Henk Bolink

List of Publications by Year
in descending order

341 papers	23,948 citations	6613 79 h-index	9589 142 g-index
347 all docs	347 docs citations	347 times ranked	19104 citing authors

#	Article	IF	Citations
1	Perovskite solar cells employing organic charge-transport layers. Nature Photonics, 2014, 8, 128-132.	31.4	1,320
2	Nontemplate Synthesis of CH₃NH₃PbBr₃ Perovskite Nanoparticles. Journal of the American Chemical Society, 2014, 136, 850-853.	13.7	1,128
3	Luminescent Ionic Transitionâ€Metal Complexes for Lightâ€Emitting Electrochemical Cells. Angewandte Chemie - International Edition, 2012, 51, 8178-8211.	13.8	857
4	Recombination in Perovskite Solar Cells: Significance of Grain Boundaries, Interface Traps, and Defect Ions. ACS Energy Letters, 2017, 2, 1214-1222.	17.4	826
5	Trapâ€Assisted Nonâ€Radiative Recombination in Organicâ€“Inorganic Perovskite Solar Cells. Advanced Materials, 2015, 27, 1837-1841.	21.0	684
6	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. Nature Photonics, 2021, 15, 148-155.	31.4	590
7	Advances in Perovskite Solar Cells. Advanced Science, 2016, 3, 1500324.	11.2	482
8	Efficient vacuum deposited p-i-n and n-i-p perovskite solar cells employing doped charge transport layers. Energy and Environmental Science, 2016, 9, 3456-3463.	30.8	410
9	Flexible high efficiency perovskite solar cells. Energy and Environmental Science, 2014, 7, 994.	30.8	409
10	Simultaneous determination of carrier lifetime and electron density-of-states in P3HT:PCBM organic solar cells under illumination by impedance spectroscopy. Solar Energy Materials and Solar Cells, 2010, 94, 366-375.	6.2	326
11	Radiative efficiency of lead iodide based perovskite solar cells. Scientific Reports, 2014, 4, 6071.	3.3	283
12	Vapor-Deposited Perovskites: The Route to High-Performance Solar Cell Production?. Joule, 2017, 1, 431-442.	24.0	274
13	Perovskite light-emitting diodes. Nature Electronics, 2022, 5, 203-216.	26.0	268
14	High efficiency single-junction semitransparent perovskite solar cells. Energy and Environmental Science, 2014, 7, 2968-2973.	30.8	266
15	Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. Joule, 2020, 4, 1035-1053.	24.0	257
16	Efficient Monolithic Perovskite/Perovskite Tandem Solar Cells. Advanced Energy Materials, 2017, 7, 1602121.	19.5	255
17	Hybrid Organicâ€“Inorganic Lightâ€Emitting Diodes. Advanced Materials, 2011, 23, 1829-1845.	21.0	253
18	Archetype Cationic Iridium Complexes and Their Use in Solidâ€State Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2009, 19, 3456-3463.	14.9	239

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19	Light-emitting electrochemical cells: recent progress and future prospects. Materials Today, 2014, 17, 217-223.	14.2	239
20	Controlling Phosphorescence Color and Quantum Yields in Cationic Iridium Complexes:Â A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2007, 46, 5989-6001.	4.0	237
21	Synthesis, Characterization, and DFT/TD-DFT Calculations of Highly Phosphorescent Blue Light-Emitting Anionic Iridium Complexes. Inorganic Chemistry, 2008, 47, 980-989.	4.0	222
22	Stable Single-Layer Light-Emitting Electrochemical Cell Using 4,7-Diphenyl-1,10-phenanthroline-bis(2-phenylpyridine)iridium(III) Hexafluorophosphate. Journal of the American Chemical Society, 2006, 128, 14786-14787.	13.7	191
23	Longâ€Living Lightâ€Emitting Electrochemical Cells â€" Control through Supramolecular Interactions. Advanced Materials, 2008, 20, 3910-3913.	21.0	185
24	Copper(i) complexes for sustainable light-emitting electrochemical cells. Journal of Materials Chemistry, 2011, 21, 16108.	6.7	184
25	Efficient Polymer Lightâ€Emitting Diode Using Airâ€Stable Metal Oxides as Electrodes. Advanced Materials, 2009, 21, 79-82.	21.0	172
