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	Simple approach for an electron extraction layer in an all-vacuum processed n-i-p perovskite solar cell. Energy Advances, 2022, 1, 252-257.	3.3	1
2	Wafer-scale pulsed laser deposition of ITO for solar cells: reduced damage <i>vs.</i> interfacial resistance. Materials Advances, 2022, 3, 3469-3478.	5.4	13
3	Quadruple-Cation Wide-Bandgap Perovskite Solar Cells with Enhanced Thermal Stability Enabled by Vacuum Deposition. ACS Energy Letters, 2022, 7, 1355-1363.	17.4	24
4	Density of states within the bandgap of perovskite thin films studied using the moving grating technique. Journal of Chemical Physics, 2022, 156, 114201.	3.0	2
5	Intrinsic Organic Semiconductors as Hole Transport Layers in pâ€“iâ€“n Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	8
6	Semitransparent near-infrared Snâ€“Pb hybrid perovskite photodetectors. Journal of Materials Chemistry C, 2022, 10, 13878-13885.	5.5	12
7	Perovskite light-emitting diodes. Nature Electronics, 2022, 5, 203-216.	26.0	268
8	ITO Topâ€Electrodes via Industrialâ€Scale PLD for Efficient Bufferâ€Layerâ€Free Semitransparent Perovskite Solar Cells. Advanced Materials Technologies, 2022, 7, .	5.8	12
9	Dimensionality Controls Anion Intermixing in Electroluminescent Perovskite Heterojunctions. ACS Photonics, 2022, 9, 2483-2488.	6.6	3
10	Amplified Spontaneous Emission Threshold Dependence on Determination Method in Dye-Doped Polymer and Lead Halide Perovskite Waveguides. Molecules, 2022, 27, 4261.	3.8	8
11	Amplified spontaneous emission in thin films of quasi-2D BA₃MA₃Pb₅Br₁₆ lead halide perovskites. Nanoscale, 2021, 13, 8893-8900.	5.6	8
12	Assigning ionic properties in perovskite solar cells; a unifying transient simulation/experimental study. Sustainable Energy and Fuels, 2021, 5, 3578-3587.	4.9	6
13	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. Nature Photonics, 2021, 15, 148-155.	31.4	590
14	Crystal Reorientation and Amorphization Induced by Stressing Efficient and Stable Pâ€“Iâ€“N Vacuumâ€Processed MAPbI₃ Perovskite Solar Cells. Advanced Energy and Sustainability Research, 2021, 2, 2000065.	5.8	20
15	Phosphine Oxide Derivative as a Passivating Agent to Enhance the Performance of Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 1259-1268.	5.1	11
16	Efficient Wide-Bandgap Mixed-Cation and Mixed-Halide Perovskite Solar Cells by Vacuum Deposition. ACS Energy Letters, 2021, 6, 827-836.	17.4	81
17	Zero-Dimensional Hybrid Organicâ€“Inorganic Lead Halides and Their Post-Synthesis Reversible Transformation into Three-Dimensional Perovskites. Inorganic Chemistry, 2021, 60, 5212-5216.	4.0	17
18	Vacuum-Deposited Microcavity Perovskite Photovoltaic Devices. ACS Photonics, 2021, 8, 2067-2073.	6.6	6

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19	Wide-Bite-Angle Diphosphine Ligands in Thermally Activated Delayed Fluorescent Copper(I) Complexes: Impact on the Performance of Electroluminescence Applications. Inorganic Chemistry, 2021, 60, 10323-10339.	4.0	28
20	Stable Lightâ€Emitting Electrochemical Cells Using Hyperbranched Polymer Electrolyte. Advanced Functional Materials, 2021, 31, 2104249.	14.9	11
21	Advances in solution-processed near-infrared light-emitting diodes. Nature Photonics, 2021, 15, 656-669.	31.4	136
22	Pulsed Laser Deposition of Cs₂AgBiBr₆: from Mechanochemically Synthesized Powders to Dry, Single-Step Deposition. Chemistry of Materials, 2021, 33, 7417-7422.	6.7	29
23	Reduced Recombination Losses in Evaporated Perovskite Solar Cells by Postfabrication Treatment. Solar Rrl, 2021, 5, 2100400.	5.8	5
24	Tuning the Optical Absorption of Sn-, Ge-, and Zn-Substituted Cs₂AgBiBr₆ Double Perovskites: Structural and Electronic Effects. Chemistry of Materials, 2021, 33, 8028-8035.	6.7	18
25	Low Temperature, Vacuumâ€Processed Bismuth Triiodide Solar Cells with Organic Smallâ€Molecule Hole Transport Bilayer. Energy Technology, 2021, 9, 2100661.	3.8	2
26	A counterion study of a series of [Cu(P^P)(N^N)][A] compounds with bis(phosphane) and 6-methyl and 6,6â€²-dimethyl-substituted 2,2â€²-bipyridine ligands for light-emitting electrochemical cells. Dalton Transactions, 2021, 50, 17920-17934.	3.3	17
