Journal of Materials Chemistry A, 2018, 6, 23865-23874.	5.2	37
119	Efficient and Rigorous Modeling of Light Emission in Planar Multilayer Organic Light-Emitting Diodes. Journal of Display Technology, 2007, 3, 110-117.	1.3	36
120	Linearly resistive humidity sensor based on quasi one-dimensional ZnSe nanostructures. Chemical Physics Letters, 2008, 457, 198-201.	1.2	36
121	Unidirectional and wavelength-selective photonic sphere-array nanoantennas. Optics Letters, 2012, 37, 2112.	1.7	36
122	Transient Photovoltage Measurements on Perovskite Solar Cells with Varied Defect Concentrations and Inhomogeneous Recombination Rates. Small Methods, 2020, 4, 2000290.	4.6	36
123	A novel green emitting phosphor Ca1.5Y1.5Al3.5Si1.5O12:Tb3+. Materials Chemistry and Physics, 2006, 100, 372-374.	2.0	35
124	Efficient hole collection by introducing ultra-thin UVâ€“ozone treated Au in polymer solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 904-908.	3.0	35
125	A low temperature gradual annealing scheme for achieving high performance perovskite solar cells with no hysteresis. Journal of Materials Chemistry A, 2015, 3, 14424-14430.	5.2	34
126	Device Physics of the Carrier Transporting Layer in Planar Perovskite Solar Cells. Advanced Optical Materials, 2019, 7, 1900407.	3.6	34

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127	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer. Nano-Micro Letters, 2022, 14, 66.	14.4	34
128	Sequential Processing: Spontaneous Improvements in Film Quality and Interfacial Engineering for Efficient Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800027.	3.1	33
129	Enhanced hole injection assisted by electric dipoles for efficient perovskite light-emitting diodes. Communications Materials, 2020, 1, .	2.9	33
130	Synthesis and analysis of abnormal wurtzite ZnSe nanowheels. Journal of Applied Physics, 2007, 102, 044302.	1.1	31
131	In Situ Tin(II) Complex Antisolvent Process Featuring Simultaneous Quasiâ€Coreâ€“Shell Structure and Heterojunction for Improving Efficiency and Stability of Lowâ€Bandgap Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1903013.	10.2	31
132	Light harvesting improvement of organic solar cells with self-enhanced active layer designs. Optics Express, 2012, 20, 8175.	1.7	30
133	Polarizationâ€Induced Charge Distribution at Homogeneous Zincblende/Wurtzite Heterostructural Junctions in ZnSe Nanobelts. Advanced Materials, 2012, 24, 1328-1332.	11.1	30
134	An efficacious multifunction codoping strategy on a room-temperature solution-processed hole transport layer for realizing high-performance perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 371-379.	5.2	30
135	A Simple method to prepare multi-walled carbon nanotube/ZnO nanoparticle composites. Applied Physics A: Materials Science and Processing, 2007, 89, 525-528.	1.1	29
136	A Switchable Interconnecting Layer for High Performance Tandem Organic Solar Cell. Advanced Energy Materials, 2017, 7, 1701164.	10.2	29
137	Triple-Crystal Zinc Selenide Nanobelts. Journal of Physical Chemistry C, 2007, 111, 9055-9059.	1.5	28
138	Tunable full-color emission of two-unit stacked organic light emitting diodes with dual-metal intermediate electrode. Journal of Organometallic Chemistry, 2009, 694, 2712-2716.	0.8	27
139	Systematic study of spontaneous emission in a two-dimensional arbitrary inhomogeneous environment. Physical Review A, 2011, 83, .	1.0	27
140	Polarization Control by Using Anisotropic 3-D Chiral Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 4687-4694.	3.1	27
141	Defect Behaviors in Perovskite Light-Emitting Diodes. , 2021, 3, 1702-1728.		27
142	Comprehensive analysis and optimal design of top-emitting organic light-emitting devices. Journal of Applied Physics, 2007, 101, 113107.	1.1	26
143	Electron-pinned defect dipoles in (Li, Al) co-doped ZnO ceramics with colossal dielectric permittivity. Journal of Materials Chemistry A, 2020, 8, 4764-4774.	5.2	26
144	Inorganic top electron transport layer for high performance inverted perovskite solar cells. EcoMat, 2021, 3, e12127.	6.8	26

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145	Energy Regulation in White-Light-Emitting Diodes. ACS Energy Letters, 2022, 7, 2173-2188.	8.8	26
146	Laser-induced etching of silicon. Applied Physics A: Materials Science and Processing, 1995, 61, 45-50.	1.1	25
147	Modifications of the exciton lifetime and internal quantum efficiency for organic light-emitting devices with a weak/strong microcavity. Applied Physics Letters, 2007, 91, 221112.	1.5	24
148	Synthesis and luminescent properties of GdSrAl3O7:Tb3+ phosphor under VUV/UV excitation. Journal of Alloys and Compounds, 2008, 463, 302-305.	2.8	24
149	Nanoparticle-induced resonant tunneling behaviors in small molecule organic light-emitting devices. Applied Physics Letters, 2009, 94, .	1.5	24
150	Magnetic field effects on the electroluminescence of organic light emitting devices: A tool to indicate the carrier mobility. Applied Physics Letters, 2010, 97, 163302.	1.5	24
151	Single-phase alkylammonium cesium lead iodide quasi-2D perovskites for color-tunable and spectrum-stable red LEDs. Nanoscale, 2019, 11, 16907-16918.	2.8	24
152	Critical Role of Functional Groups in Defect Passivation and Energy Band Modulation in Efficient and Stable Inverted Perovskite Solar Cells Exceeding 21% Efficiency. ACS Applied Materials & Interfaces, 2020, 12, 57165-57173.	4.0	24
153	Comprehensive investigation of absolute optical properties of organic materials. Journal Physics D: Applied Physics, 2008, 41, 155109.	1.3	23
154	The incorporation of thermionic emission and work function tuning layer into intermediate connecting layer for high performance tandem organic solar cells. Nano Energy, 2016, 21, 123-132.	8.2	23
155	All-room-temperature solution-processed new nanocomposites based hole transport layer from synthesis to film formation for high-performance organic solar cells towards ultimate energy-efficient fabrication. Nano Energy, 2018, 47, 26-34.	8.2	23
156	Enhanced Silver Nanowire Composite Window Electrode Protected by Large Size Graphene Oxide Sheets for Perovskite Solar Cells. Nanomaterials, 2019, 9, 193.	1.9	23
157	Indium Tin Oxide Modified by Au and Vanadium Pentoxide as an Efficient Anode for Organic Light-Emitting Devices. IEEE Transactions on Electron Devices, 2008, 55, 2517-2520.	1.6	22
158	Improving efficiency roll-off in organic light emitting devices with a fluorescence-interlayer-phosphorescence emission architecture. Applied Physics Letters, 2009, 95, 133304.	1.5	22
159	Hybrid Nanoparticle/Organic Devices with Strong Resonant Tunneling Behaviors. Advanced Functional Materials, 2009, 19, 2648-2653.	7.8	22
160	Optical design of organic solar cell with hybrid plasmonic system. Optics Express, 2011, 19, 15908.	1.7	22
161	A study of optical properties enhancement in low-bandgap polymer solar cells with embedded PEDOT:PSS gratings. Solar Energy Materials and Solar Cells, 2012, 99, 327-332.	3.0	22
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