26	Near-Quantitative Internal Quantum Efficiency in a Light-Emitting Electrochemical Cell. Inorganic Chemistry, 2008, 47, 9149-9151.	4.0	169
27	Negative capacitance caused by electron injection through interfacial states in organic light-emitting diodes. Chemical Physics Letters, 2006, 422, 184-191.	2.6	168
28	Origin of the large spectral shift in electroluminescence in a blue light emitting cationic iridium(iii) complex. Journal of Materials Chemistry, 2007, 17, 5032.	6.7	166
29	Operating Modes of Sandwiched Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2011, 21, 1581-1586.	14.9	164
30	Metalâ€Oxideâ€Free Methylammonium Lead Iodide Perovskiteâ€Based Solar Cells: the Influence of Organic Charge Transport Layers. Advanced Energy Materials, 2014, 4, 1400345.	19.5	164
31	Inverted Solution Processable OLEDs Using a Metal Oxide as an Electron Injection Contact.. Advanced Functional Materials, 2008, 18, 145-150.	14.9	158
32	Strontium Insertion in Methylammonium Lead Iodide: Long Charge Carrier Lifetime and High Fillâ€Factor Solar Cells. Advanced Materials, 2016, 28, 9839-9845.	21.0	150
33	Air stable hybrid organic-inorganic light emitting diodes using ZnO as the cathode. Applied Physics Letters, 2007, 91, 223501.	3.3	148
34	Simple, Fast, Bright, and Stable Light Sources. Advanced Materials, 2012, 24, 897-900.	21.0	148
35	Delayed Luminescence in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 13381-13390.	3.1	148
36	Efficient and Longâ€Living Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2010, 20, 1511-1520.	14.9	147

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37	Vacuum Deposited Tripleâ€Cation Mixedâ€Halide Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703506.	19.5	147
38	Influence of the Intermediate Density-of-States Occupancy on Open-Circuit Voltage of Bulk Heterojunction Solar Cells with Different Fullerene Acceptors. Journal of Physical Chemistry Letters, 2010, 1, 2566-2571.	4.6	140
39	A Supramolecularly-Caged Ionic Iridium(III) Complex Yielding Bright and Very Stable Solid-State Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2008, 130, 14944-14945.	13.7	138
40	Ionâ€Selective Organic Electrochemical Transistors. Advanced Materials, 2014, 26, 4803-4807.	21.0	136
41	Advances in solution-processed near-infrared light-emitting diodes. Nature Photonics, 2021, 15, 656-669.	31.4	136
42	Self-assembled hierarchical nanostructured perovskites enable highly efficient LEDs <i>via</i> an energy cascade. Energy and Environmental Science, 2018, 11, 1770-1778.	30.8	135
43	Improving Perovskite Solar Cells: Insights From a Validated Device Model. Advanced Energy Materials, 2017, 7, 1602432.	19.5	132
44	Band unpinning and photovoltaic model for P3HT:PCBM organic bulk heterojunctions under illumination. Chemical Physics Letters, 2008, 465, 57-62.	2.6	122
45	Near-UV to red-emitting charged bis-cyclometallated iridium(<scp>iii</scp>) complexes for light-emitting electrochemical cells. Dalton Transactions, 2012, 41, 180-191.	3.3	121
46	Efficient methylammonium lead iodide perovskite solar cells with active layers from 300 to 900 nm. APL Materials, 2014, 2, .	5.1	118
47	Removing Leakage and Surface Recombination in Planar Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 424-430.	17.4	117
48	Intramolecular Ï€-Stacking in a Phenylpyrazole-Based Iridium Complex and Its Use in Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2010, 132, 5978-5980.	13.7	116
49	Observation of Electroluminescence at Room Temperature from a Ruthenium(II) Bis-Terpyridine Complex and Its Use for Preparing Light-Emitting Electrochemical Cells. Inorganic Chemistry, 2005, 44, 5966-5968.	4.0	114