27	Sputtered transparent electrodes for optoelectronic devices: Induced damage and mitigation strategies. Matter, 2021, 4, 3549-3584.	10.0	43
28	Use of Hydrogen Molybdenum Bronze in Vacuumâ€Deposited Perovskite Solar Cells. Energy Technology, 2020, 8, 1900734.	3.8	4
29	FAPb 0.5 Sn 0.5 I 3 : A Narrow Bandgap Perovskite Synthesized through Evaporation Methods for Solar Cell Applications. Solar Rrl, 2020, 4, 1900283.	5.8	24
30	Mechanochemical Synthesis of Sn(II) and Sn(IV) Iodide Perovskites and Study of Their Structural, Chemical, Thermal, Optical, and Electrical Properties. Energy Technology, 2020, 8, 1900788.	3.8	34
31	Making by Grinding: Mechanochemistry Boosts the Development of Halide Perovskites and Other Multinary Metal Halides. Advanced Energy Materials, 2020, 10, 1902499.	19.5	76
32	Preparation and Characterization of Mixed Halide MAPbI_{3âˆ’<i>x</i>}Cl_{<i>x</i>} Perovskite Thin Films by Threeâ€Source Vacuum Deposition. Energy Technology, 2020, 8, 1900784.	3.8	12
33	Dipole reorientation and local density of optical states influence the emission of light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2020, 22, 92-96.	2.8	5
34	Highly Photoluminescent Blue Ionic Platinum-Based Emitters. Inorganic Chemistry, 2020, 59, 1145-1152.	4.0	27
35	Dry Mechanochemical Synthesis of Highly Luminescent, Blue and Green Hybrid Perovskite Solids. Advanced Optical Materials, 2020, 8, 1901494.	7.3	16
36	Vacuum-Deposited Multication Tinâ€“Lead Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 2755-2761.	5.1	16

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37	Deposition Kinetics and Compositional Control of Vacuum-Processed CH₃NH₃PbI₃ Perovskite. Journal of Physical Chemistry Letters, 2020, 11, 6852-6859.	4.6	43
38	Enamine-based hole transporting materials for vacuum-deposited perovskite solar cells. Sustainable Energy and Fuels, 2020, 4, 5017-5023.	4.9	6
39	Hybrid Vapor-Solution Sequentially Deposited Mixed-Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 8257-8265.	5.1	21
40	Tunable luminescent lead bromide complexes. Journal of Materials Chemistry C, 2020, 8, 15996-16000.	5.5	6
41	Perovskite Solar Cells: Stable under Space Conditions. Solar Rrl, 2020, 4, 2000447.	5.8	14
42	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
43	Room-Temperature Vacuum Deposition of CsPbI₂Br Perovskite Films from Multiple Sources and Mixed Halide Precursors. Chemistry of Materials, 2020, 32, 8641-8652.	6.7	32
44	Potential and limitations of CsBi3I10 as a photovoltaic material. Journal of Materials Chemistry A, 2020, 8, 15670-15674.	10.3	21
45	Tunable Wideâ€Bandgap Monohalide Perovskites. Advanced Optical Materials, 2020, 8, 2000423.	7.3	6
46	The shiny side of copper: bringing copper(<scp>i</scp>) light-emitting electrochemical cells closer to application. RSC Advances, 2020, 10, 22631-22644.	3.6	18
47	External quantum efficiency measurements used to study the stability of differently deposited perovskite solar cells. Journal of Applied Physics, 2020, 127, .	2.5	15
48	Remote Modification of Bidentate Phosphane Ligands Controlling the Photonic Properties in Their Complexes: Enhanced Performance of [Cu(RNâ€xantphos)(N ^ N)][PF 6] in Lightâ€Emitting Electrochemical Cells. Advanced Optical Materials, 2020, 8, 1901689.	7.3	12
49	Radiative and non-radiative losses by voltage-dependent in-situ photoluminescence in perovskite solar cell current-voltage curves. Journal of Luminescence, 2020, 222, 117106.	3.1	10
50	High voltage vacuum-processed perovskite solar cells with organic semiconducting interlayers. RSC Advances, 2020, 10, 6640-6646.	3.6	13
51	Dual-source vacuum deposition of pure and mixed halide 2D perovskites: thin film characterization and processing guidelines. Journal of Materials Chemistry C, 2020, 8, 1902-1908.	5.5	15
52	Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. Joule, 2020, 4, 1035-1053.	24.0	257
53	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
54	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

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55	Short Photoluminescence Lifetimes in Vacuum-Deposited CH₃NH₃PbI₃ Perovskite Thin Films as a Result of Fast Diffusion of Photogenerated Charge Carriers. Journal of Physical Chemistry Letters, 2019, 10, 5167-5172.	4.6	24