50	Efficient and Stable Solid-State Light-Emitting Electrochemical Cell Using Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) Hexafluorophosphate. Journal of the American Chemical Society, 2006, 128, 46-47.	13.7	113
51	Charged Bis-Cyclometalated Iridium(III) Complexes with Carbene-Based Ancillary Ligands. Inorganic Chemistry, 2013, 52, 10292-10305.	4.0	110
52	Light-Emitting Electrochemical Cells and Solution-Processed Organic Light-Emitting Diodes Using Small Molecule Organic Thermally Activated Delayed Fluorescence Emitters. Chemistry of Materials, 2015, 27, 6535-6542.	6.7	110
53	Efficient photovoltaic and electroluminescent perovskite devices. Chemical Communications, 2015, 51, 569-571.	4.1	110
54	Charge Transport Layers Limiting the Efficiency of Perovskite Solar Cells: How To Optimize Conductivity, Doping, and Thickness. ACS Applied Energy Materials, 2019, 2, 6280-6287.	5.1	110

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55	Origin of the Enhanced Photoluminescence Quantum Yield in MAPbBr₃ Perovskite with Reduced Crystal Size. ACS Energy Letters, 2018, 3, 1458-1466.	17.4	106
56	Efficient deep-red light-emitting electrochemical cells based on a perylenediimide-iridium-complex dyad. Chemical Communications, 2009, , 3886.	4.1	103
57	Quantification of spatial inhomogeneity in perovskite solar cells by hyperspectral luminescence imaging. Energy and Environmental Science, 2016, 9, 2286-2294.	30.8	102
58	Photophysical Properties of Charged Cyclometalated Ir(III) Complexes: A Joint Theoretical and Experimental Study. Inorganic Chemistry, 2011, 50, 7229-7238.	4.0	101
59	Interfacial Modification for High-Efficiency Vapor-Phase-Deposited Perovskite Solar Cells Based on a Metal Oxide Buffer Layer. Journal of Physical Chemistry Letters, 2018, 9, 1041-1046.	4.6	101
60	Mixed Iodideâ€“Bromide Methylammonium Lead Perovskite-based Diodes for Light Emission and Photovoltaics. Journal of Physical Chemistry Letters, 2015, 6, 3743-3748.	4.6	100
61	Perovskite solar cells prepared by flash evaporation. Chemical Communications, 2015, 51, 7376-7378.	4.1	99
62	Highly Luminescent Half-Lantern Cyclometalated Platinum(II) Complex: Synthesis, Structure, Luminescence Studies, and Reactivity.. Inorganic Chemistry, 2012, 51, 3427-3435.	4.0	98
63	Light-Emitting Electrochemical Cells Using Cyanine Dyes as the Active Components. Journal of the American Chemical Society, 2013, 135, 18008-18011.	13.7	98
64	High voltage vacuum-deposited CH₃NH₃PbI₃â€“CH₃NH₃PbI₃ tandem solar cells. Energy and Environmental Science, 2018, 11, 3292-3297.	30.8	98
65	Highly Stable Red-Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2017, 139, 3237-3248.	13.7	95
66	Solvent-Free Synthesis and Thin-Film Deposition of Cesium Copper Halides with Bright Blue Photoluminescence. Chemistry of Materials, 2019, 31, 10205-10210.	6.7	94
67	White-light phosphorescence emission from a single molecule: application to OLED. Chemical Communications, 2009, , 4672.	4.1	92
68	Stable Green Electroluminescence from an Iridium Tris-Heteroleptic Ionic Complex. Chemistry of Materials, 2012, 24, 1896-1903.	6.7	91
69	Fully Vacuum-Processed Wide Band Gap Mixed-Halide Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 214-219.	17.4	91
70	Subphthalocyanines as narrow band red-light emitting materials. Tetrahedron Letters, 2007, 48, 4657-4660.	1.4	89
71	Persistent photovoltage in methylammonium lead iodide perovskite solar cells. APL Materials, 2014, 2, .	5.1	86
72	Stable and Efficient Solidâ€State Lightâ€Emitting Electrochemical Cells Based on a Series of Hydrophobic Iridium Complexes. Advanced Energy Materials, 2011, 1, 282-290.	19.5	84

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73	Shine bright or live long: substituent effects in [Cu(N^N)(P^P)]⁺-based light-emitting electrochemical cells where N^N is a 6-substituted 2,2â€²-bipyridine. Journal of Materials Chemistry C, 2016, 4, 3857-3871.	5.5	83
74	Highly phosphorescent perfect green emitting iridium(iii) complex for application in OLEDs. Chemical Communications, 2007, , 3276.	4.1	82
75	Recent advances in light-emitting electrochemical cells. Pure and Applied Chemistry, 2011, 83, 2115-2128.	1.9	82
76	A deep-blue emitting charged bis-cyclometallated iridium(<scp>iii</scp>) complex for light-emitting electrochemical cells. Journal of Materials Chemistry C, 2013, 1, 58-68.	5.5	81
77	Tuning the Emission of Cationic Iridium (III) Complexes Towards the Red Through Methoxy Substitution of the Cyclometalating Ligand. Scientific Reports, 2015, 5, 12325.	3.3	81
78	Efficient Wide-Bandgap Mixed-Cation and Mixed-Halide Perovskite Solar Cells by Vacuum Deposition. ACS Energy Letters, 2021, 6, 827-836.	17.4	81
79	Improving the Turn-On Time of Light-Emitting Electrochemical Cells without Sacrificing their Stability. Chemistry of Materials, 2010, 22, 1288-1290.	6.7	80
80	[Cu(bpy)(P^P)]⁺ containing light-emitting electrochemical cells: improving performance through simple substitution. Dalton Transactions, 2014, 43, 16593-16596.	3.3	80
81	Exceptionally long-lived light-emitting electrochemical cells: multiple intra-cation Ï€-stacking interactions in [Ir(C^N)₂(N^N)][PF₆] emitters. Chemical Science, 2015, 6, 2843-2852.	7.4	79
82	Two are not always better than one: ligand optimisation for long-living light-emitting electrochemical cells. Chemical Communications, 2009, , 2029.	4.1	78
83	Solution processable phosphorescent dendrimers based on cyclic phosphazenes for use in organic light emitting diodes (OLEDs). Chemical Communications, 2008, , 618-620.	4.1	77
84	Perovskiteâ€“Perovskite Homojunctions via Compositional Doping. Journal of Physical Chemistry Letters, 2018, 9, 2770-2775.	4.6	77
85	Vacuum-Deposited 2D/3D Perovskite Heterojunctions. ACS Energy Letters, 2019, 4, 2893-2901.	17.4	77
86	Correlating the Lifetime and Fluorine Content of Iridium(III) Emitters in Green Light-Emitting Electrochemical Cells. Chemistry of Materials, 2013, 25, 3391-3397.	6.7	76
87	Lead acetate precursor based p-i-n perovskite solar cells with enhanced reproducibility and low hysteresis. Journal of Materials Chemistry A, 2015, 3, 14121-14125.	10.3	76
88	Making by Grinding: Mechanochemistry Boosts the Development of Halide Perovskites and Other Multinary Metal Halides. Advanced Energy Materials, 2020, 10, 1902499.	19.5	76
89	Dynamic Doping in Planar Ionic Transition Metal Complexâ€Based Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2013, 23, 3531-3538.	14.9	75
90	Bright Blue Phosphorescence from Cationic Bis-Cyclometalated Iridium(III) Isocyanide Complexes. Inorganic Chemistry, 2012, 51, 2263-2271.	4.0	74

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91	Universal Transients in Polymer and Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2013, 135, 886-891.	13.7	74
92	Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands. Inorganic Chemistry, 2014, 53, 7709-7721.	4.0	72
93	Consistent Device Simulation Model Describing Perovskite Solar Cells in Steady-State, Transient, and Frequency Domain. ACS Applied Materials & Interfaces, 2019, 11, 23320-23328.	8.0	72
94	Light-emitting electrochemical cells based on a supramolecularly-caged phenanthroline-based iridium complex. Chemical Communications, 2011, 47, 3207.	4.1	70
95	Green Light-Emitting Solid-State Electrochemical Cell Obtained from a Homoleptic Iridium(III) Complex Containing Ionically Charged Ligands. Chemistry of Materials, 2006, 18, 2778-2780.	6.7	68
96	Hostâ€"guest blue light-emitting electrochemical cells. Journal of Materials Chemistry C, 2014, 2, 1605-1611.	5.5	68