56	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
57	Efficient, 23%, Solution-Processed Perovskite Tandem Cells. Joule, 2019, 3, 2069-2070.	24.0	4
58	Degradation Mechanisms in Organic Lead Halide Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900902.	7.3	50
59	Vacuum-Deposited 2D/3D Perovskite Heterojunctions. ACS Energy Letters, 2019, 4, 2893-2901.	17.4	77
60	Guideline for Optical Optimization of Planar Perovskite Solar Cells. Advanced Optical Materials, 2019, 7, 1900944.	7.3	24
61	Phosphane tuning in heteroleptic [Cu(N^N)(P^P)]⁺complexes for light-emitting electrochemical cells. Dalton Transactions, 2019, 48, 446-460.	3.3	44
62	Low-dimensional iodide perovskite nanocrystals enable efficient red emission. Nanoscale, 2019, 11, 12793-12797.	5.6	13
63	Red Light-Emitting Electrochemical Cells Employing Pyridazine-Bridged Cationic Diiridium Complexes. ECS Journal of Solid State Science and Technology, 2019, 8, R84-R87.	1.8	7
64	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
65	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
66	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
67	Unravelling steady-state bulk recombination dynamics in thick efficient vacuum-deposited perovskite solar cells by transient methods. Journal of Materials Chemistry A, 2019, 7, 14712-14722.	10.3	31
68	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
69	Large area perovskite light-emitting diodes by gas-assisted crystallization. Journal of Materials Chemistry C, 2019, 7, 3795-3801.	5.5	21
70	Ruthenium pentamethylcyclopentadienyl mesitylene dimer: a sublimable n-dopant and electron buffer layer for efficient nâ€"iâ€"p perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 25796-25801.	10.3	6
71	Best practices for measuring emerging light-emitting diode technologies. Nature Photonics, 2019, 13, 818-821.	31.4	59
72	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

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73	Effects of Masking on Open-Circuit Voltage and Fill Factor in Solar Cells. Joule, 2019, 3, 16-26.	24.0	64
74	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
75	Phosphomolybdic acid as an efficient hole injection material in perovskite optoelectronic devices. Dalton Transactions, 2019, 48, 30-34.	3.3	13
76	Efficient Vacuum Deposited P-I-N Perovskite Solar Cells by Front Contact Optimization. Frontiers in Chemistry, 2019, 7, 936.	3.6	16
77	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. ACS Omega, 2018, 3, 2673-2682.	3.5	6
78	Vacuum Deposited Tripleâ€Cation Mixedâ€Halide Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703506.	19.5	147
79	Coating Evaporated MAPI Thin Films with Organic Molecules: Improved Stability at High Temperature and Implementation in High-Efficiency Solar Cells. ACS Energy Letters, 2018, 3, 835-839.	17.4	30
80	Impact of the use of sterically congested Ir(<scp>iii</scp>) complexes on the performance of light-emitting electrochemical cells. Journal of Materials Chemistry C, 2018, 6, 6385-6397.	5.5	18
81	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
82	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
83	Fully Vacuum-Processed Wide Band Gap Mixed-Halide Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 214-219.	17.4	91
84	CF3 Substitution of [Cu(P^P)(bpy)][PF6] Complexes: Effectsâ€‰on Photophysical Properties and Light-Emitting Electrochemical Cell Performance. ChemPlusChem, 2018, 83, 143-143.	2.8	2
85	Hansen theory applied to the identification of nonhazardous solvents for hybrid perovskite thin-films processing. Polyhedron, 2018, 147, 9-14.	2.2	13
86	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
87	Solution processed organic light-emitting diodes using a triazatruxene crosslinkable hole transporting material. RSC Advances, 2018, 8, 35719-35723.	3.6	19
88	Incorporation of potassium halides in the mechanosynthesis of inorganic perovskites: feasibility and limitations of ion-replacement and trap passivation. RSC Advances, 2018, 8, 41548-41551.	3.6	21