97	Hybrid organic-inorganic light emitting diodes: effect of the metal oxide. Journal of Materials Chemistry, 2010, 20, 4047.	6.7	67
98	Single-Source Vacuum Deposition of Mechanosynthesized Inorganic Halide Perovskites. Chemistry of Materials, 2018, 30, 7423-7427.	6.7	67
99	Highly Stable and Efficient Light-Emitting Electrochemical Cells Based on Cationic Iridium Complexes Bearing Arylazole Ancillary Ligands. Inorganic Chemistry, 2017, 56, 10298-10310.	4.0	65
100	Effects of Masking on Open-Circuit Voltage and Fill Factor in Solar Cells. Joule, 2019, 3, 16-26.	24.0	64
101	Efficient blue emitting organic light emitting diodes based on fluorescent solution processable cyclic phosphazenes. Organic Electronics, 2008, 9, 155-163.	2.6	63
102	Pulsed-current versus constant-voltage light-emitting electrochemical cells with trifluoromethyl-substituted cationic iridium(iii) complexes. Journal of Materials Chemistry C, 2013, 1, 2241.	5.5	63
103	Highly luminescent perovskiteâ€"aluminum oxide composites. Journal of Materials Chemistry C, 2015, 3, 11286-11289.	5.5	63
104	Perovskite solar cells join the major league. Science, 2015, 350, 917-917.	12.6	63
105	Luminescent copper(<scp>i</scp>) complexes with bisphosphane and halogen-substituted 2,2â€²-bipyridine ligands. Dalton Transactions, 2018, 47, 14263-14276.	3.3	63
106	Determination of electron and hole energy levels in mesoporous nanocrystalline TiO2 solid-state dye solar cell. Synthetic Metals, 2006, 156, 944-948.	3.9	62
107	Efficient orange light-emitting electrochemical cells. Journal of Materials Chemistry, 2012, 22, 19264.	6.7	62
108	Boosting inverted perovskite solar cell performance by using 9,9-bis(4-diphenylaminophenyl)fluorene functionalized with triphenylamine as a dopant-free hole transporting material. Journal of Materials Chemistry A, 2019, 7, 12507-12517.	10.3	62

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109	Deep-Red-Emitting Electrochemical Cells Based on Heteroleptic Bis-chelated Ruthenium(II) Complexes. Inorganic Chemistry, 2009, 48, 3907-3909.	4.0	61
110	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. Inorganic Chemistry, 2015, 54, 5907-5914.	4.0	61
111	Peripheral halo-functionalization in [Cu(N^N)(P^P)]⁺emitters: influence on the performances of light-emitting electrochemical cells. Dalton Transactions, 2016, 45, 15180-15192.	3.3	61
112	Fluorine-free blue-green emitters for light-emitting electrochemical cells. Journal of Materials Chemistry C, 2014, 2, 5793-5804.	5.5	60
113	Best practices for measuring emerging light-emitting diode technologies. Nature Photonics, 2019, 13, 818-821.	31.4	59
114	Photovoltaic devices employing vacuum-deposited perovskite layers. MRS Bulletin, 2015, 40, 660-666.	3.5	58
115	Mechanochemical synthesis of inorganic halide perovskites: evolution of phase-purity, morphology, and photoluminescence. Journal of Materials Chemistry C, 2019, 7, 11406-11410.	5.5	58
116	White Hybrid Organicâˆ’Inorganic Light-Emitting Diode Using ZnO as the Air-Stable Cathode. Chemistry of Materials, 2009, 21, 439-441.	6.7	56
117	Efficient Greenâ€Lightâ€Emitting Electrochemical Cells Based on Ionic Iridium Complexes with Sulfoneâ€Containing Cyclometalating Ligands. Chemistry - A European Journal, 2013, 19, 8597-8609.	3.3	56
118	Phosphorescent Hybrid Organicâ€“Inorganic Lightâ€Emitting Diodes. Advanced Materials, 2010, 22, 2198-2201.	21.0	55
119	Dynamic doping and degradation in sandwich-type light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2012, 14, 10886.	2.8	55
120	Tuning the photophysical properties of cationic iridium(<scp>iii</scp>) complexes containing cyclometallated 1-(2,4-difluorophenyl)-1H-pyrazole through functionalized 2,2â€²-bipyridineligands: blue but not blue enough. Dalton Transactions, 2013, 42, 1073-1087.	3.3	54
121	Deep-blue thermally activated delayed fluorescence (TADF) emitters for light-emitting electrochemical cells (LEECs). Journal of Materials Chemistry C, 2017, 5, 1699-1705.	5.5	54
122	Vacuum deposited perovskite solar cells employing dopant-free triazatruxene as the hole transport material. Solar Energy Materials and Solar Cells, 2017, 163, 237-241.	6.2	54
123	Control of charge trapping in a photorefractive polymer. Applied Physics Letters, 1995, 66, 1038-1040.	3.3	53
124	[Cu(P^P)(N^N)][PF₆] compounds with bis(phosphane) and 6-alkoxy, 6-alkylthio, 6-phenyloxy and 6-phenylthio-substituted 2,2â€²-bipyridine ligands for light-emitting electrochemical cells. Journal of Materials Chemistry C, 2018, 6, 8460-8471.	5.5	53
125	Red-light-emitting electrochemical cell using a polypyridyl iridium(iii) polymer. Dalton Transactions, 2009, , 9787.	3.3	52
126	Dumbbellâ€Shaped Dinuclear Iridium Complexes and Their Application to Lightâ€Emitting Electrochemical Cells. Chemistry - A European Journal, 2010, 16, 9855-9863.	3.3	51

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127	Degradation Mechanisms in Organic Lead Halide Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900902.	7.3	50
128	Efficient Vacuum-Deposited Perovskite Solar Cells with Stable Cubic FA_{1â€“<i>x</i>}MA_{<i>x</i>}PbI₃. ACS Energy Letters, 2020, 5, 3053-3061.	17.4	49
129	Fullerene imposed high open-circuit voltage in efficient perovskite based solar cells. Journal of Materials Chemistry A, 2016, 4, 3667-3672.	10.3	48
130	Trap-limited mobility in space-charge limited current in organic layers. Organic Electronics, 2009, 10, 305-312.	2.6	47
131	Low Current Density Driving Leads to Efficient, Bright and Stable Green Electroluminescence. Advanced Energy Materials, 2013, 3, 1338-1343.	19.5	47
132	Photoluminescence quantum yield exceeding 80% in low dimensional perovskite thin-films via passivation control. Chemical Communications, 2017, 53, 8707-8710.	4.1	47
133	Roomâ€Temperature Cubic Phase Crystallization and High Stability of Vacuumâ€Deposited Methylammonium Lead Triiodide Thin Films for Highâ€Efficiency Solar Cells. Advanced Materials, 2019, 31, e1902692.	21.0	47
134	Efficient electroluminescence from a perylenediimide fluorophore obtained from a simple solution processed OLED. Journal Physics D: Applied Physics, 2009, 42, 105106.	2.8	46
135	Luminescent osmium(<scp>ii</scp>) bi-1,2,3-triazol-4-yl complexes: photophysical characterisation and application in light-emitting electrochemical cells. Dalton Transactions, 2016, 45, 7748-7757.	3.3	45
136	Enhancing the photoluminescence quantum yields of blue-emitting cationic iridium(<scp>iii</scp>) complexes bearing bisphosphine ligands. Inorganic Chemistry Frontiers, 2016, 3, 218-235.	6.0	45
137	CF₃ Substitution of [Cu(P^P)(bpy)][PF₆] Complexes: Effects on Photophysical Properties and Lightâ€Emitting Electrochemical Cell Performance. ChemPlusChem, 2018, 83, 217-229.	2.8	45
138	Chiral Iridium(III) Complexes in Light-Emitting Electrochemical Cells: Exploring the Impact of Stereochemistry on the Photophysical Properties and Device Performances. ACS Applied Materials & Interfaces, 2016, 8, 33907-33915.	8.0	44
139	Phosphane tuning in heteroleptic [Cu(N^N)(P^P)]⁺complexes for light-emitting electrochemical cells. Dalton Transactions, 2019, 48, 446-460.	3.3	44
140	Ionically Assisted Charge Injection in Hybrid Organicâˆ’Inorganic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2010, 2, 2694-2698.	8.0	43
141	Polymer solar cells based on diphenylmethanofullerenes with reduced sidechain length. Journal of Materials Chemistry, 2011, 21, 1382-1386.	6.7	43