89	Exploring the effect of the cyclometallating ligand in 2-(pyridine-2-yl)benzo[<i>d</i>]thiazole-containing iridium(<scp>iii</scp>) complexes for stable light-emitting electrochemical cells. Journal of Materials Chemistry C, 2018, 6, 12679-12688.	5.5	15
90	Tandems in the thick of it. Nature Energy, 2018, 3, 1027-1028.	39.5	0

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91	A new cross-linkable 9,10-diphenylanthracene derivative as a wide bandgap host for solution-processed organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 12948-12954.	5.5	20
92	High voltage vacuum-deposited CH₃NH₃PbI₃â€“CH₃NH₃PbI₃ tandem solar cells. Energy and Environmental Science, 2018, 11, 3292-3297.	30.8	98
93	Efficient Photo- and Electroluminescence by Trap States Passivation in Vacuum-Deposited Hybrid Perovskite Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 36187-36193.	8.0	23
94	Efficient Perovskite Light-Emitting Diodes: Effect of Composition, Morphology, and Transport Layers. ACS Applied Materials & Interfaces, 2018, 10, 41586-41591.	8.0	23
95	Single-Source Vacuum Deposition of Mechanosynthesized Inorganic Halide Perovskites. Chemistry of Materials, 2018, 30, 7423-7427.	6.7	67
96	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
97	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
98	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
99	Origin of the Enhanced Photoluminescence Quantum Yield in MAPbBr₃ Perovskite with Reduced Crystal Size. ACS Energy Letters, 2018, 3, 1458-1466.	17.4	106
100	Influence of doped charge transport layers on efficient perovskite solar cells. Sustainable Energy and Fuels, 2018, 2, 2429-2434.	4.9	16
101	[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
102	Perovskiteâ€“Perovskite Homojunctions via Compositional Doping. Journal of Physical Chemistry Letters, 2018, 9, 2770-2775.	4.6	77
103	Electrothermal Feedback and Absorption-Induced Open-Circuit-Voltage Turnover in Solar Cells. Physical Review Applied, 2018, 9, .	3.8	13
104	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
105	Removing Leakage and Surface Recombination in Planar Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 424-430.	17.4	117
106	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
107	Efficient wide band gap double cation â€“ double halide perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 3203-3207.	10.3	28
108	Improving Perovskite Solar Cells: Insights From a Validated Device Model. Advanced Energy Materials, 2017, 7, 1602432.	19.5	132

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109	Charge Noise in Organic Electrochemical Transistors. Physical Review Applied, 2017, 7, .	3.8	20
110	Highly Stable Red-Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2017, 139, 3237-3248.	13.7	95
111	Recombination in Perovskite Solar Cells: Significance of Grain Boundaries, Interface Traps, and Defect Ions. ACS Energy Letters, 2017, 2, 1214-1222.	17.4	826
112	Simple design to achieve red-to-near-infrared emissive cationic Ir(<scp>iii</scp>) emitters and their use in light emitting electrochemical cells. RSC Advances, 2017, 7, 31833-31837.	3.6	30
113	Delayed Luminescence in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 13381-13390.	3.1	148
114	Effect of the precursor's stoichiometry on the optoelectronic properties of methylammonium lead bromide perovskites. Journal of Luminescence, 2017, 189, 120-125.	3.1	10
115	Pyrene-fused bisphenazinothiadiazoles with red to NIR electroluminescence. Organic Chemistry Frontiers, 2017, 4, 876-881.	4.5	19
116	Efficient Monolithic Perovskite/Perovskite Tandem Solar Cells. Advanced Energy Materials, 2017, 7, 1602121.	19.5	255
117	Vapor-Deposited Perovskites: The Route to High-Performance Solar Cell Production?. Joule, 2017, 1, 431-442.	24.0	274
118	Preface to Special Issue of ChemSusChem on Perovskite Optoelectronics. ChemSusChem, 2017, 10, 3684-3686.	6.8	0
119	Preface to Special Issue of Energy Technology on Perovskite Optoelectronics. Energy Technology, 2017, 5, 1731-1733.	3.8	1
120	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
121	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
122	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
123	High Photoluminescence Quantum Yields in Organic Semiconductorâ€"Perovskite Composite Thin Films. ChemSusChem, 2017, 10, 3788-3793.	6.8	15
124	Photoluminescence quantum yield exceeding 80% in low dimensional perovskite thin-films via passivation control. Chemical Communications, 2017, 53, 8707-8710.	4.1	47
125	Bisâ€Sulfoneâ€• and Bisâ€Sulfoxideâ€Spirobifluorenes: Polar Acceptor Hosts with Tunable Solubilities for Blueâ€Phosphorescent Lightâ€Emitting Devices. European Journal of Organic Chemistry, 2016, 2016, 2037-2047.	2.4	10
126	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

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127	Quantification of spatial inhomogeneity in perovskite solar cells by hyperspectral luminescence imaging. Energy and Environmental Science, 2016, 9, 2286-2294.	30.8	102
128	Regioisomerism in cationic sulfonyl-substituted [Ir(C^N)₂(N^N)]⁺ complexes: its influence on photophysical properties and LEC performance. Dalton Transactions, 2016, 45, 11668-11681.	3.3	21
129	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
130	[Ir(C^N)₂(N^N)]⁺ emitters containing a naphthalene unit within a linker between the two cyclometallating ligands. Dalton Transactions, 2016, 45, 16379-16392.	3.3	7
131	Luminescence: The Never-Ending Story. Topics in Current Chemistry, 2016, 374, 44.	5.8	10
132	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
133	Efficient photoluminescent thin films consisting of anchored hybrid perovskite nanoparticles. Chemical Communications, 2016, 52, 11351-11354.	4.1	15
134	Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 5089-5097.	2.0	19
135	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
136	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
137	Advances in Perovskite Solar Cells. Advanced Science, 2016, 3, 1500324.	11.2	482
138	Perovskite Luminescent Materials. Topics in Current Chemistry, 2016, 374, 52.	5.8	20
139	Interface engineering in efficient vacuum deposited perovskite solar cells. Organic Electronics, 2016, 37, 396-401.	2.6	19
140	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
141	Evidence of band bending induced by hole trapping at MAPbI₃perovskite/metal interface. Journal of Materials Chemistry A, 2016, 4, 17529-17536.	10.3	26
142	Influence of mobile ions on the electroluminescence characteristics of methylammonium lead iodide perovskite diodes. Journal of Materials Chemistry A, 2016, 4, 18614-18620.	10.3	19
143	Lithium salt additives and the influence of their counterion on the performances of light-emitting electrochemical cells. Journal of Materials Chemistry C, 2016, 4, 10781-10785.	5.5	35
144	Fullerene imposed high open-circuit voltage in efficient perovskite based solar cells. Journal of Materials Chemistry A, 2016, 4, 3667-3672.	10.3	48

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145	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
146	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
147	Flexible light-emitting electrochemical cells with single-walled carbon nanotube anodes. Organic Electronics, 2016, 30, 36-39.	2.6	18
148	Efficient Light-Emitting Electrochemical Cells Using Small Molecular Weight, Ionic, Host-Guest Systems. ECS Journal of Solid State Science and Technology, 2016, 5, R3160-R3163.	1.8	27
149	Photovoltaic devices employing vacuum-deposited perovskite layers. MRS Bulletin, 2015, 40, 660-666.	3.5	58
150	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. Inorganic Chemistry, 2015, 54, 5907-5914.	4.0	61
151	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
152	Trapâ€Assisted Nonâ€Radiative Recombination in Organicâ€“Inorganic Perovskite Solar Cells. Advanced Materials, 2015, 27, 1837-1841.	21.0	684
153	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
154	Twisted hexaazatrianthrylene: synthesis, optoelectronic properties and near-infrared electroluminescent heterojunctions thereof. Journal of Materials Chemistry C, 2015, 3, 9170-9174.	5.5	17
155	Self-absorption in a light-emitting electrochemical cell based on an ionic transition metal complex. Applied Physics Letters, 2015, 106, 103502.	3.3	17
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