142	Dynamically Doped White Light Emitting Tandem Devices. Advanced Materials, 2014, 26, 770-774.	21.0	43
143	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometallating Ligands. Inorganic Chemistry, 2016, 55, 10361-10376.	4.0	43
144	Molecular Passivation of MoO₃: Band Alignment and Protection of Charge Transport Layers in Vacuum-Deposited Perovskite Solar Cells. Chemistry of Materials, 2019, 31, 6945-6949.	6.7	43

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145	Low-dimensional non-toxic A₃Bi₂X₉ compounds synthesized by a dry mechanochemical route with tunable visible photoluminescence at room temperature. Journal of Materials Chemistry C, 2019, 7, 6236-6240.	5.5	43
146	Deposition Kinetics and Compositional Control of Vacuum-Processed CH₃NH₃PbI₃ Perovskite. Journal of Physical Chemistry Letters, 2020, 11, 6852-6859.	4.6	43
147	Sputtered transparent electrodes for optoelectronic devices: Induced damage and mitigation strategies. Matter, 2021, 4, 3549-3584.	10.0	43
148	Ionic Iridium Complex and Conjugated Polymer Used To Solution-Process a Bilayer White Light-Emitting Diode. ACS Applied Materials & Interfaces, 2013, 5, 630-634.	8.0	42
149	Capacitance-voltage characteristics of organic light-emitting diodes varying the cathode metal: Implications for interfacial states. Physical Review B, 2007, 75, .	3.2	41
150	Chloride ion impact on materials for light-emitting electrochemical cells. Dalton Transactions, 2014, 43, 1961-1964.	3.3	41
151	Red emitting [Ir(C^N)₂(N^N)]⁺ complexes employing bidentate 2,2â€²:6â€²,2â€²â€²-terpyridine ligands for light-emitting electrochemical cells. Dalton Transactions, 2014, 43, 4653-4667.	3.3	40
152	A Deep-Red-Emitting Perylenediimideâˆ'Iridium-Complex Dyad: Following the Photophysical Deactivation Pathways. Journal of Physical Chemistry C, 2009, 113, 19292-19297.	3.1	39
153	A comparative study of Ir(<scp>iii</scp>) complexes with pyrazino[2,3-<i>f</i>][1,10]phenanthroline and pyrazino[2,3-<i>f</i>][4,7]phenanthroline ligands in light-emitting electrochemical cells (LECs). Dalton Transactions, 2015, 44, 14771-14781.	3.3	39
154	Blue-emitting cationic iridium(iii) complexes featuring pyridylpyrimidine ligands and their use in sky-blue electroluminescent devices. Journal of Materials Chemistry C, 2017, 5, 9638-9650.	5.5	39
155	Can we use <i>time-resolved</i> measurements to get <i>steady-state</i> transport data for halide perovskites?. Journal of Applied Physics, 2018, 124, .	2.5	39
156	Influence of hole transport material ionization energy on the performance of perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 523-527.	5.5	39
157	An inconvenient influence of iridium(iii) isomer on OLED efficiency. Dalton Transactions, 2010, 39, 8914.	3.3	38
158	Bright and stable light-emitting electrochemical cells based on an intramolecularly Ï€-stacked, 2-naphthyl-substituted iridium complex. Journal of Materials Chemistry C, 2014, 2, 7047-7055.	5.5	38
159	Solution processable high band gap hosts based on carbazole functionalized cyclic phosphazene cores for application in organic lightâ€emitting diodes. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 531-539.	2.1	37
160	Efficient, Cyanine Dye Based Bilayer Solar Cells. Advanced Energy Materials, 2013, 3, 472-477.	19.5	37
161	Anionic Cyclometalated Iridium(III) Complexes with a Bis-Tetrazolate Ancillary Ligand for Light-Emitting Electrochemical Cells. Inorganic Chemistry, 2017, 56, 10584-10595.	4.0	36
162	Molecular Iodine for a General Synthesis of Binary and Ternary Inorganic and Hybrid Organicâ€"Inorganic Iodide Nanocrystals. Chemistry of Materials, 2018, 30, 6915-6921.	6.7	36

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